OWNER'S MANUAL

PROTON

INSPIRING CONNECTIONS

ALL-NEW

PROTON X50

INTELLIGENCE THAT AMAZES™

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 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.

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

This vehicle has complied with the requirements of Malaysian Communications and Multimedia Commission (MCMC).

The label shown is an approved certification mark for compliance with standards in accordance with the Communications and Multimedia (Technical Standards) Regulations 2000.



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www.proton.com (1-800-888-398)

Scan the QR Code at the back cover of this Manual to access the Proton Official website and all of the manuals related to this vehicle.

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Introduction to Owner Manual

Notes to Users

Instructions on Using the Manual

- All the information in Owner Manual (hereinafter referred to as 'this Manual') is the latest information as of the time of publication. The contents of this Manual is in accordance with the product information at the time of publication. In order to meet the needs of customers and meet the requirements of laws and regulations, the vehicle configuration and performance will continue to be optimized and improved. Your vehicle may be different from the descriptions in this Manual.
- The vehicle software version and settings may be upgraded and updated later. Before the upgrade, you will be informed to obtain your consent. The information displayed after the upgrade may be different from the descriptions in the User Manual delivered with the purchased vehicle. The actual situation shall prevail in terms of specific information.
- The Multimedia Manual is used to introduce the entertainment system of the vehicle. See the multimedia manual, which is available at the PROTON official website, for detailed operations of the entertainment system.

Important Tips

- Please check tyre wear and pressure regularly as per the methods recommended and tyre pressure requirements in this Manual.
- Always use the oils and fluids recommended in this Manual and perform maintenance as required in the the Warranty and Service Booklet.

Safety Precautions

- The vehicle is equipped with anti-lock braking system (ABS), therefore please press the brake pedal hard rather than make inching braking during emergency braking.
- This vehicle is equipped with airbags. For the safety of children, do not use the backward child restraint system (CRS) on a seat with frontal airbag protection (activated).
- It is necessary to use and place the foot mat with appropriate size properly. The foot mat shall not affect the normal use of each pedal, so as to avoid affecting the action of the pedal due to the sliding of the foot mat, thus causing traffic accidents.
- Do not park the vehicle for a long time without turning off the engine. Avoid breathing exhaust fume. Avoid pressing the accelerator pedal and keep the engine idling at high speed, which may be causing the vehicle to catch fire, affecting personal safety and damaging the property.

Accessories, Spare Parts and Modifications

- For your driving safety, do not disassemble or replace any vehicle parts or components on your own.
- Modification or installing other devices to the vehicle is strictly prohibited. PROTON shall not bear responsibility for any direct or indirect losses incurred from refitting or installing other devices.
- PROTON is only responsible for tested and certified original hardbound accessories and optional devices. PROTON original hardbound accessories are preferred in order to ensure the vehicle performance and safety as much as possible.

Safety Information

This Manual provides information on all variants of this model. The descriptions in this Manual may differ from the actual configuration of your vehicle. Your actual vehicle shall prevail.

Warning

Ignoring the warning may cause serious injury or death. The stated instructions or requirements must be strictly followed. ◀

Caution

Instructions and requirements stated in the caution must be strictly observed. Otherwise, your vehicle might be damaged. ◀

Description

Indicative descriptions for better understanding on some information about the use of this vehicle. ◀

Environmental Protection

It indicates that a statement made here is related to environmental protection. ◀

Asterisk

An asterisk " * " symbol appearing after the title or name indicates that the configuration or function described is only available in certain models and not necessarily in this vehicle.

Graphics



Indicates a descriptive object.



Indicates the movement direction of an object.



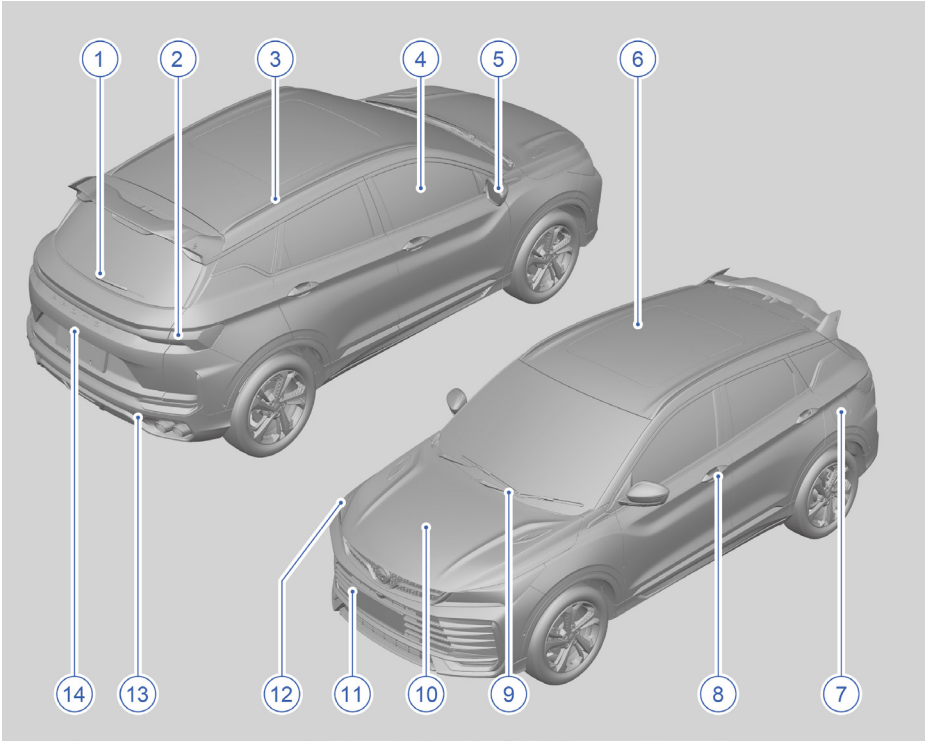
Indicates the rotation direction of an object.



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

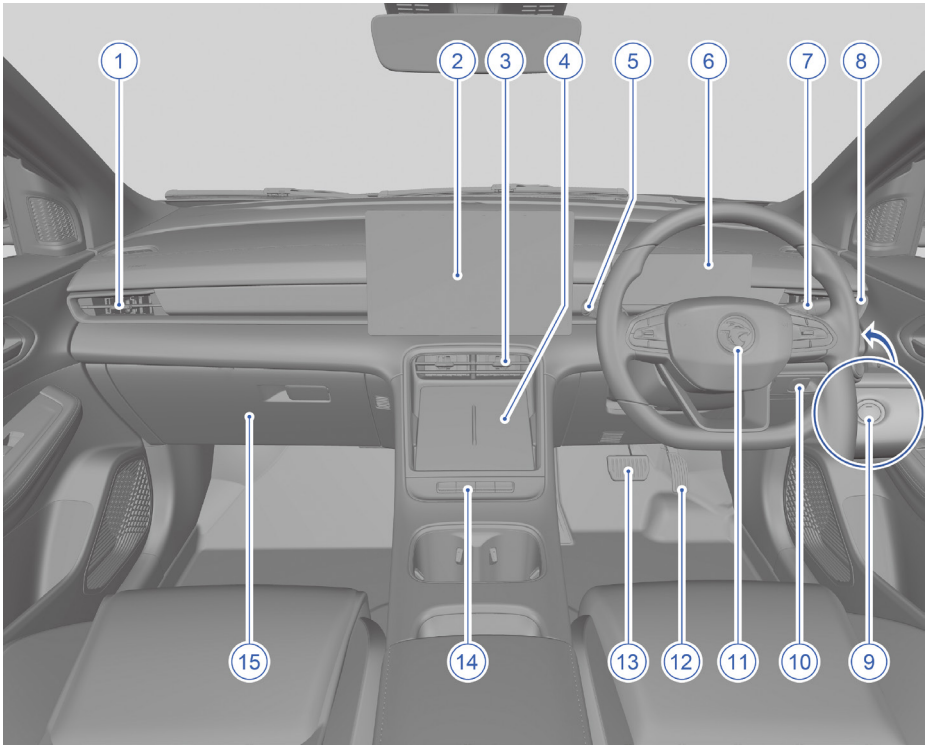
Vehicle Identification

Overview of Exterior



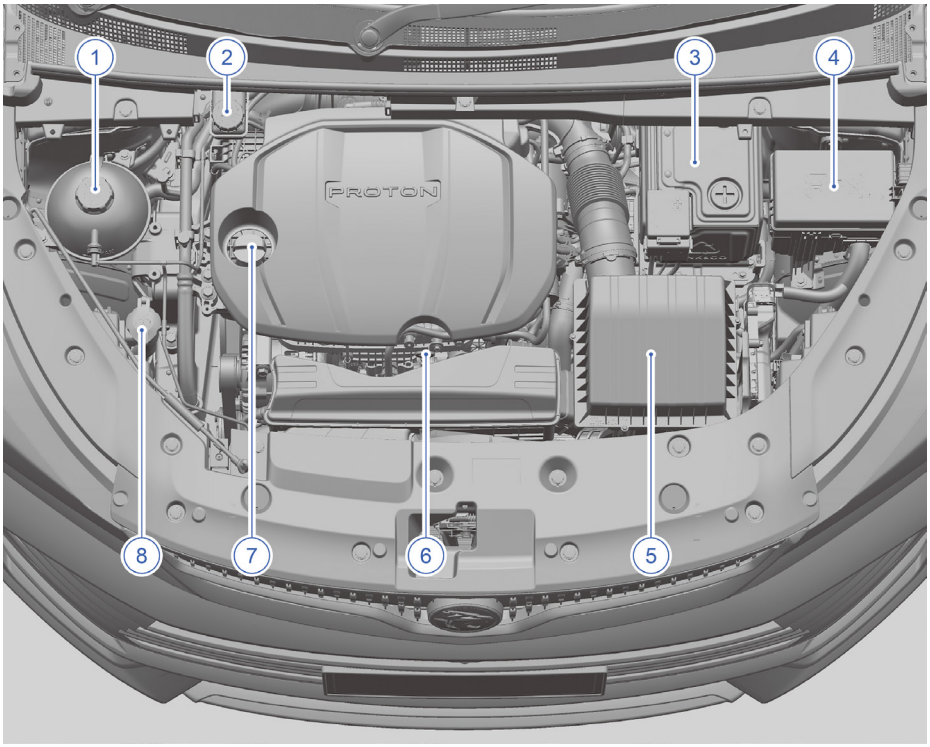
1. Rear wiper
2. Rear combination lamp
3. Roof rail*
4. Window
5. Exterior rearview mirror (door mirror)
6. Sunroof*
7. Fuel filler lid
8. Exterior door handle
9. Front wiper
10. Front hood
11. Front towing hook cover plate
12. Front combination lamp
13. Rear towing hook cover plate
14. Tailgate (Trunk door)

Overview of Interior



1. Left air vent (air outlet)
2. Multimedia display screen
3. Centre air vent (air outlet)
4. Wireless charging pad*
5. Light and wiper combination lever
6. Meter instrument display screen
7. Automatic column shifter (Gear shift lever)
8. Right air vent (air outlet)
9. Ignition switch (Push start button)
10. Electric parking brake (EPB)
11. Steering wheel
12. Accelerator pedal
13. Brake pedal
14. A/C control panel on front centre console
15. Glove box

Overview of Engine Compartment



1. Coolant expansion tank
2. Brake fluid reservoir
3. Battery
4. Exterior fuse box (in engine compartment)
5. Air filter
6. Engine oil level gauge (engine oil dipstick)
7. Engine oil filler cap
8. Washer fluid reservoir

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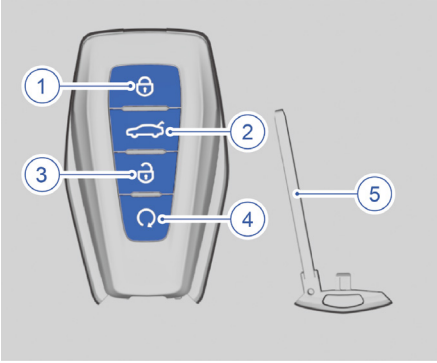
Key and Anti-theft

Intelligent Key

Introduction of 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 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 service outlet can reactivate it.

A newly replaced intelligent key cannot be provided immediately. It takes some time for a PROTON service outlet to match a new intelligent key with the vehicle. ◀



1 - Locking button

2 - Tailgate unlocking button

3 - Unlocking button

4 - Remote start/vehicle search button

5 - Mechanical Key

- When the vehicle location cannot be confirmed or it is in the anti-theft condition, quickly press the remote start/vehicle search button on the intelligent key twice to activate the vehicle search function, the turn signal flashes, and the horn beeps.
- When the intelligent key is within the effective range, briefly press the locking button on the intelligent key, then press and hold the remote start/vehicle search button within 2 seconds to start the vehicle.
- When the vehicle is in remote start mode and the intelligent key is within the effective range of the vehicle, press and hold the remote start/vehicle search button will turn off the engine. ◀

Please keep the spare intelligent key in a safe place and do not place it inside your vehicle.

Electronic disturbance of built-in anti-theft chip will cause the intelligent key and the anti-theft system to work abnormally and hard to start the vehicle. ◀

Taking Out the Mechanical Key

Press the release button on the back of the intelligent key and pull out the mechanical key.

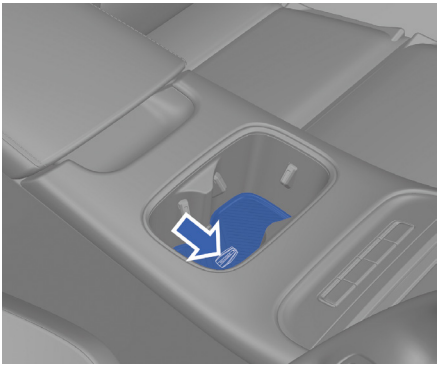


If the intelligent key is interfered by other signals, the vehicle may not able to detect the intelligent key, cannot be started, cannot be unlocked and cannot locked, etc.

- It is covered by metal shields, for example, intelligent keys and mobile phones with metal cover are placed together;
- Placing the intelligent key beside the standby power supply or within the range of interference when external devices and equipment are operated by the standby power supply.
- Put the intelligent key beside or together with electronic products with strong interference (such as laptops, Bluetooth headsets, power converter and charger, Bluetooth access cards, walkie talkies and other similar devices).
- After the anti-theft alarm is triggered by opening the door with the mechanical key, it is necessary to use the intelligent key to unlock the door. ◀

Please do not change the transmitting frequency or increase the transmitting power without authorization (including installing additional transmitting frequency amplifiers), and do not connect the external detection antenna or use other transmitting detection antennas without authorization. ◀

Engine Anti-theft System



The engine anti-theft system (immobiliser) does not need to be manually activated or released. When the ignition switch is pressed and a valid intelligent key is found in the vehicle, the engine anti-theft system will be automatically released.

If neither of the following two methods can start the engine, your vehicle needs repair. Contact an authorised PROTON service outlet for a new key.

- If the intelligent key does not appear to be damaged, try using another intelligent key.
- Place the intelligent key in the centre armrest box.

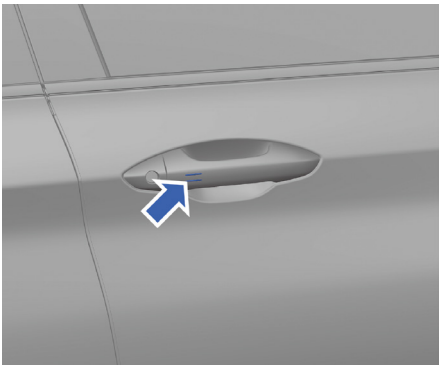
Do not leave the intelligent keys or devices that can disable the anti-theft system in the vehicle. ◀

Vehicle Locking and Unlocking

Keyless Entry System

Keyless Locking

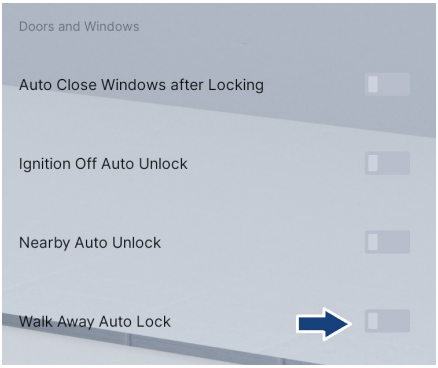
Type 1



Locking sensor area

When the ignition switch in the OFF position, close all four doors, hood and tailgate. Then place your hand on the locking sensor area of the driver side door handle to lock the vehicle. After successful locking, the turn signal remains illuminated for a period of time.

Type 2



Doors and windows interface

Select the following on the multimedia display in sequence:

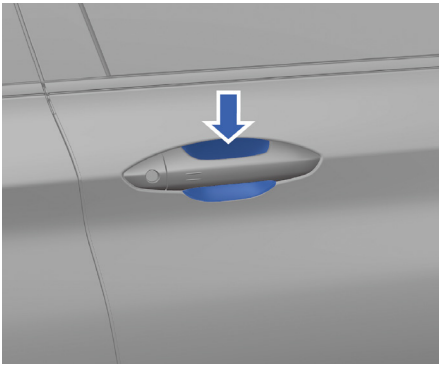
Vehicle Settings → Vehicle Control

Under ***Doors and Windows*** section, select to enable or disable the ***Walk Away Auto Lock*** function in this interface.

After this function is enabled (turn on), close all doors and walk away from the detection range of the valid intelligent key, the vehicle will be locked automatically without pressing the locking button on the intelligent key. After successful locking, the turn signal remains illuminated for a period of time.

Keyless Unlocking

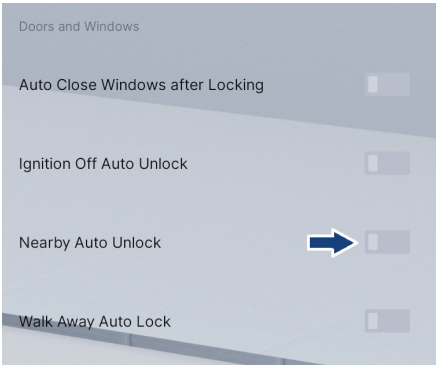
Type 1



Unlocking sensor area

Carry a valid intelligent key and approach the driver side door. Then put your hand directly into the unlocking sensor area on the door handle, the four doors will be unlocked automatically. Pull the door handle and the door will be opened. After all doors are unlocked, the turn signals flash 3 times.

Type 2



Doors and windows interface

Select the following on the multimedia display in sequence:

Vehicle Settings → Vehicle Control

Under ***Doors and Windows*** section, select to enable or disable the ***Nearby Auto Unlock*** function in this interface.

After this function is enabled (turn on), just bring the valid intelligent key into the vehicle search range, the vehicle will automatically unlock without pressing the unlocking button on the intelligent key. Pull the door handle, and the door will open. After all doors are unlocked, the turn signals flash 3 times.

Keyless locking will fail if the following occur:

- Ignition switch is not in OFF position.
- The intelligent key is left inside the vehicle.
- Any door ajar.

When touching the driver's side door handle sensor area to lock, if you neither hear the locking sound nor see the turn

signal, this indicates that the locking failed, which may be caused by:

- When the vehicle is locked, and the tailgate is opened and then closed, if the intelligent key which is used for locking is left inside the tailgate, the whole vehicle will not be locked. This is to prevent intelligent keys from being locked in the vehicle.
- To prevent mis-operation in keyless entry system, there will be interval of 3 seconds between operating with the locking/unlocking sensor area. The keyless unlocking function becomes unavailable within 3 second after locking and vice versa.
- There are blind spots in the intelligent key detection range. Please do not place the intelligent key in relatively distant locations, such as tailgate. ◀

When the intelligent key battery is drained, the vehicle can be inductively locked by sticking the key to the outside of the driver's side door handle. ◀



- The remote control or intelligent key only works within a certain distance. Please note that its working scope is sometimes affected by physical and geographic factors. For safety concern, it is necessary to check whether the operation succeeds when locking the vehicle.
- When the vehicle is in a charging pile, a large parking lot, a substation, and other places with signal interference, or when the intelligent key is put together with the interference equipment, the intelligent key may be interfered. Consequently, abnormal key functions, such as unlocking or locking abnormalities will be observed occasionally. If so, wait for 3 seconds before placing hand on the unlocking or locking sensor area at door handle. ◀

Remote Locking and Unlocking

Remote Locking

Press the locking button on the intelligent key to lock the four doors and the tailgate. Then the turn signal will turn on and remain for a period of time.

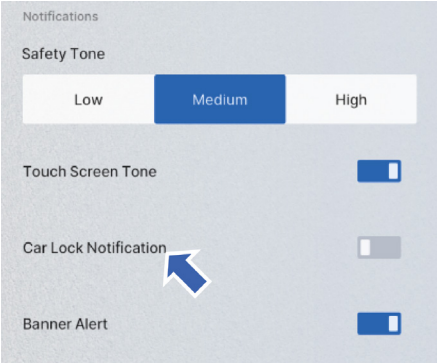
Remote Unlocking

Briefly press the unlocking button on the intelligent key to unlock the four doors, and the turn signal light flashes several times.

Briefly press the tailgate unlocking button on the intelligent key to unlock the tailgate. Press the exterior tailgate switch at tailgate door to open it.

Do not allow children to enter the tailgate. Ensure the tailgate is closed when vehicle is not attended. Once children are trapped in tailgate, they may not get out and might get suffocated or heatstroke. ◀

Car Lock Notification



Select the following on the multimedia display in sequence:

Vehicle Settings → Sound

Under ***Notifications*** section, select to enable or disable the ***Car Lock Notification*** function in this interface.

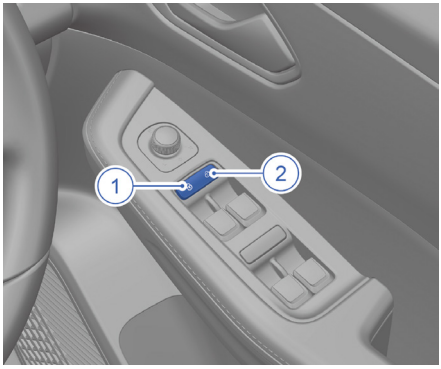
After this function is is activated, two beeps will be emitted by the horn if any of the four doors, hood, or tailgate is not properly closed during locking.

Conversely, a single beep will be emitted by the horn when four doors, hood, and tailgate are confirmed to be securely closed during locking.

Central Locking and Unlocking

All doors will be locked if central lock button is pressed when four doors are closed.

All doors will be unlocked if central unlock button is pressed when four doors are locked.



1 - Central unlock button
2 - Central lock button

The unlocking by using central lock control buttons inside the vehicle can only be executed in the condition that the anti-theft system is in disarmed state. Unlocking is unavailable in other states of anti-theft system. ◀

Automatic Locking and Unlocking

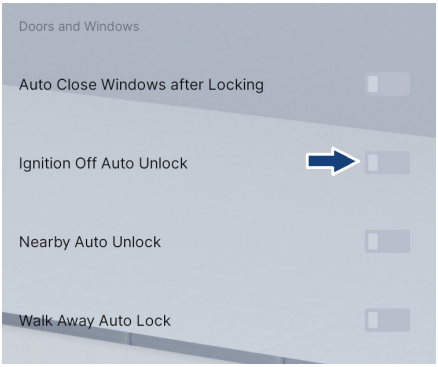
Automatic Re-locking

After the vehicle is unlocked, if none of the hood, four doors, or tailgate is opened within 30 seconds, the doors will automatically relock. The interior lamps turn off, and the anti-theft system is armed.

Automatic Locking during Driving

When the ignition switch is in ON position or the engine is started, the four doors will be locked automatically after the speed has been higher than a specific speed for a certain period.

Automatic unlocking



Doors and windows interface

Select the following on the multimedia display in sequence:

Vehicle Settings → Vehicle Control

Under ***Doors and Windows*** section, select to enable or disable the ***Ignition Off Auto Unlock*** function in this interface.

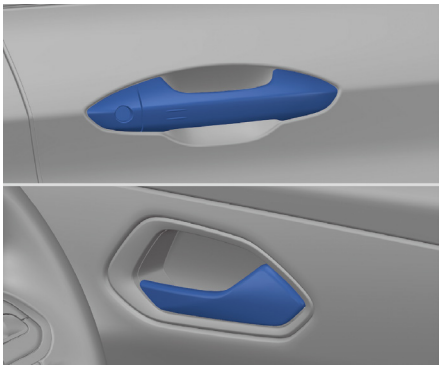
After this function is enabled (turn on), and the vehicle is automatically locked, the doors will unlock automatically if the vehicle stops and the engine is turned off.

Collision Unlocking

In case of severe frontal impact during travel, the four doors are unlocked automatically so that the occupants can leave the vehicle quickly.

Whether to automatically unlock depends on the specific impact force and accident type.

Door Handle



1 - Exterior door handle
2 - Interior door handle

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

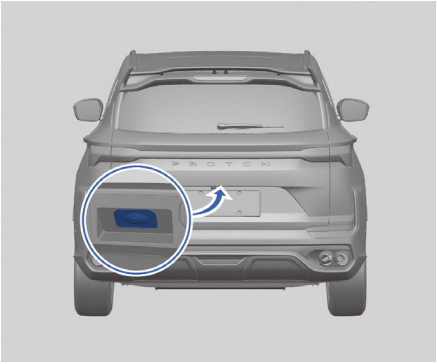
Opening and Closing the Tailgate

Opening the Tailgate

When manually opening or closing the tailgate, please avoid applying excessive force (slowly open or close). Failure to do so may result in damage or loss of function of the tailgate. ◀

Opening the Tailgate from Outside of the Vehicle

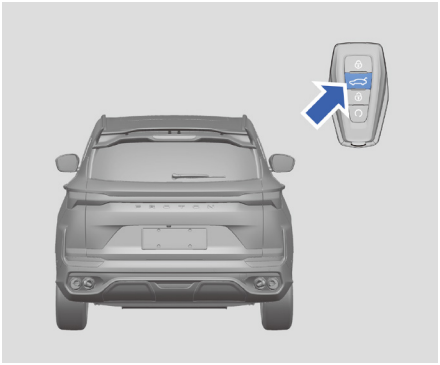
When the vehicle is stationary, the central door lock is in the unlocked position, and anti-theft alarm system is disarmed, press the exterior tailgate switch on the back of tailgate door and lift the tailgate door to open it.



Exterior tailgate switch

Similarly, if the intelligent key is near the tailgate and there is no signal interference, pressing the exterior tailgate switch while lifting the tailgate door will also open it.

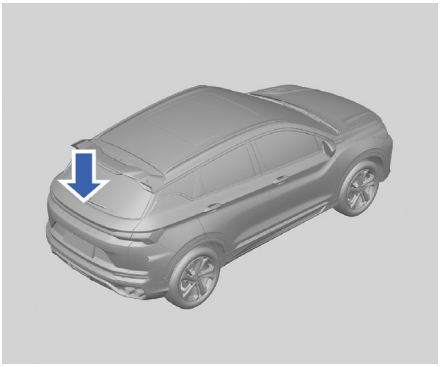
Unlocking the Tailgate with Intelligent key



With the engine off, briefly press the tailgate unlock button on the intelligent key to unlock the tailgate. Then, press the exterior tailgate switch and lift the tailgate door to open it.

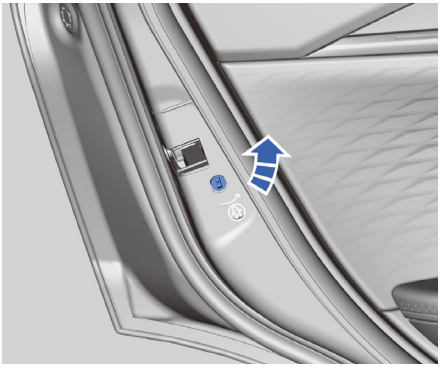
Closing the Tailgate

Closing the Tailgate outside the Vehicle - Manual Closing



When the vehicle is stationary and the tailgate is open, gently press down on the designated area shown in the figure until you hear a click, indicating the tailgate door is securely closed.

Child Safety Lock



The left and right rear doors are fitted with child safety locks. Please use child safety locks when the left or right sides of rear seat are occupied by children.

The child safety lock switch is located on the outer edge of left and right rear doors.

Turn the lock switch in the direction as shown in the picture to set the child safety lock in the lock position by using mechanical key.

With this, the door cannot be opened from inside but can only be opened from the outside of vehicle to protect child's safety.

After setting the child's safety lock, make sure to test whether door can be opened from inside to ensure child safety lock is normally functioning. ◀

Push Start Button

Ignition Switch



This vehicle is equipped with a push start button that is used as an ignition switch to start the engine. To run the system, the intelligent key must be located inside the vehicle and can be detected.

The ignition switch has the following positions:

OFF: When the ignition is in OFF position with the intelligent key in the vehicle and the gear is in Park (P) or Neutral (N) position, press and hold the brake pedal while briefly pressing the ignition switch will start the engine.

In case the brake pedal is not pressed and the ignition switch is pressed, the ignition switch will be set to ACC position.

ACC: When the ignition is in ACC position, some electrical appliances such as multimedia unit can be operated and the system is in standby mode.

While in ACC mode, with the intelligent key in the vehicle and the gear is in Park (P) or Neutral (N) position, press and hold

the brake pedal while briefly pressing the ignition switch will start the engine.

In case the brake pedal is not pressed and the ignition switch is pressed, the ignition will be set to ON position.

If the ignition stays in ACC or ON position after engine is shut down, the vehicle system will still consuming the power of the battery. If this condition prolong, the engine may be unable to be started. ◀

ON: In ON position, most electrical appliances such as meter instrument can be operated.

While in ON position, with the intelligent key in the vehicle and the gear is in Park (P) or Neutral (N) position, press and hold the brake pedal while briefly pressing the ignition switch will start the engine.

In case the brake pedal is not pressed and the ignition switch is pressed, the ignition will be set to OFF position.

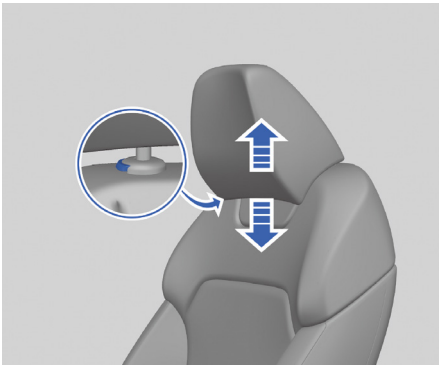
START: The engine will continue running in this position.

Press the ignition switch again to turn off the engine (enter the OFF position).

Seat

Front Seats

Front Seat Headrest Adjustment



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

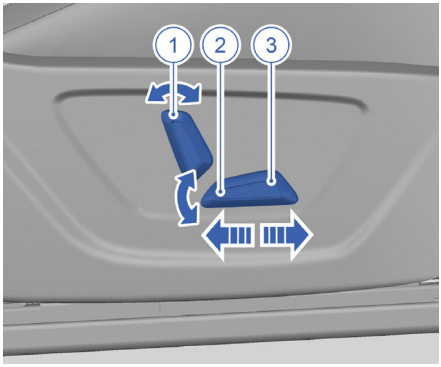
Before driving the vehicle, install and adjust the headrest correctly until its top is flush with the top of the passenger's head. By doing so, personal injury or death can be avoided in accidents. ◀

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. ◀

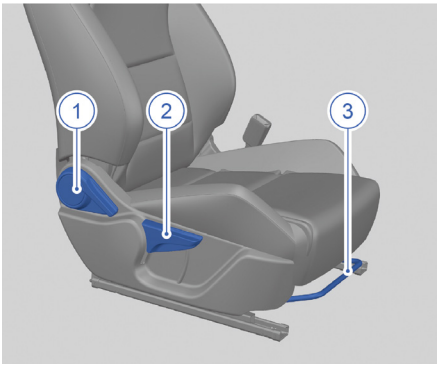
Electric Adjustment of Driver's Seat*

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

Manual Adjustment of Driver Seat*

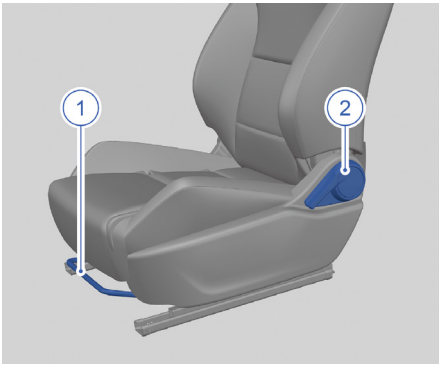


1. Seatback angle adjustment lever
   Lift the seatback angle adjusting handle to unlock the seatback. Gently press backward or slowly leave the seatback to rotate it backward or forward to the required position. Release the seatback angle adjustment handle to lock the seatback.

2. Seat height adjustment lever
   Lift the seat height adjustment handle 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.

Manual Adjustment of Front Passenger Seat

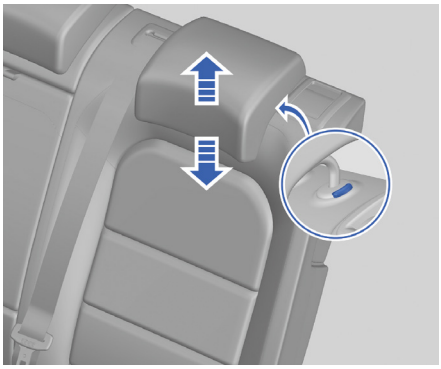


1. Seat forward and backward adjustment lever
   Pull and hold the middle of this adjustment lever upwards to unlock the seat position. Lean against the seat and slide the seat forward and backward to the required position. Release the adjustment lever until a clicking sound is heard from the seat rail and the seat is locked.

2. Seatback angle adjustment lever
   Lift and hold the seatback angle adjustment lever to unlock the seatback. While holding the lever, gently push back or slowly release the seatback to move it backward or forward to the required position. Release the seatback angle adjustment lever to lock the seatback.

Rear Seats

Rear seat headrest adjustment*



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

Press and hold the adjustment button when pushing in or pulling out the headrest. ◀

Rear Seatback Angle Adjustment

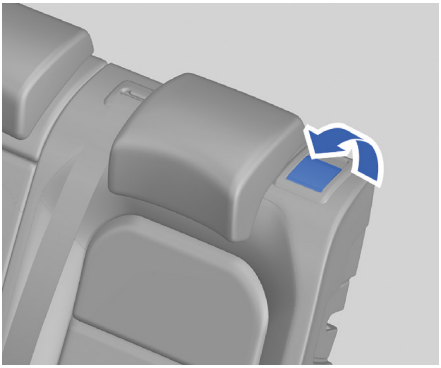
1. Press the unlocking buttons on both sides of the rear seatback and push the seatback backward to adjust the seatback to the 2nd notch position.
2. Adjust the seatback to the 1st notch position by pressing the button again and pulling the seatback forward.

Push the top part of the seatback forward and backward to ensure that the seatback is securely locked. Failure to do so will prevent the seat belts from operating properly. ◀

Folding Rear Seat Seatback

Rear seats consist of the left rear seat and the right rear seat, which features a 60/40 split folding function.

The trunk compartment can be enlarged for storing of large items.



1. Put the rear seat headrest to the lowest position.
2. Pull up the unlocking strap on the rear seat's seatback.
3. Fully fold the seatback on the corresponding side.

After the seat's seatback are folded, leave some space between the rear seat headrests and the front seats.

Unfolding Rear Seat Seatback

Flip back the seatback push the seatback backwards firmly to restore the rear seatback to its upright position until the rear seatback of the corresponding side locks. Failure to do so will prevent the seat belts from operating properly.

When the vehicle is driven, occupants are not allowed to sit on folded seats or in the trunk compartment. The seats should be properly used. When the seatback returns to the original position, the following precautions shall be considered to prevent injuries upon collisions or emergency braking:

- Push forward and backward the top part of the seatback to make sure the seatback is locked securely in its position. If not, the seat belt may not function normally.
- Make sure the seat belt is not twisted or stuck below the seat, but well positioned for use. ◀

The rear seatback folding function can only be used after the child seat and the mounting guide strap of the child seat have been removed. ◀

Meter Instrument

Overview of Meter Instrument



1. Speedometer

Displays the current vehicle speed per hour.

2. Clock

Displays the time; The time format can be set.

3. Information menu

Display the vehicle status, current mileage, subtotal mileage and tyre status.

Push TRIP button to change between the four display screens below:

- TRIP 1 (Cumulative Trip Information)

  Displays the total mileage, EDT (estimate driving time), AFC (average fuel consumption) and AVS (average vehicle speed).

  This information will not reset in the next ignition cycle. Select *Reset* icon at multimedia setting (Trip Computer interface) to reset the information.

  When the milage is greater than 9999.9km, the mileage value will be cleared and counted again.

- TRIP 2 (Current Trip Information)

  Displays the subtotal mileage, EDT, AFC and AVS for current ignition cycle.

  At multimedia setting (Trip Computer interface), user can select to reset the information either after refuel or after parking (engine off)

- Tyre Pressure

  Displays the real-time tyre pressure for each tyre in the vehicle except for spare tyre. The tyre pressure unit can be displayed in psi, kPa or Bar.

- Vehicle Status

  Displays current fuel consumption in L/100km and odometer.

4. Outside temperature

Displays the outside temperature. The temperature range is - 45 °C ~ 85 °C.

5. Driving mode

Displays the current selected driving mode: Comfort, Sport, ECO or Adaptive.

6. Gear display

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

7. Tachometer

Displays the speed of the engine per minute in the unit of 1000 r/min. The indication range of the tachometer is 0 r/min~8000 r/min.

8. Water temperature gauge

The water temperature gauge indicates the temperature of the engine coolant. The engine coolant temperature changes with the air temperature and engine loads.

The upper limit of the water temperature gauge is marked as H (hot), and the lower limit is marked as C (cold).

9. Distance to empty (DTE)

Displays the approximate distance this vehicle can be driven with the remaining fuel in the tank. If the low fuel level warning is on, please refuel as soon as possible.

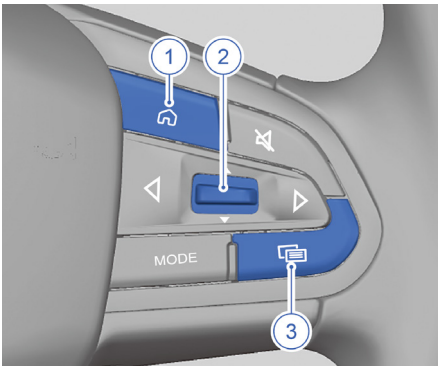
The brightness of meter instrument display can be set on the multimedia display. ◀

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 Screen Settings

Do not adjust the meter instrument screen while driving. ◀

Multi-control Function Buttons on Steering Wheel



1. Home button

Short press this button to return to the multimedia main interface.

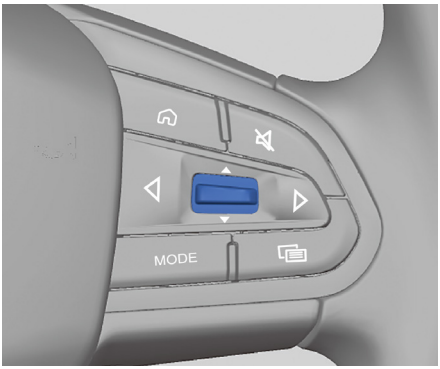
2. Selection and confirmation button

When the mode is switched to the meter instrument control, push this button up or down to select the previous option or the next option.

3. Mode switch button

Short press this button to open/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 such as subtotal mileage or current mileage interface, press and hold the selection and confirmation button to reset the information of the corresponding meter instrument interface with trip information.

Warning and Indicator Lights

Introduction of Warning and Indicator Lights

Icon	Name	Description	Color
	Left turn signal indicator	Left turn signal is on	Green
	Right turn signal indicator	Right turn signal is on	Green
	Low beam lamp indicator	Low beam lamp is on	Green
	Low beam lamp failure indicator	Low beam lamp has a failure	Yellow
	High beam lamp indicator	High beam lamp is on	Blue
	Rear fog lamp indicator	Rear fog lamp is on	Yellow
	Position lamp indicator	Position lamp is on	Green
	Anti-lock braking system (ABS) failure warning	ABS system has a failure	Yellow
	Brake system failure warning	EBD function fails, low brake fluid level or brake fluid level sensor fails	Red
	Auto Brake Hold (ABH) status indicator	AUTO HOLD function is enabled (turn on)	Green
	Electric Parking Brake (EPB) status indicator	Electric parking brake function is activated (indicator stay illuminate)	Red
		Electric parking brake function is not activated successfully (indicator is blinking)	
	Airbag failure warning lamp	The airbag system has failure	Red

Icon	Name	Description	Color
	Seat belt unfastened warning	Seat belt not fastened or has failure	Red
	Engine emission failure warning	Engine emission system has a failure	Yellow
	Engine system failure warning	Engine system has a failure	Red
	High water temperature warning	Temperature of engine coolant too high	Red
	Electronic stability control (ESC) system status indicator	ESC system is has a failure (indicator stay illuminate)	Yellow
		ESC system is activated (indicator is blinking)	
	Electronic stability control system – ESC OFF indicator	ESC system is off (ESC SPORT is activated)	Yellow
	Low fuel level warning	Fuel level in the fuel tank is too low	Yellow
	Low oil pressure warning	The engine oil pressure is too low	Red
	Battery charging failure warning	Battery charging has a failure	Red
	Transmission failure warning	Transmission has minor failure	Yellow
		Transmission has major failure	Red
	Autonomous emergency braking - AEB OFF indicator*	Autonomous emergency brake system is off	Yellow
	Autonomous emergency brake (AEB) failure warning*	Autonomous emergency brake system has a failure	Yellow

Icon	Name	Description	Color
	Lane keep assist (LKA) system status indicator*	Lane keep assist system is enabled	Green
		Lane keep assist system has failure	Red
	Hill Decent Control (HDC) status indicator	Hill decent control is enabled	Green
		Hill decent control has a failure	Red
	Tyre pressure monitoring system (TPMS) warning*	Tyre pressure monitoring system has a failure, tyre pressure is abnormal, or learning is not performed	Yellow
	Electric power steering (EPS) status indicator	Electric power steering system has a failure	Yellow
	Intelligent high beam (IHBC) indicator*	Intelligent high beam is on	White
		Intelligent high beam has a failure	Yellow
EBD	Electronic brake distribution (EBD) failure warning light	Electronic braking-force distribution system has a failure	Yellow
	Adaptive cruise control (ACC) status indicator*	ACC is enabled but not activated (standby mode)	White
		ACC is activated	Green
		ACC has a failure	Grey

Icon	Name	Description	Color
	Intelligent cruise control (ICC) system status indicator*	ICC is not activated (standby)	White
		ICC is activated but LKA has failure, only cruise control is available	Yellow, Green
		ICC is activated, and cruise control and LKA are carried out at the same time	Green
		ICC has a failure	Grey
	Cruise status indicator* (for Cruise Control system)	Cruise control system is on standby	White
		The vehicle has entered the cruise mode of Cruise control system	Green
	Blind spot detection status indicator*	Rear side mid-range radar (RSRS) is working	Green
		Rear side mid-range radar is temporarily has a failure (indicator stay illuminate)	Red
		Rear side mid-range radar calibration is not completed (indicator is blinking)	
	Set cruise speed indicator* (for ACC and ICC)	ACC / ICC enabled but not activated (in standby mode)	White
		ACC / ICC is activated and using Cruise speed	Green
		ACC / ICC has been deactivated or driver has temporarily taken over control by pressing accelerator pedal	Grey

Icon	Name	Description	Color
	Automatic speed limit control (LIM)* status indicator	LIM is enabled but not activated (in standby mode)	Grey
		LIM is activated	Green
		LIM is activated but the driver has temporarily taken over vehicle control	Yellow
	Warning information indicator	There may one or more failure alarm message/notification, and the corresponding text message appears on the meter instrument display	Yellow
	Low ambient temperature indicator	Exterior ambient temperature is below 2 °C	White
	Fatigue driving indicator*	Fatigue detection alarm	White

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.

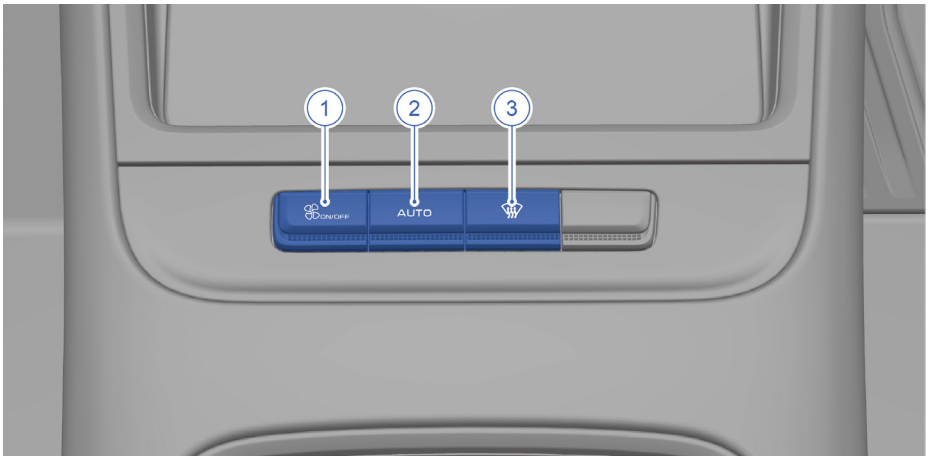
If there is any fault causing warning lamps stay illuminate on or suddenly lit on during driving, pay attention to it and contact an authorised PROTON service outlet for maintenance as soon as possible. Otherwise, severe casualty or property loss may occur. ◀

Black icons in the table are displayed as white in the instrument meter display screen. ◀

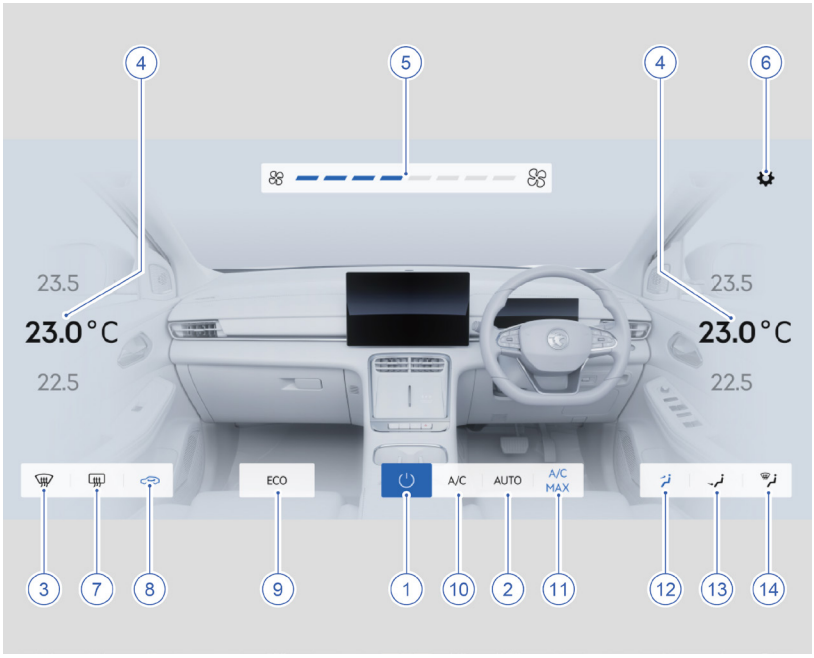
Air Conditioner (A/C)

Front A/C Control System

A/C Control Panel on Instrument Panel



A/C Control Panel in Multimedia Display Screen



Front A/C Control System Buttons

1- A/C blower ON/OFF button
2- AUTO button
3- Front defroster/defogger button
4- Temperature adjustment button
5- Blower speed adjustment button / A/C off button
6- A/C setting button
7- Rear defroster/defogger button
8- Air circulation switch button
9- ECO button
10- A/C button
11- A/C MAX button
12- Air outlet mode face blowing button
13- Air outlet mode foot blowing button
14- Air outlet mode window blowing button

In the A/C control panel on the multimedia display, the air outlet mode window blowing button, air outlet mode face blowing button and air outlet mode foot blowing button can be used separately or in combination as needed. ◀

Description of Front A/C Control System Buttons

1. A/C blower ON/OFF button
   Press this button to turn on or off the air conditioner via air blower.

2. AUTO button
   Press this button to turn on the automatic mode of the air conditioner. During automatic mode, the AUTO button indicator illuminates. The air conditioning system will automatically adjust the blower air volume, air outlet mode, and air intake methods to maintain optimal comfort.

The default setting for air conditioner when pressing AUTO button after starting the engine is automatic air conditioning with internal circulation air mode. ◀

Press the air circulation switch button to control the air circulation manually during air conditioner automatic mode. Turn off the air conditioner and then press AUTO button once again to return the air circulation control to automatic mode. ◀

3. Front defroster/defogger button (for front windshield)
   After the front windshield defroster/defogger is activated, the air blows to the windshield and the air circulation function is switched to the external circulation mode. After the A/C is turned on, the air blower speed can be adjusted in the defroster/defogger mode and the air continues blowing the windshield.

   When the defroster/defogger function is turned off, the air blower speed and the air circulation mode selection return to the previous mode.

4. Temperature adjustment button
   The temperature inside the vehicle can be adjusted by 0.5°C for each adjustment step.

Adjust upwards to increase the temperature and adjust downwards to decrease the temperature.

5. Blower speed adjustment button / A/C off button

Press this button to adjust the air blower speed of A/C system. There are 8 speed levels that can be adjusted.

Click the left side of this button to reduce the air blower speed and click the right side of this button to increase the air blower speed.

When the air conditioner is working, select and hold the left side of this button at multimedia display to turn off the air conditioner.

6. A/C setting button

Press this button to open the A/C setting interface.

In this interface, select to set the available functions such as self-drying A/C, active cabin cleaning, auto ventilation after parking, A/C pop-up window, A/C auto mode and A/C interface display duration.

7. Rear defroster/defogger button (for rear windshield)

After the vehicle is started, press this button to turn on the rear windshield defroster or defogger function.

When the rear windshield defroster or defogger function is enabled, the button indicator will illuminate in blue.

Press this button again to turn off the rear windshield defroster or defogger.

Do not use any scraper or sharp tool to clear frost or foreign material on the glasses of the front windshield and the rear windshield to avoid damage to both windshield glasses and the windshield heater grille. Keep any objects away from the windshield. Repair caused thereby is not covered by vehicle warranty. ◀

8. Air circulation switch button

Press this button to switch between external circulation (fresh air) and internal circulation (recirculation) air mode.

When the internal circulation mode is active, the button displays the internal circulation icon. Click the button again to switch to external circulation, and the external circulation icon is displayed.

The internal circulation mode helps to quickly cool down or heat up the air inside the vehicle and prevent outside air and unpleasant odor from entering the vehicle.

Prolonged use of the internal air circulation mode may lead to stale air inside the vehicle or cause windows to fog up. ◀

9. ECO button

Press this button to turn on / off the ECO mode which is an energy-saving mode in A/C system.

After turning it on, the comfort level of the A/C will be slightly reduced at the current set temperature.

10. A/C button

Press this button and the refrigeration function of the A/C compressor is turned on. Press again to turn it off.

If the air conditioning performance is lower than expected, check the surface of air conditioning condenser (located in front of the radiator) for dirt accumulation or probably insects and its remains. Go to an authorised PROTON service outlet for cleaning. ◀

Placing an obstruction in front of the hood will reduce the airflow into the condenser, thereby reducing the performance of air conditioner.◀

11. A/C MAX button

Press this button to quickly cool down the temperature inside the vehicle. The set temperature will reduce to the lowest temperature and the air blower speed will change to the maximum speed.

12. Air outlet mode face blowing button

Press this button to select the air outlet mode as face blowing mode.

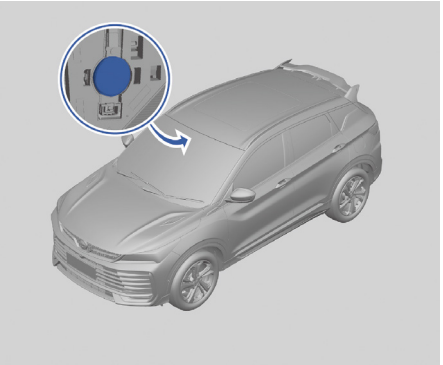
13. Air outlet mode foot blowing button

Press this button to select the air outlet mode as foot blowing mode.

14. Air outlet mode window blowing button

Press this button to select the air outlet mode as window blowing mode.

Rain and Light sensor

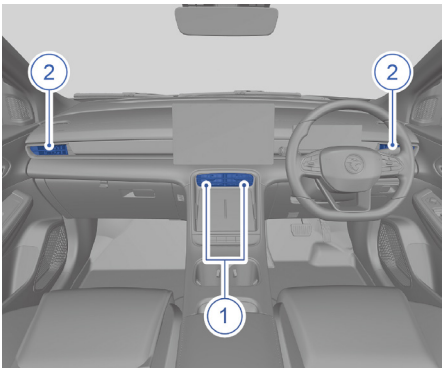


The rain and light sensor is used to control the temperature in the vehicle, automatic wiper wiping as well as on and off of automatic lighting.

Keep the sensor clean. Do not cover the sensor with foreign objects such as sticker on it. Otherwise, the temperature control system and automatic lights will not work properly. ◀

Adjustment of Air Outlets

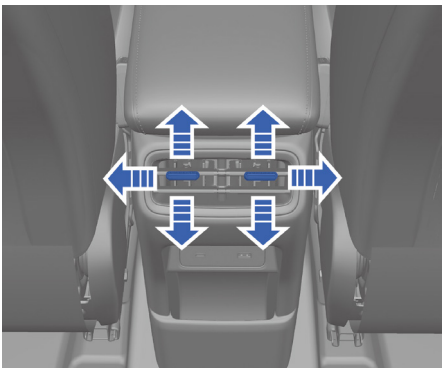
Front Air Vent



1. Centre air vent
2. Side air vent

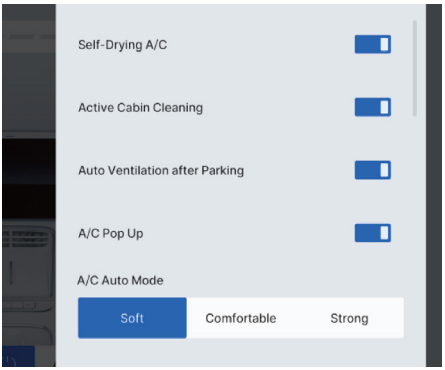
Do not hang anything on the air vent knob, otherwise the knob may be broken and deformed, making it unusable. ◀

Rear Air Vent



Adjust the air vent grille to change the air flow direction and adjust the blades to stop the air flow.

A/C Settings



Click the A/C setting button on the A/C control panel at multimedia display to open A/C setting interface.

In this interface, you can activate or disable the functions of A/C self drying, active cabin cleaning, auto ventilation after parking, A/C pop up, A/C auto mode and A/C interface display duration.

A/C Self-Drying Function

When the self-drying function of the air conditioner is turned on, after the vehicle is locked and the conditions are met, the air conditioner will automatically turn on the blower for drying. This is to avoid the unpleasant odour caused by the humidity and mildew of the evaporator.

Active Cabin Cleaning Function

When the active cabin cleaning function is turned on, after the vehicle is unlocked and before the doors are opened, once the conditions are met, the air conditioner will automatically turn on the blower to blow out the peculiar smell in the duct of the air conditioner system for automatic cleaning.

Auto Ventilation After Parking Function

This automatic ventilation function can ventilate the air inside the vehicle regularly when the vehicle is parked and powered off. This helps to maintain the air circulation of the vehicle.

A/C Pop Up

When enabled, a shortcut for A/C controls will be available in the DOCK bar.

AC Auto Mode

When the set temperature is not set to LO or HI, the AC auto mode function can be activated by selecting the one of the following level options: soft, comfortable or strong. The air blower speed of the air conditioner will change accordingly.

A/C Interface Duration

Set the duration (5s, 10s or 15s) after which the A/C interface automatically closes when inactive.

Lighting

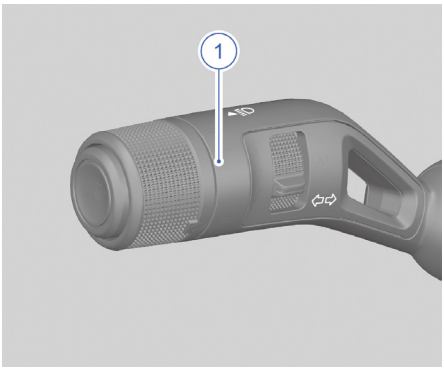
Light Combination Switch

Type 1



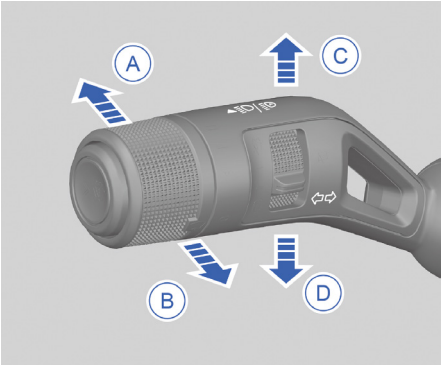
1- Light and wiper combination lever

Type 2



1- Light and wiper combination lever

Operations of Light Combination Switch



High Beam Lamp

While the low beam lamp is on, push the light and wiper combination lever to the endmost position in direction A to turn on the high beam lamp.

Pull the light and wiper combination lever in direction B to turn off the high beam lamp.

For vehicle equipped with IHBC, pull the light and wiper combination lever to the endmost position in direction B to turn off the high beam lamp.

Flashing the High Beam

Each time the light and wiper combination lever is pulled in direction B, the high beam lamps will flash. Once the this lever is release, the high beam lamps will automatically turn off. Repeat the operation to flash high beam lamps.

Position Lamp

Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

Under ***Exterior Lighting*** → **Headlamp** section, select to turn on or turn off the position lamp in this interface.



Low Beam Lamp



Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

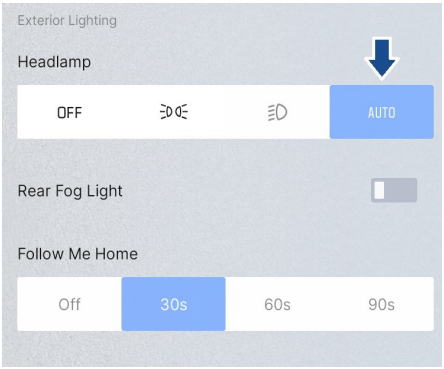
Under ***Exterior Lighting*** → **Headlamp** section, select to turn on or turn off the low beam lamp in this interface.

Headlamp Automatic Lighting

Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

Under ***Exterior Lighting*** → **Headlamp** section, select ***AUTO*** to turn on or turn off the automatic lighting function in this interface.



The automatic lighting function will automatically control the headlamp to turn on and off according to the intensity of external light, achieving automatic control of position lamp and low beam.

This system has manual-control-priority function in automatic work mode; the system will exit automatic lighting mode if there is light control signal input. ◀

Turn Signals Lamp

Move the light and wiper combination lever in direction C or D to the endmost position. The right or left turn signal lamp will flash. After complete making a turn, the light and wiper combination lever will automatically return to its park position and the turn signal lamp will be off.

Lane Changing Function

Briefly move the light and wiper combination lever in direction C or D and release it to let the light and wiper combination lever automatically return to its park position. The right or left turn signal lamp will automatically flash 3 times and then turn off.

Rear Fog Lamp

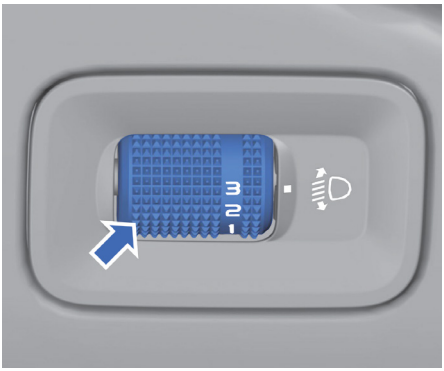


Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

Under ***Exterior Lighting*** section, select to turn on or turn off the rear fog light in this interface.

Headlamp Beam Height Adjustment



According to the number of occupants and

the load of the vehicle, turn the headlamp height adjustment switch up and down to adjust the headlamp beam height.
The knob has four positions: 0, 1, 2 and 3. Please set the position of the knob as per the load condition:

0: Only driver seat is occupied.

0 or 1: Only the driver seat and front passenger seat are occupied.

2: All seats are occupied.

3: Only the driver seat is occupied, and the luggage compartment is under full load (not exceeding the permissible load of the rear axle)

While adjusting the level of headlamp beam height, adjust the level to a level that will not dazzle or blinding the eyes of oncoming road user. ◀

Daytime Running Lights (DRL)

Daytime Running Light is On

After the vehicle is started and the low beam lamp is off, the daytime running light will turn on.

Daytime Running Light is Off

The daytime running light automatically turns off in case of the following situations:

- Vehicle is not started
- Low beam lamps are on

For the configuration where the daytime running light is integrated inside the headlamp, when a turn signal lamp is working, the daytime running light will temporarily turn off. ◀

Follow Me Home



Enabling Follow Me Home

Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

Under ***Exterior Lighting*** section, select any time setting to turn on the follow me home function in this interface.

At night, if the vehicle's anti-theft system is disarmed and the Follow Me Home function is enabled in the multimedia display, the function will automatically activate when the vehicle is powered off.

Disabling Follow Me Home

Select **Off** at the Follow Me Home interface on multimedia display to turn off this function.

Setting Follow Me Home Timer

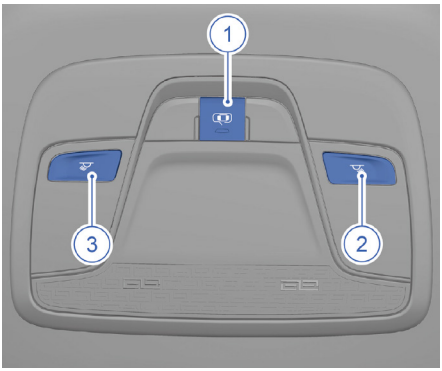
Set time between **30s, 60s** and **90s** at the Follow Me Home interface on multimedia display. Headlamp will remain on based on the set time.

During the activation of the function, if any door is opened, the timer will be reset.

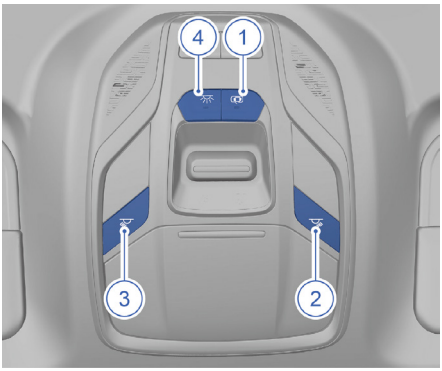
Interior Lighting

Front Interior Lamp

Type 1



Type 2



1- Interior light courtesy switch

2- Right front interior light switch

3- Left front interior light switch

4- Front interior light ON switch

Press the interior light courtesy switch to turn on the door-control function (interior lamp in courtesy state).

Press the right front interior light switch to turn on or turn off the right interior lamp.

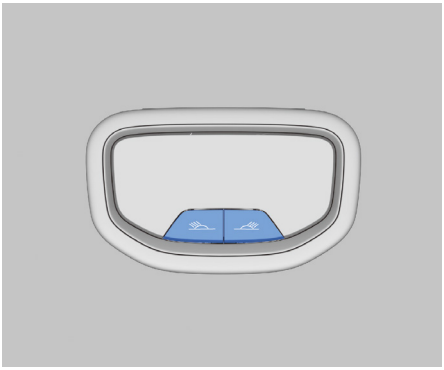
Press the left interior light switch to turn on or turn off the left interior lamp.

Press the front interior light ON switch to turn on all front interior lamps.

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

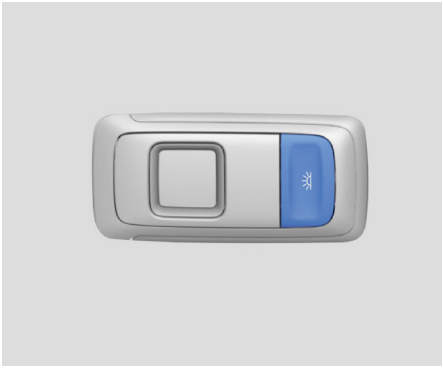
Rear Interior Lamp

Type 1



Press the rear centre light switch to turn on or turn off the rear centre lamp.

Type 2



Press the rear light switch on both sides to turn on or turn off the corresponding rear side lamps.

If the rear interior light switch is in ON position, please turn it off before leaving the vehicle to avoid the battery from draining. ◀

Interior Lamp Courtesy Function

The interior lamp courtesy function is a door-controlled function.

The interior lamp will automatically turn on or off according to the door status (open or close).

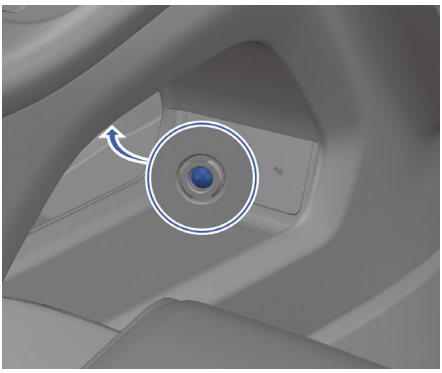
Turn ON

- When the four doors are closed, the interior lights fade in after the engine is turned off.
- When the four doors are closed, the interior lights fade in when an unlocking command is received after the engine is turned off.
- When any door is opened, the interior lights fade in.

Turn OFF

- When the four doors are closed, the interior lights fade out after starting the vehicle.
- When the four doors are closed, the interior lights fade out when the locking command is received after the engine is turned off.

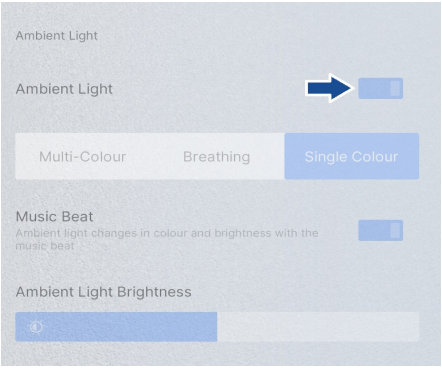
Sub Instrument Panel Light*



The sub instrument panel light is located above the front USB port on the sub instrument panel. When the door is opened, the sub instrument panel light automatically illuminates.

Ambient Light*

Ambient light setting



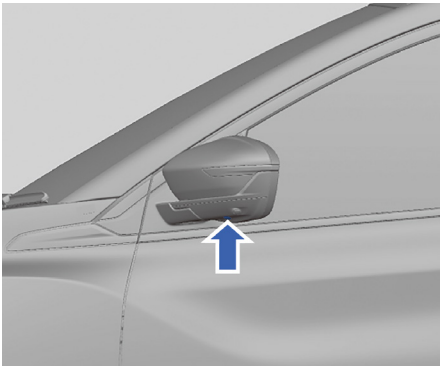
Select the following on the multimedia display in sequence:

Vehicle Settings → Lighting

Under ***Ambient Light*** section, select to turn on or turn off the ambient light and other settings such as colour selection in this interface.

Exterior Lighting

Exterior Rearview Mirror Ground Lights*

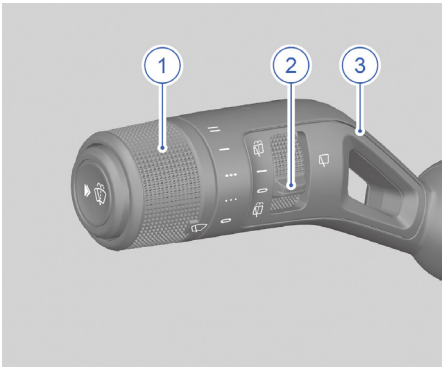


When the vehicle is unlocked, the exterior rearview mirror ground lights will turn on.

This lamp is located on door mirror and facing the ground.

Wiper

Wiper Combination Switch

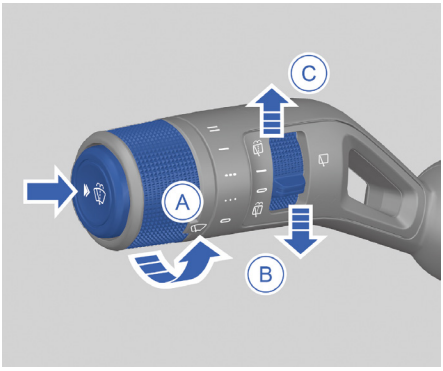


1- Front wiper control switch
2- Rear wiper control switch
3- Light and wiper combination lever

When the front windshield is dry, do not operate the wipers. Otherwise, the wipers may scratch the front windshield and this will affect service life of the wiper blades. ◀

If there is a dust or sandstone on the front windshield, only operate the wipers after cleaning the dirt first. Otherwise, the wipers will scratch the front windshield and affect service life of wiper blades. ◀

Operations of Wiper Control Combination Switch



Mist Wiping of Wipers

Press the washer button at the end of the light and wiper combination lever once, and the wiper will perform mist wiping operation once.

Turning off the Wiper

When the wiper control lever is at position, the wiper is off.

Intermittent Wiping

Rotate the front wiper control switch in direction A until the mark points to position or position. The wiper will wipe intermittently.

Automatic Wiping of Front Wipers

Rotate the front wiper control switch in direction A until the mark points to position or position, and the front wiper performs automatic wiping operation. At this time, the wiper control system automatically adjusts the wiping speed according to the amount of rain.

When the mark points to position, it indicates that the wiper system is less sensitive to sensing rain.

When the mark points to position, it indicates that the wiper system is highly sensitive to sensing rain.

Low-speed Wiping

Rotate the front wiper control switch in direction A until the mark points to Low Speed position. The wiper will wipe at low speed.

High-speed Wiping

Rotate the front wiper control switch in direction A until the mark points to High Speed position. The wiper will wipe at high speed.

Washing the Front Windshield

Press and hold the washer button at the end of the light and wiper combination lever, and the the wiper will wipe while the front windshield washer sprays water

After releasing the washer button the washer will stop spraying and once the cleaning is over, the wipers continue to wipe 3 cycles and perform one-cycle wiping after an interval of 5 seconds.

Wiping of Rear Wiper

Push the rear wiper control switch in direction C to point it to position, the rear wiper will wipe continuously

Push the rear wiper control switch in direction B to point it to position, the rear wiper will stop wiping.

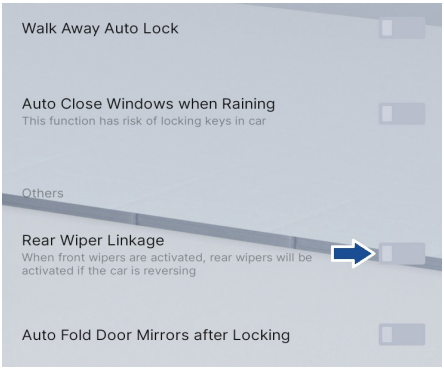
Washing the Rear Windshield

Push the rear wiper control switch in direction B or C to hold it at position,

and the the rear wiper will wipe while the rear windshield washer sprays water

After releasing the rear wiper control switch, the washer will stop spraying and once the cleaning is over, the wipers continue to wipe for several cycles and return to its park position.

Rear Wiper Link with Reverse Gear



Select the following on the multimedia display in sequence:

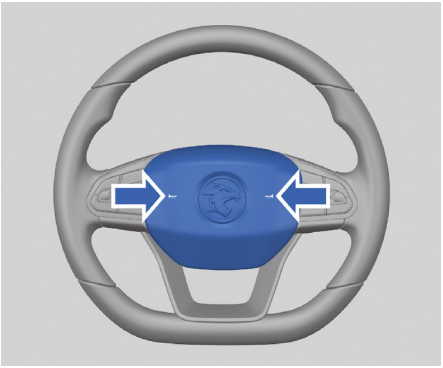
Vehicle Settings → Vehicle Control

Under ***Others*** section, select to turn on or turn off the ***Rear Wiper Linkage*** function in this interface.

After the function is turned on, when the front wiper is working (wiping at low speed or high speed), the rear wiper automatically switches to intermittent mode when the reverse gear is engaged.

Steering Wheel

Horn

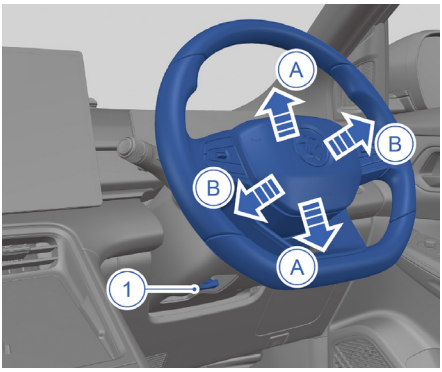


Press the horn pad area (as shown in the illustration) on the steering wheel to activate the horn sound.

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, please make sure the steering wheel is relocked properly. Otherwise, personal injury and property damage may be caused. ◀



1- Steering wheel locking lever

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

1. Adjust the driver's seat to a proper driving position.
2. Turn the steering wheel to a front straight-line driving position.
3. Fully release the steering wheel locking lever.
4. Use both hands to hold firmly the steering wheel and adjust back/forth (direction B), up/down (direction A) to the optimal position.
5. After adjusting the steering wheel to a proper position, fully fold the steering wheel locking lever to lock steering wheel in the new position.

Setting of Steering Wheel Turning Force

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



Select the following on the multimedia display in sequence:

Vehicle Settings → Driving

Select to turn on or turn off the ***Drive Mode Linkage*** function in this interface.

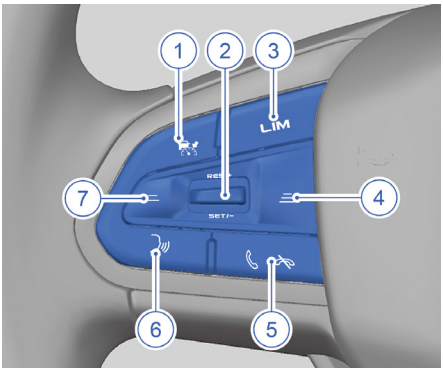
After the function is turned on, the steering force of the steering wheel will match the selected drive mode.

Turning off this function will provide driver the option of switching the EPS mode manually.

Steering Wheel Buttons

Left Control Buttons (Cruise Control Buttons)

Type 1



1. Cruise button
   Press the button briefly to turn on or off the intelligent or adaptive cruise control system (ICC/ACC).

2. Speed adjustment and setting button
   In cruise control mode, it is used for cruising speed adjustment.
   In vehicle speed limit mode, it is used for speed limit adjustment.
   - RES/+ (resume/accelerate)
     Push this button upward to restore the original cruising speed or increase the cruising speed.
   - SET/- (set/decelerate)
     Push this button downward to set the current vehicle speed as the cruising speed or reduce the cruising speed.

3. LIM button
   Press the button briefly to enable or disable the speed limit function.

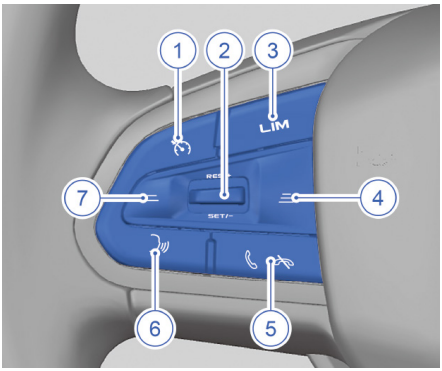
4. Headway increase button
   Press the button briefly to increase the following distance of the ICC or ACC system.

5. Call button
   Press the button briefly to answer or end a Bluetooth call. Press and hold this button to reject a call.

6. Voice button
   Press this button to activate voice recognition and press this button again to exit the voice recognition function.

7. Headway decrease button
   Press the button briefly to reduce the following distance of the ICC or ACC system.

Type 2



1. Cruise button
   Press the button briefly to on or off the cruise control system (CC).

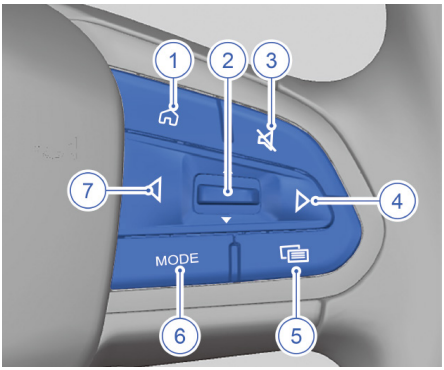
2. Speed adjustment and setting button
   In cruise control mode, it is used for cruising speed adjustment.

In vehicle speed limit mode, it is used for speed limit adjustment.

- RES/+ (resume/accelerate)
  Push this button upward to restore the original cruising speed or increase the cruising speed.
- SET/- (set/decelerate)
  Push this button downward to set the current vehicle speed as the cruising speed or reduce the cruising speed.

3. LIM button
   Press the button briefly to enable or disable the speed limit function.
4. Headway increase button
   Press the button briefly to increase the following distance of the ICC or ACC system.
5. Call button
   Press the button briefly to answer or end a Bluetooth call. Press and hold this button to reject a call.
6. Voice button
   Press this button to activate voice recognition and press this button again to exit the voice recognition function.
7. Headway decrease button
   Press the button briefly to reduce the following distance of the ICC or ACC system.

Right Control Buttons (Multi-control Function Buttons)



1. Home button
   Press the button briefly to return to the main multimedia interface (homepage).
2. Volume adjustment button
   Move this button up and down to adjust the sound volume.
3. Mute button
   Short press this button to switch to the mute mode. Press this button briefly again to exit the mute mode.
4. Right selection button
   Press this button to jump to the next valid radio station in the radio mode. Press this button to play the next file in the multimedia mode.
5. Mode switch button
   Short press this button to switch the control of the multi-function button on the steering wheel between the meter instrument control mode or multimedia unit control mode.

6. MODE button
   short press this button to switch the sound source.

7. Left button
   Short press this button to jump to the previous valid radio station in the radio mode and play the previous file in the multimedia mode.

Rearview Mirrors

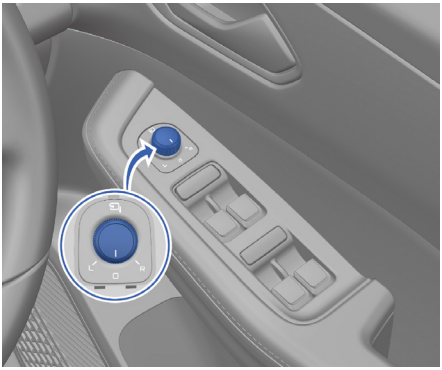
Door Mirror

Do not adjust the door mirrors while driving. Otherwise, personal injury and property damage may be caused. Make sure to unfold the door mirrors and adjust them properly before driving. ◀

When the door mirror is frozen, do not operate the adjustment switch of the door mirror or scrape the ice on the door mirror with a sharp tool. Instead, use the sprayer or deicer to remove the ice on the surface of door mirror.

Do not touch the door mirrors during adjustment in progress to avoid personal injury. ◀

Adjustment of Door Mirror



The door mirror adjustment switch is on the trim panel of the driver's side door.

1. When the ignition switch is in ACC or ON position, rotate door mirror adjustment switch and set the mark ▬ on the switch to L (left) or R (right) to select the left or right door mirror.
2. Move the door mirror adjustment

switch to adjust the angle of door mirror glass.

3. After adjustment, reset the door mirror adjustment switch to O position.

Folding of the Door Mirrors

Electric Folding of the Door Mirrors



When the ignition switch is in ACC or ON position:

1. Rotate the door mirror adjustment switch until the mark ▬ points to position. The door mirror will fold.

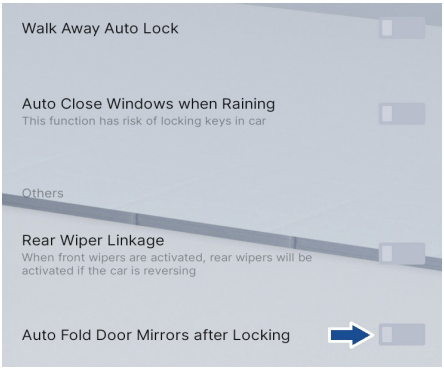
2. Rotate the door mirror adjustment switch until the mark ▬ points to other position to unfold the door mirror.

Excessively repeating the folding and unfolding of the door mirror at the same time may result in temporary failure of the electric folding function. ◀

Auto Unfolding Function of the Door Mirrors*

When the door mirrors are folded, if the vehicle speed is greater than or equal to 50 km/h, the door mirrors will automatically unfold.

Auto Fold Door Mirrors after Locking



Select the following on the multimedia display in sequence:

Vehicle Settings → Vehicle Control

Under ***Others*** section, select to turn on or turn off the ***Auto Fold Door Mirrors after Locking*** function in this interface.

After the function is turned on, when the door mirror adjustment switch is in the unfolded position and the door mirror is in the folded condition triggered by the locking action of the vehicle, the door mirror will automatically unfold when the vehicle is unlocked or when the engine is started.

When the door mirror adjustment switch is at the unfolded position and the door mirror is in the unfolded condition, the door mirror will automatically fold after the vehicle is locked.

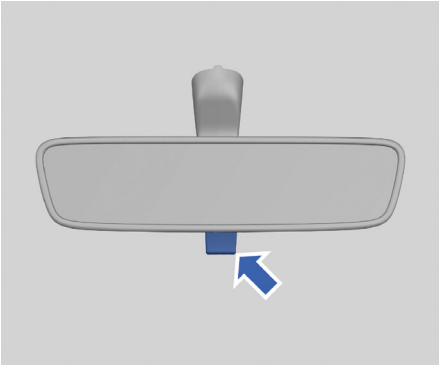
Interior Rearview Mirror

Adjustment of Interior Rearview Mirrors

Adjust the angle of the interior rearview mirror to the position you want by turning it.

Do not adjust the interior rearview mirror while driving. Otherwise, severe injury or property damage may caused. ◀

Manually Dimming the Interior Rearview Mirror

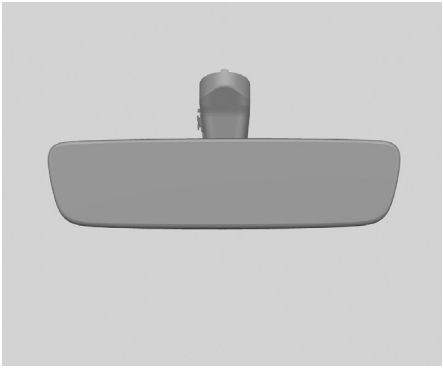


Push forward the bottom lever of the interior rearview mirror to change the angle view for dimming purpose.

Pull back the bottom lever of the interior rearview mirror to change the angle view to normal driving position.

Electric Dimming the Interior Rearview Mirror

After the engine is started, the interior rearview mirror senses the intensity of incident light through the light sensor to trigger the electric dimming function.



If the electric dimming function is switched on, the interior rearview mirror automatically dims according to incident light from the rear.

The electric dimming function is automatically switched off when the ignition switch is off or the shift lever is engaged in reverse gear.

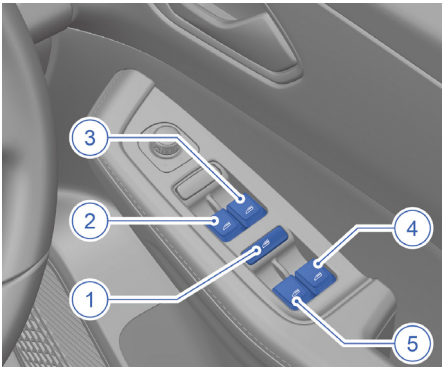
- The electric dimming function of interior rearview mirror works only when the incident light at interior rearview mirror is not affected by other objects.
- Do not paste stickers or install a DVR in front of the interior rearview mirror, so as not to affect its function. ◀

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

Window

Power Window

- Do not lock and leave children, incapacitated adults or pets in the vehicle with closed windows. A personal injury or fatal may cause due to the rising of high temperature and the inability to open the doors and windows.
- Do not attempt to test the anti-pinch function with your body parts. Otherwise, it may cause personal injury or fatal.
- The anti-pinch function may not work when the window is about to close completely ◀



1- Window lock switch

2- Left front window switch

3- Right front window switch

4- Right rear window switch

5- Left rear window switch

Manual Operation

Open: press down and hold the window switch to open the corresponding window.

Close: pull up and hold the window switch to close the corresponding window.

Automatic Operation*

Applicable to window that is fitted with automatic operation function only.

Press down or pull up completely the window switch and then release it to automatically open or close the window.

While the window is automatically opening or closing, if the window switch is pressed or pulled up again, the window will stop opening or closing.

Remote Opening and Closing the Windows*

When the ignition switch is in OFF, the trunk lid and all doors are closed:

- Press and hold the unlocking button on the intelligent key will open all door windows and sunroof glass (if fitted) at the same time.
- Press and hold the locking button on the intelligent key will close all door windows and sunroof glass (if fitted) at the same time.

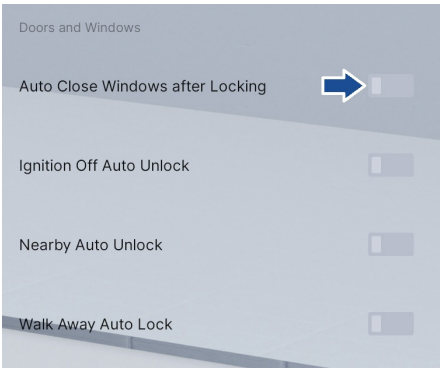
Window Lock Switch

Press the window lock switch to enable the window locking function. The window lock switch indicator will illuminate, The window switches at the front passenger's side door and the rear doors will be disabled.

At this time, the front passenger's side window and the rear windows can still be opened or closed only by using the driver's side window switches.

Press the window lock switch again. The window lock switch indicator will turn off indicating that the window lock function has been turned off.

Automatic Window Closing While Vehicle Locking



Select the following on the multimedia display in sequence:

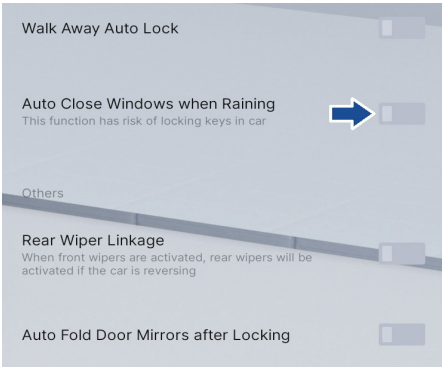
Vehicle Settings → Vehicle Control

Under ***Doors and Windows*** section, select to turn on or turn off the ***Auto Close Windows after Locking*** function in this interface.

After the function is turned on, with the ignition switch is in OFF position, all doors are closed and the tailgate are closed, press the lock button on the intelligent key.

If there is any door windows or sunroof glass (if fitted) is still open, it will be closed automatically.

Auto Close Windows when Raining



Select the following on the multimedia display in sequence:

Vehicle Settings → Vehicle Control

Under ***Doors and Windows*** section, select to turn on or turn off the ***Auto Close Windows when Raining*** function in this interface.

After the function is turned on, if it suddenly rains when the sunroof (if equipped) and power windows are open, the sunroof (if equipped) and power windows will automatically be closed through the rain sensor signal.

Thermal Protection

If the window control switch is being operated repeatedly in a short time, the power window control switch will be temporarily disabled due to the protection of the motor service life. Wait for a while to resume the power window operation.

If the waiting time for automatic recovery takes long time and you need to operate the power window

switches immediately, you can power off and restart the vehicle to operate the power window switches again. ◀

Anti-pinch Function*

During the automatic closing operation of the 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 condition.

If the window is severely impacted, this function may work even if no objects are caught. If the anti-pinch function of the power windows does not work properly, an adaptive learning of the power windows must be performed.

Power Window Adaptive Learning

If the vehicle's battery is disconnected or flat, replace with a new battery. Then, the power windows will need to re-learn the automatic operation and anti-pinch function.

Before starting the adaptive-learning porcess, make sure the vehicle's battery is fully charged and in good condition. ◀

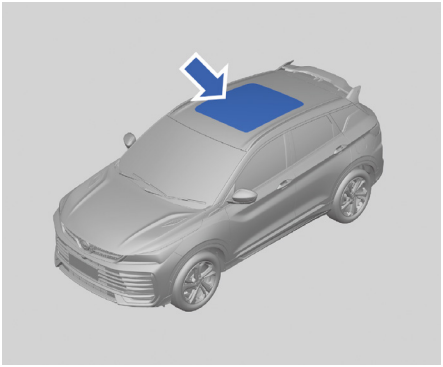
The power windows adaptive-learning steps are as follows:

1. Pull up and hold the window switch until the window glass has fully closed.
2. Pull up and hold the window switch again for more than 2 seconds before releasing it.
3. Press down and hold the window switch until the window glass has fully opened.
4. Press down and hold the window switch again for more than 2 seconds before releasing it.
5. Pull up the window switch until the window glass has fully closed.
6. Repeat step 1 to 5 on all other windows to complete the adaptive-learning.

If you release the window switch while the window is moving during the adaptive-learning process, you need to restart from step 1.

If the power window still does not work normally after the above operations, go to an authorised PROTON service outlet for troubleshooting. ◀

Sunroof*



Sunroof location



Sunroof switch

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

The following precautions must be observed to avoid severe injury:

- When the vehicle is running, do not let any passenger stand in between the opening of the sunroof.
- Do not put your head and other body parts in between the opening of the sunroof.
- Always ensure the intelligent key is not left inside the vehicle when leaving.
- Do not leave children unattended in the vehicle to avoid them from playing with the control switches thereby causing vehicle damage or even injury.
- Before closing the sunroof, confirm that the heads, hands, and body parts of all occupants are clear of the opening area.
- Do not sit around the opening of the sunroof. ◀

Guardian shall bear the responsibility for any accident if children get injured caused by improper use if the sunroof in the vehicle. ◀

- When there is frozen ice on the sunroof, do not open the sunroof to avoid damaging the sunroof parts due to overloading.
- If there is too many dust or foreign matter in the sunroof sealing strip and guide rail, clean up the dust and sundries. Otherwise, the sunroof may create abnormal noise when moving or work abnormally. ◀

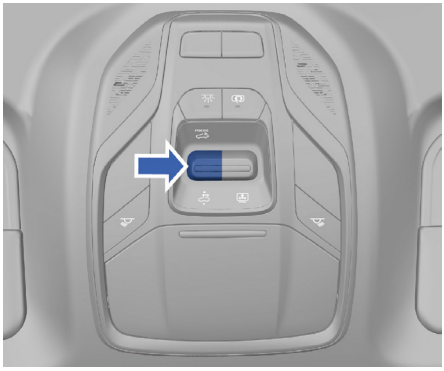
Sunroof Opening and Closing

When the ignition switch is ON :

- Briefly press the sunroof switch backward, the sunroof glass will automatically move to fully open position

- Press and hold the sunroof switch backward to slide the sunroof glass open. The glass will stop sliding when the switch is released.
- Briefly press the sunroof switch forward, the sunroof glass will automatically move to fully closed position.
- Press and hold the sunroof switch forward to slide the sunroof glass close. The glass will stop sliding when the switch is released.

Sunroof Tilt Opening and Closing



Sunroof switch with tilt operation

Briefly press the sunroof switch upward, the sunroof glass automatically moves to fully tilted position.

Press and hold the sunroof switch upward to tilt open the sunroof glass. The glass will stop sliding to tilt when the switch is released.

Sunroof Opening and Closing via Intelligent Key

Open the sunroof: Press and hold the unlocking button on the intelligent key to open both the sunroof and power windows simultaneously.

Close the sunroof: Press and hold the locking button on the intelligent key to close both the sunroof and power windows simultaneously.

During this automatic opening and closing process, press the unlocking/locking button on intelligent key again to stop the sunroof and power windows from opening/closing further.

Sunroof Auto Close

When the the **Auto Close Windows after Locking** function is enabled, a short press of the locking button on the intelligent key will simultaneously close the sunroof and power windows.

When the the **Auto Close Windows when Raining** function is enabled, if it suddenly rains with the sunroof and power windows open, the sunroof and power windows can be automatically closed through the rain sensor signal.

Anti-pinch Function

When the sunroof is running in an automatic operation mode, the sunroof motor will stop running and run in the reverse direction for a certain distance if the sunroof glass detects a barrier in the anti-pinch area to avoid damage.

Sunroof Adaptive Learning

If the vehicle's battery is disconnected or flat, replace with a new battery. Then, the sunroof will need to re-learn the automatic and anti-pinch function.

Before starting the adaptive-learning porcess, make sure the vehicle's battery is fully charged and in good condition. ◀

The sunroof adaptive-learning steps are as follows:

1. Operate to close both sunroof and sunshade to the fully close position.
2. Press and hold the sunroof switch forward again for around 6 seconds until both the sunroof and sunshade will begin to vibrate.
3. Releasing the sunroof switch.
4. Within 6 seconds after step 3, press and hold the sunroof switch forward.
5. After 4 seconds holding the switch, the sunroof and sunshade will automatically open and then close completely.

Keep holding the sunroof switch forward (closing) throughout this process. ◀

6. Release the sunroof switch to complete the adaptive learning.

If the sunroof still does not work normally after the above operations, go to an authorised PROTON service outlet for troubleshooting. ◀

Sunroof Sunshade



Sunshade switch

Sunroof Sunshade Opening

Briefly press the sunshade switch backwards, and the sunroof sunshade will automatically slide to fully open position.

Press and hold the sunshade switch backward, and the sunroof glass starts to slide open continuously until the switch is released.

Sunroof Sunshade Closing

Briefly press the sunshade switch forwards, and the sunroof sunshade will automatically slide to fully close position.

Press and hold the sunshade switch forward, and the sunroof glass starts to slide close continuously until the switch is released.

If the sunroof glass is not completely closed, the linkage function will be activated, causing the sliding sunshade (during closing) to stop at a linkage position retracted from the glass. The sunshade can only be fully closed when the sunroof glass is at fully close position.

During the sunshade's automatic (short press) opening or closing process, the sunshade will stop sliding if the sunroof sunshade switch is pressed again backward or forward.

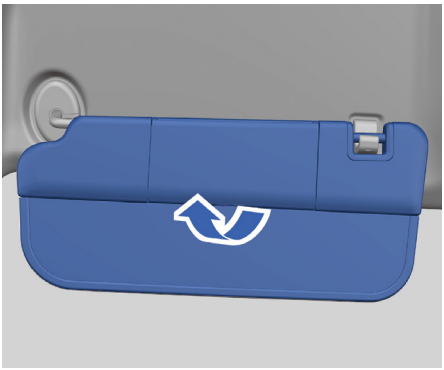
Avoid forcefully compressing the sunshade, as this may cause it to detach, resulting in abnormal noise and difficulty in operation.

- Additionally, when the sunroof is fully open, it may produce excessive wind noise.
- When parking the vehicle for a long time, it is recommended to close the sunroof sunshade. If possible, 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. ◀

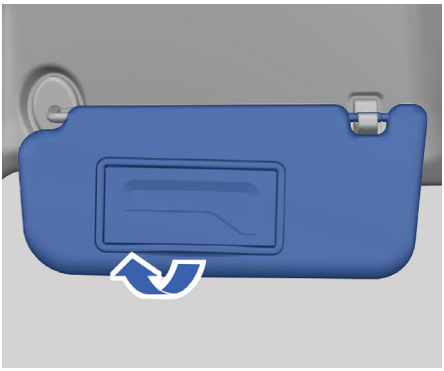
Sun Visor

Sun Visor and Vanity Mirror

Type 1



Type 2



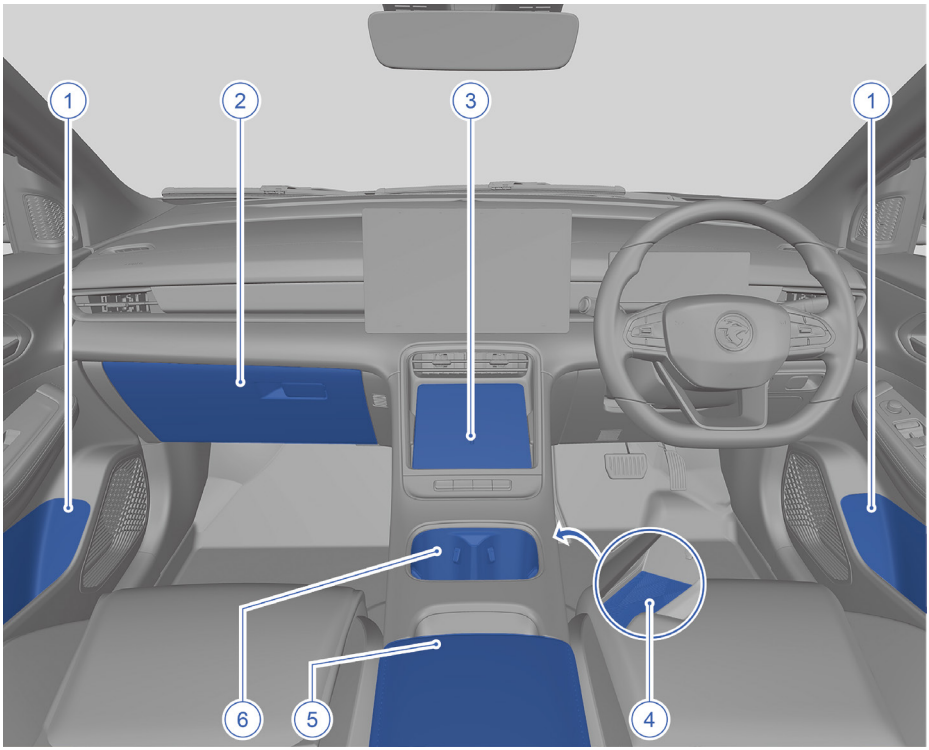
Turn down the sun visor or pull it out of the bracket and rotate it towards the door to prevent glare.

The vanity mirror is integrated with the sun visor. Flip up the mirror cover to use it.

The vanity mirror light (if equipped) activates upon opening the cover and deactivates when closed.

Storage Compartment

Front Storage Compartment



1- Door storage compartment

2- Glove box

3- Front centre compartment

4- Lower sub instrument panel storage compartment

5- Front center armrest storage compartment

6- Front cup holder

Front Center Armrest Storage Compartment



A storage compartment is located in the front center armrest. Pull up the front centre armrest cover to open and use the space.

Do not open the storage compartment under the center armrest while driving to avoid injury. ◀

Glove Box



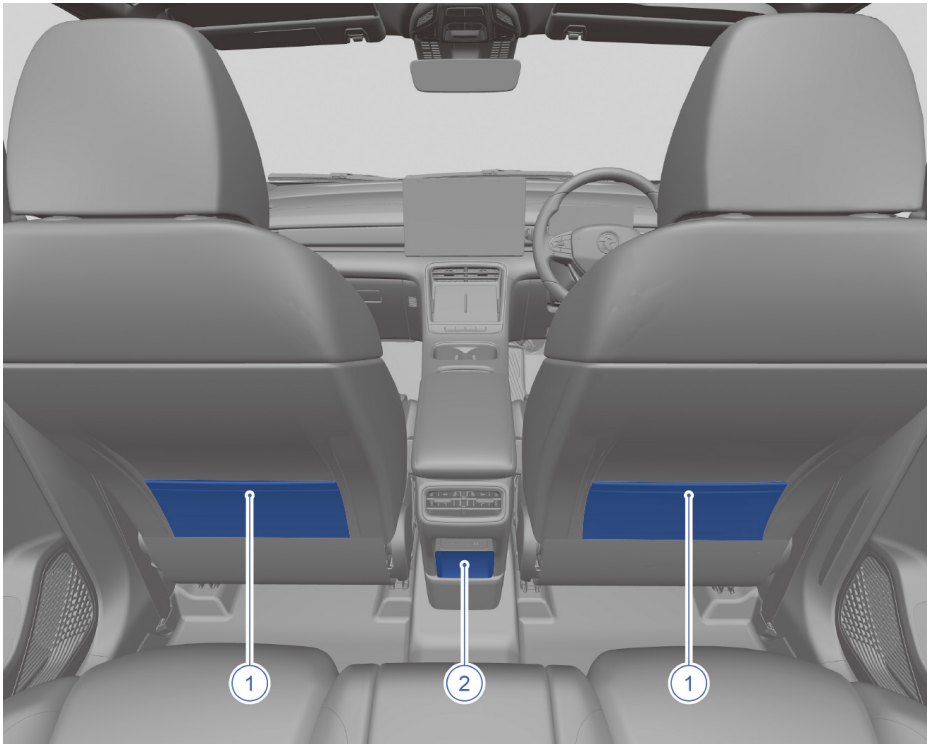
The glove box handle is located on the right side of the glove box. Pull it to open the glove box. Push forward the glove box cover to close it.

Sunglass Compartment



The sunglass holder or compartment is integrated with the front interior lamp. It can be used for storing sunglass that is used while driving.

Rear Storage Compartment



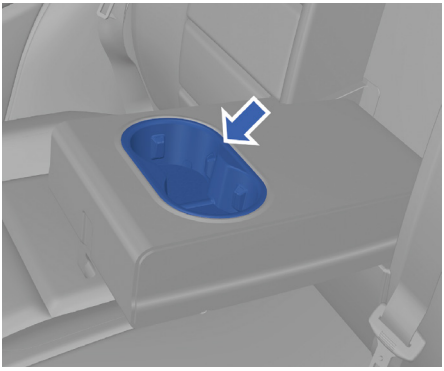
1- Seatback pocket

2- Rear storage compartment (at lower centre console)

The seatback pockets are located on the back of front seats and are used to store small light objects such as newspapers, maps, magazine etc.

Do not store heavy or sharp objects in the seatback pocket to avoid damage to the storage compartment. ◀

Rear Centre Armrest*



The rear center armrest which is fitted with cup holders is in the middle of the rear seat's seatback. Unfold it downward to open and use it.

Luggage Compartment



The luggage compartment lamp turns on automatically when the tailgate is opened.

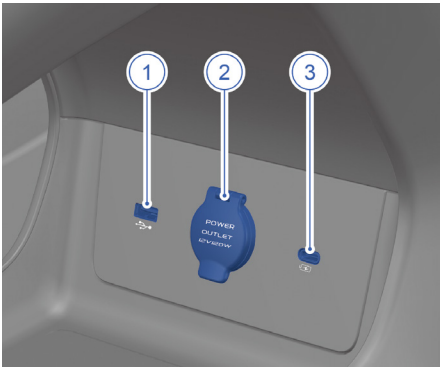
Do not put pets in the luggage compartment. ◀

- After loaded, if the weight of the load exceeds the loading capacity of the vehicle or the weight distribution of the vehicle becomes uneven, the driveability of the vehicle will be affected seriously and becomes less safe to drive. The loaded objects may move around in case of traffic accident or an emergency brake is applied. Try to put the loaded objects at the lower front position and as close as possible to the upright rear seatback.
- When loading a longer or larger load, the size of the load must not exceed the height of the seatback and the load compartment. Make sure to fasten the loads in the vehicle to ensure driving safety. ◀

Vehicle Power Supply

Wired Charging

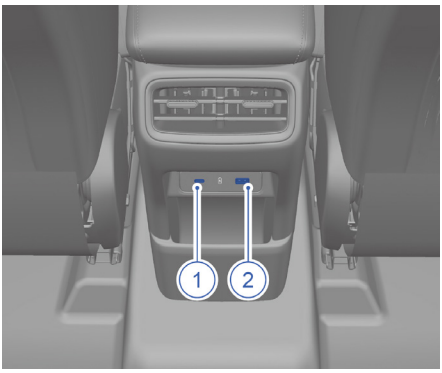
Front Charging Slots



1. USB multimedia slot
   USB multimedia slot has a data transmission and charging function.
2. Type-C charging slot
   Type-C charging slot can be used to charge mobile devices.
3. 12V power socket
   The 12V power socket can be used to connect electrical devices with a maximum limit of 120 W.

It is recommended to select other than the USB multimedia slot for charging due to its slow charging characteristic. ◀

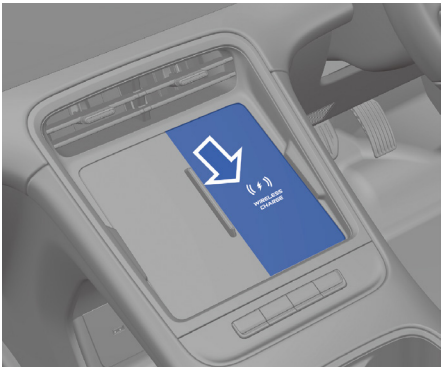
Rear Charging Slots



1. Type-C charging slot
   Type-C charging slot can used to charge mobile devices.
2. USB charging slot
   USB charging slot has charging function.

- Do not connect high-power rated electrical appliances to the power interface (charging slots). Otherwise, the corresponding fuse may easily blown.
- Do not use the power interface in parallel or in series with any other power supply.
- Do not modify or repair these vehicle power supplies by yourself or by unauthorised technicians. ◀

Wireless Charging*



The wireless charging board is at the front center console's area (at sub instrument panel).

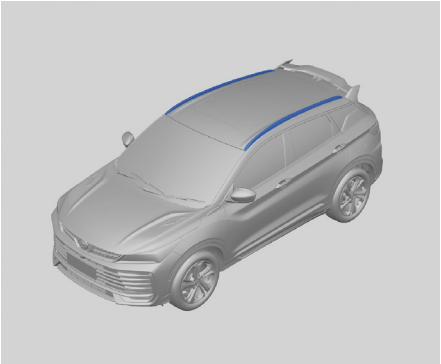
The wireless charging function can be turned on and off in the multimedia setting interface. To begin, make sure the wireless charging function is turn on.

When using the wireless charging board, ensure that the coil in the mobile phone is aligned with the coil in the middle of the charging board. It may be necessary to adjust the placement position of the mobile phone because the coil position of each mobile phone is different.

- Do not place heavy objects in the wireless charging area to avoid damage to the charging area.
- Do not place NFC cards, bank cards or ID cards with chips in the wireless charging area together with the mobile phone to prevent the cards from being invalid and damaged.
- Do not place any metal object between the mobile phone and the wireless charging board. If a metal object is stuck between the mobile phone and the wireless charging board, carefully remove the mobile phone and wait for the metal object to cool before removing it. Otherwise, it may cause scalding.
- Do not place flammable or explosive items between the mobile phone and the wireless charging board to avoid accidents.
- Do not spill any liquids on the wireless charging area, or it may cause system failure.
- Do not modify the wireless charging system, as this may damage the vehicle or cause an accident.
- Do not connect a mobile phone that does not support wireless charging to an external wireless charging coil or charge a mobile phone case with a coil by the method of wireless charging. Otherwise the wireless charging device and the mobile phone may be damaged.
- When the wireless charging area is only used as a storage space, please turn off the wireless charging function.
- When the driver is not in the vehicle, please do not put the mobile phone to charge in the vehicle to avoid potential safety hazards. ◀

- The wireless charging is only applicable to “Qi” certified mobile phones. It may not possible to charge non-certified mobile phones properly.
- Only one cellphone can be charged at a time.
- Do not place the intelligent key on the wireless charging board, otherwise the keyless start function may not work properly when charging the mobile phone.
- To avoid backfeeding power to the vehicle, please start the vehicle when using wireless charging. When starting the vehicle, the wireless charging function may stop briefly.
- The mobile phone case may cause the mobile phone fails to be charged using the wireless charging function normally.
- When driving on a bumpy road, the wireless charging function of the mobile phones may be interrupted.
- If the mobile phone cannot be charged normally, ensure that the mobile phone is in the wireless charging area with no other foreign objects. Let the wireless charging area and the mobile phone to cool down first and then try again.
- Some mobile phones may experience a short interruption during the process of switching from slow charging to fast charging, which will not affect subsequent charging.
- If the wireless charging function is consistently fails to work, please contact an authorized PROTON service outlet for inspection. ◀

Roof Rail*



This vehicle is equipped with load-bearing roof rail located on both sides of the roof, featuring a maximum load capacity of 50kg.

- The articles on the roof rail must be fastened firmly; otherwise, there is a risk of accidents.
- Do not overload the roof or exceed the approved gross vehicle weight.
- Loading objects on the roof rail will raise the centre of gravity of the vehicle. Avoid high-speed driving, sudden acceleration, emergency braking and sharp turning.
- When large objects are transported on the roof rail, the vehicle handling and steering response will change, increasing the risk of accidents. ◀

Seat Belt

Overview of Seat Belt

When the vehicle is running, all passengers should wear seat belts properly. In case of emergency braking or an accident, a proper wear of seat belts can reduce the severity of injury to the passengers.

- Failure to wear seat belt or improper wear of seat belt may cause serious injury and fatality!
- No passenger should sit on the area without seat and seat belt or on a seat with damaged seat belt.
- Each seat belt can only be used by one person. Do not share a seat belt with more than one person (including children).
- Do not hang the shoulder belt on the neck or pass through the armpit.
- Do not remove, disassemble or modify the seat belt.
- The seat belt in the vehicle is mainly designed according to the body shape of adults. Children should be sitted in appropriate child restraint systems.
- Do not clean the seat belt with bleach, dyes or chemical solvents. ◀

Wearing the Seat Belt Properly

When driving, do not tilt the seatback too much, stretch your head or arm out of the window or lean forward too close to the airbag to avoid serious injury. ◀



- The seatback shall be positioned upstraight and body back should fully cling to seatback.
- The seat belt should be flat and not twisted.
- The shoulder belt should be fastened across shoulder and chest.
- The lap belt should be as low as possible and cling to hips.

Wearing Seat Belt for Pregnant Woman

Before a pregnant woman drives a vehicle, consult a doctor to see if she can drive the vehicle. The method for pregnant women to wear seat belts is basically the same as that for normal use, but the following matters should be noted:

1. Lower the waist seat belt as much as possible and place it under the bulging abdomen.
2. The shoulder belt should pass over the shoulder and avoid the abdomen so that it is placed on the chest.

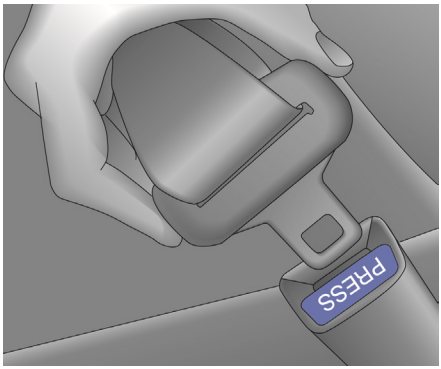
If the pregnant woman uses the seat belt incorrectly, the seat belt may

cause serious injury to the mother and fetus in case of emergency braking or collision. ◀

Three-point Seat Belt

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

   The three-point seat belt may be locked when being pulled across your body too fast. If this occurs, release and retract it a bit to unlock it. Then, pull the seat belt slowly across your body.

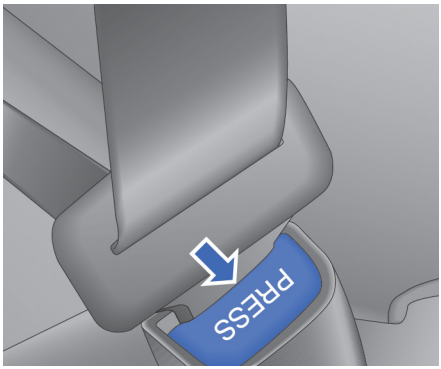


2. Press the latch plate into the buckle until a “click” sound is heard.

   Pull the latch plate to ensure it is locked. Confirm the position of the release button on the buckle for easy unfastening the seat belt later on.

   If equipped with a shoulder belt height adjuster, move it to the appropriate height.

3. The lap belt can be tightened if the shoulder belt is pulled up.



4. To unfasten the seat belt, press red button on the buckle. The seat belt should return to its storing position.

Avoid foreign objects such as food scraps, nut shells, buttons, coins, viscous liquid from falling into the seat belt‘s buckle. Otherwise, the seat belt unfastened reminder function and the buckle lock will not work properly. ◀

Do not insert foreign objects into the buckle. Otherwise, the buckle will not work properly, reduce the effectiveness of the seat belt protection and may cause serious injury or fatality. ◀

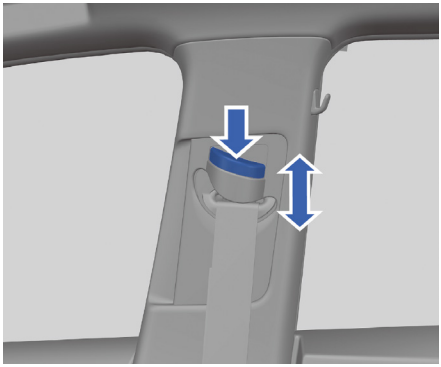
When unfastening the seat belt, make sure to hold and return the latch plate and the seat belt properly to its storing position. Do not let the seat belt retracts too fast or let the seat belt loose freely to prevent from damaging the interior area. ◀

Before closing the door, make sure the seat belt is not trapped by the door. Otherwise, the seat belts and doors will be damaged. ◀

Shoulder Belt Height Adjuster

This vehicle is equipped with shoulder belt height adjusters for the driver and front passenger seating positions.

Adjust the shoulder belt height so that the shoulder portion of the seat belt is centered over the shoulder. The seat belt should be positioned away from the face and neck, and must not slip off or slide under the shoulder. Incorrect height adjustment can reduce the effectiveness of the seat belt during a collision.



Press the height adjuster button and move the height adjuster to the desired position as shown above. The adjuster moves up by pressing the button and pushing up on the slider trim panel. Once the adjuster is in the desired position, release the button and try to move the adjuster down to determine if it is locked in place.

Seat Belt Pretensioner

The seat belt is equipped with a seat belt pretensioner. In case of vehicle collision, it will tighten the seat belt to ensure the safety of the passenger. The pretensioner can only work once.

After a collision, it is necessary to contact the authorised PROTON service outlet to replace the pretensioner and it may be necessary to replace other parts of the seat belt system.

Seat Belt Unfastened Warning

This vehicle is equipped with seat belt unfastened warning function for the driver and front and rear passenger.

When the seat belt unfastened warning is triggered, the seat belt unfastened warning light on the meter instrument will illuminate in different states, and the seat with the seat belt unfastened will be displayed on the meter instrument display.

Driver's and Front Passenger's Seat Belt Unfastened Warning

When the engine is started, the warning indicator illuminates if the driver or front passenger seat belt is not fastened.

When the vehicle speed is more than 10 km/h or the forward driving distance is greater than approximately 300 m, this warning indicator will flash with an audible warning tone if the seat belt is unfastened.

The warning indicator and warning tone will turn off once the seat belt is fastened in the corresponding position.

Rear Passenger's Seat Belt Unfastened Warning

For vehicle that is not equipped with rear seat passenger detection sensors, when starting the vehicle, the rear seat belt warning symbol will be displayed on the meter instrument and the rear seat belt

unfasten warning indicator will illuminate for 62 seconds, provided any of the rear seat belt is unfastened. After 62 seconds, the warning indicator and symbol will turn off.

If a rear seat belt is unfastened while the vehicle speed is more than 10 km/h, the warning indicator will flash together with an audible warning tone. This will continue until the rear seat belt is securely fastened in the corresponding rear seat position

Pay attention to the illuminated warning indicator lamp. Otherwise, serious personal injury and property damage will be caused. ◀

Airbag

Airbag Overview

Airbag is an integral part of the passive safety system, which can never replace seat belts. Otherwise, when the accident happens, the airbag will not effectively play its protective role. If you do not fasten seat belt, the fast inflation and deployment of airbags will cause a more serious injury. Therefore, all the passengers inside the vehicle must fasten seat belts when the vehicle is running.

Influenced by the collision's position, angle, degree and property of the objects collided, airbags may not be deployed in all accidents. The airbag can cause great impact when it is unfolded. Therefore, the driver and the front passenger should adjust the distance between the seat and the front airbag, ensure that there is a sufficient safety distance. Fasten the seat belt to avoid serious casualties. ◀

Ensure there is no barrier blocking the space for airbags to deploy. Do not put anything between passengers and airbags. If any barriers are between passengers and airbags, the airbags may be unable to be inflated normally, or the obstacle may pinch or impale the passenger when the airbag inflates, resulting in severe injury or casualties.

After the airbag is unfolded, do not touch it to avoid scalding. When the airbag is deployed, some gas and dust will be released, which may irritate the skin and eyes. Please go to hospital for treatment if you feel uncomfortable. ◀

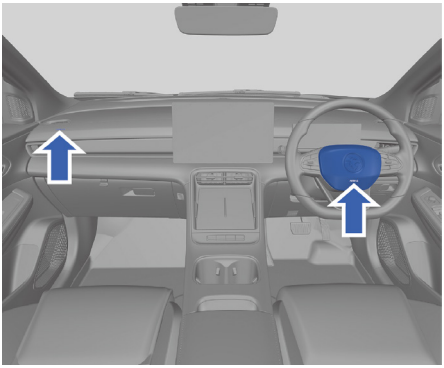
Do not maintain, repair, remove or replace any part of airbag system by yourself. Otherwise, the system may not work normally, causing serious casualties. The airbag system can only serve protective once. If the airbag has been deployed, it must be replaced at an authorised PROTON service outlet immediately. ◀

Due to the considerable speed and impact force when the airbag is unfolded, do not let infants and children or hold them on the front seat with airbag to avoid serious casualties. ◀

Locations of Airbags

Front Airbag

In case of frontal impact, front airbags can effectively protect passengers from being injured head-on.



When the vehicle suffers from moderate to severe front impact or nearly front impact which reaches the triggering condition of the system, the airbag will be inflated with gas so as to buffer the forward charging speed of driver and front passenger, and prevent the driver and front passenger from hitting on the steering wheel and instrument panel directly.

An airbag is mounted in the center of steering wheel and the other in the instrument panel above the glove box, respectively, marked with “AIRBAG”.

Inflation and deflation of airbags are completed within a very short period of time so that airbags will not have protective effects on second follow-up collision. To exert the protective function of front airbag, driver and passenger must wear seat belts and keep correct sitting posture when the vehicle is running. ◀

Do not press or knock the driver’s airbag cover plate by force to prevent the driver’s airbag from being deployed accidently and causing personal injury. ◀

Do not place your pets or objects in front of the instrument panel or glove box or on the steering wheel equipped with an airbag. They will hinder the deployment of the airbag or cause serious casualties due to the large injection force when the airbag is deployed.

Do not modify, disassemble, knock or open any front airbag component or circuit. Otherwise, the airbag may suddenly inflate or the system will become inoperable, causing serious personal injury or fatality. ◀

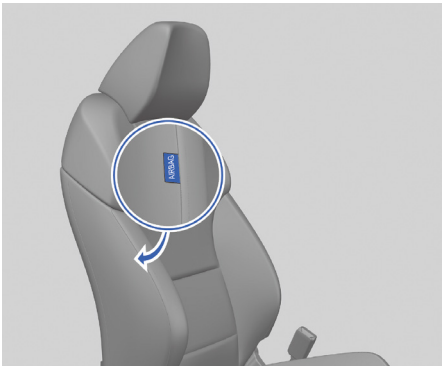
During the operation of the vehicle, do not sit on the side of the seat or lean against the instrument panel, because any person standing against or very close to the airbag may be seriously

injured or killed when the airbag inflates. Driver and passenger must ensure that they keep a distance of at least 25 cm from the airbag. ◀

Contact an authorised PROTON service outlet immediately in the following cases:

- Front airbags have been deployed.
- The front airbag cover has cracks, scratches or other forms of damage.
- The front part of the vehicle was hit, but did not cause the front airbags to deploy. ◀

Side Airbag



Side airbag provides further protection forthe driver and front passenger, based on the safety protection provided by seat belts. In case of a moderate or severe side impact, the side airbag can reduce personal injury by inflating and working with the seat belts simultaneously. Side airbags can effectively reduce chest injuries for driver or front passenger.

Side airbags are mounted in the seatback of the driver seat and front passenger seat, where they are marked with “AIRBAG”.

Due to the considerable speed and impact force when the side airbag is deployed, do not put your head and hands outside the window or close to the deployment area of the side airbag when the vehicle is driven. Otherwise, serious casualties may occur. ◀

Do not install seat cover on the seats that are equipped with side airbags. Otherwise, it may affect the deployment of the side airbag. ◀

Contact an authorised PROTON service outlet immediately in the following cases:

- Side airbags have been deployed.
- The door was hit but it did not cause the side airbag to deploy.
- The cover of seats at the side airbag assembly has cracks, scratches or other forms of damage. ◀

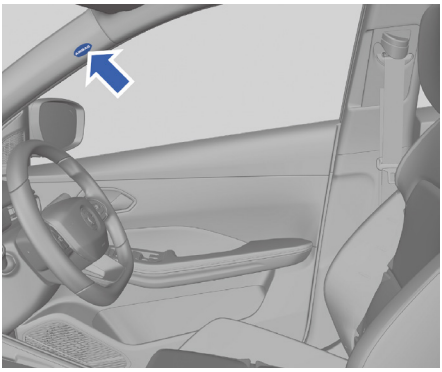
Before consult an authorised PROTON service outlet personnel, do not do the following operations to avoid affecting the normal operation of side airbag:

- Install electronic devices such as mobile two-way radio communication devices.
- Modify the passenger side structures. ◀

Side Curtain Airbag*

Side curtain airbag provides further protection for the driver, front passenger and rear side passengers, based on the safety protection provided by seat belts.

In case of a moderate or severe side impact, the side curtain airbag can reduce personal injury by inflating and working with the seat belts simultaneously. Side curtain airbags can effectively reduce the head injuries of the driver, front passenger and rear outboard passengers caused by collision.



Side curtain airbags are mounted above the side post of left and right sides in the vehicle, marked with “AIRBAG” on it.

As the side curtain airbag has considerable speed and impact force when it is unfolded, do not put your head and hands outside the window or close to the area where the side air curtain is deployed when the vehicle is driving. Otherwise, serious casualties may occur. ◀

Do not install any decorative parts around the side curtain airbag, such as windshield, door glass, side pillar, roof side, or stick microphone or any other equipment inside the roof and on the auxiliary handles. When the side curtain airbag is deployed, these items will be thrown out under the strong deployment force of the side curtain airbag, resulting in personal injuries or affecting the operation of the side curtain airbag. ◀

Contact an authorised PROTON service outlet immediately in the following cases:

- The side curtain airbags have been deployed.
- The door was hit but did not cause the side airbag to deploy.
- When the front pillar, rear pillar and roof side member decoration or ceiling fitted with the side curtain airbags have been scratched, cracked or damaged in other forms. ◀

Before consult an authorised PROTON service outlet personnel, do not perform the following operations to avoid affecting the normal operation of side curtain airbag:

- Install electronic devices such as mobile two-way radio communication devices.
- Modify suspension system.
- Repair at or near the bracket. ◀

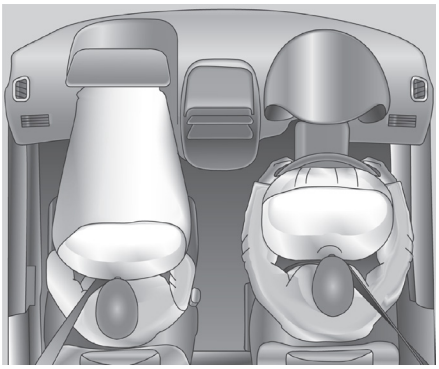
Deployment of Airbag

Deployment of Front Airbag

A moderate or severe head-on collision of the vehicle at 25 km/h and above will cause the front airbags to deploy.

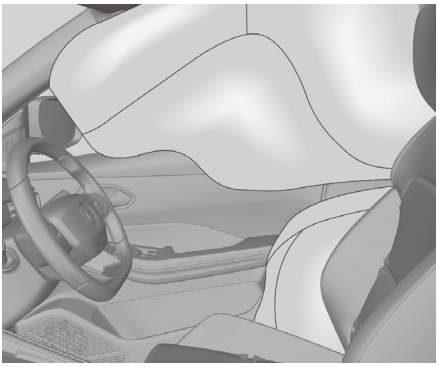
Always fasten the seat belts when the vehicle is running to minimize

injuries in case of airbag deployment. The driver and the front passenger must adjust their seats so as to keep a sufficient distance from front airbags. ◀



In the event of a collision, whether the airbag works depends on the collided object, the collision direction and the speed of vehicle deceleration caused by the collision. Two front airbags will be deployed under severe front impact.

Deployment of the Side Airbags and Side Curtain Airbags*



When the vehicle has a moderate or severe side impact and reaches the designed action value, the front side airbag and side curtain airbag will be deployed. In case of side impact, the inflation of side airbag and side curtain airbag can reduce the risk of upper body and pelvis injury.

Cases in which Front Airbags May Not Be Deployed

- When the vehicle is not started.
- When the collision occurs between the vehicle and deformable objects, such as trees.
- When the vehicle collides against low objects like steps etc.
- When the vehicle gets into a trench or pit suddenly.
- In case of crash (underrun crash) against the rear of a truck.
- Rollover.
- Side collision, rear collision and minor head-on collision.
- Airbag system has faults.
- Other special cases.

Cases in which Side Airbag and Side Curtain Airbag May Not be Deployed*

- Front collision or nearly front collision.
- Rear collision.
- Rollover.
- Minor side collision.
- Airbag system has faults.

Child Protection System

Child Restraint System (CRS)

Before installing any child restraint system, make sure the headrests are removed (applicable to seatback with removable headrest). ◀

Information of the Recommended CRS for the Vehicle

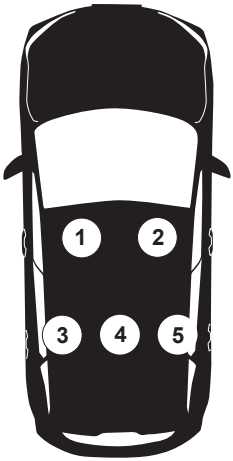
Mass group	Recommended CRS
Group 0: < 10 kg	Joie i-Spin 360
Group 0+: < 13 kg	Joie i-Spin 360
Group I: 9 kg ~ 18 kg	Joie i-Spin 360
Group II: 15 kg ~ 25 kg	-
Group III: 22 kg ~ 36 kg	-

Note : The recommended CRS above is based on the available CRS technology and components at the time of the testing is done.

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. ◀

Selection of Child Restraint System (5-seater)

This **5-seater** 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
	i-Size seating position (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

ISO Fixture (ISOFIX) Types for Child Restraint System :

A - ISO/F3 : Full Height Forward Facing Toddler CRS
B - ISO/F2 : Reduced Height Forward Facing Toddler CRS
B1 - ISO/F2X : Extra Reduced Height Forward Facing Toddler CRS
C - ISO/R3 : Full Size Rearward Facing Toddler CRS
D - ISO/R2 : Reduced Size Rearward Facing Toddler CRS
E - ISO/R1 : Compact Rearward Facing Toddler CRS
F - ISO/L1 : Left Lateral Facing Position CRS (Folding Bed Type)
G - ISO/L2 : Right Lateral Facing Position CRS (Carrycot Type)

Use of Child Restraint System

Infants and Younger Children

All seat belt system and airbag system of vehicle are not designed for protecting infants or younger children. Infants or younger children shall be always protected with proper child restraint system.



- If the shoulder belt twines around the neck of a child, the child may be severely injured and even killed when the seat belt is retracted. Do not let children stay alone in the vehicle or play with the seat belts.
- Make sure to not carry an infant or child in the arms in vehicle. In the event of a crash, infants and young children cannot be held due to the impact of the crash, and they should be fixed in appropriate child restraint system.
- The neck of an infant or young child is not fully developed, and his/her head is heavier than other parts of the body. In order to reduce the risk of neck and head injuries in a crash, infants and young children need comprehensive support. ◀

Older Children

Older children who are no longer fit to sit in a child restraint system shall wear seat belts. The instructions attached to child restraint system states the weight and height limits for the child sitting in it.

Children who meet the following applicable conditions shall use the child restraint system together with the seat belt:

- The children's knees cannot bend on the edge of seat when they try to sit on the seat as backward as possible.
- The shoulder belt cannot be placed on the children's shoulder when the seat belt is fastened properly.
- The children cannot wear the seat belt at a lower position and close to their hips.
- The seat belt cannot always be fastened properly when the vehicle is in motion.

Older child should wear the seat belt correctly. Make sure the seat belt does not cross the children's face or neck. The seat belt should be close to the children's hips. In case of a crash, the seat belt can provide additional restraint.

Make sure not to fasten the lap belt on abdomen. Otherwise, serious injury may occur in case of collision.

Children who has not fasten the seat belt may run into others who have fastened their seat belts or be thrown out of the vehicle in case of collision, resulting in serious or fatal injury.



Do not let two children share a single seat belt. Otherwise, the seat belt cannot properly disperse the impact force, which may lead to serious injury or even death in the event of a crash. ◀



Do not place the shoulder belt behind the back of the children when buckle

up with a seat belt. Otherwise, serious injury or even death may be caused in case of collision. The seat belt should be fastened across shoulder and chest. ◀

Description of the Child Restraint System

It is generally recommended to use the rearward facing child restraint system for infants and young children aged 3 to 4 years. For children who are not suitable with the rearward facing child restraint system due to their large size, the forward facing child restraint system can be used. For children whose body size is too large to fit in the forward child restraint system, use additional soft seat cushions (such as booster type child restraint system) to fasten the seat belt.

Installation of Child Restraint System

It is safer for children and infants to be properly secured in the child restraint systems in the rear seat.

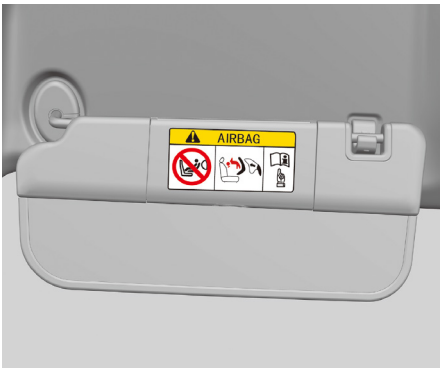
When fixing a child restraint system in the rear seat, carefully read the instructions attached to the child restraint system and ensure that it is suitable to be mounted on this vehicle. ◀

Warning Labels

Warning labels can be found on the front and back of the sunvisor at the front passenger side, reminding that the vehicle is equipped with front airbags and the related precautions shall be observed.

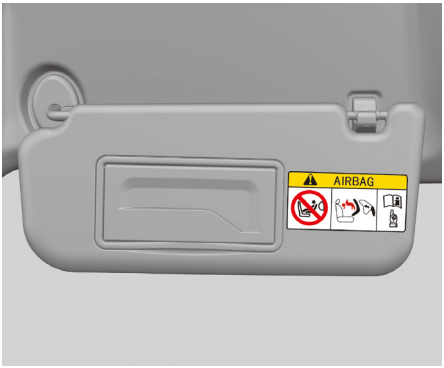
Type 1





Type 2



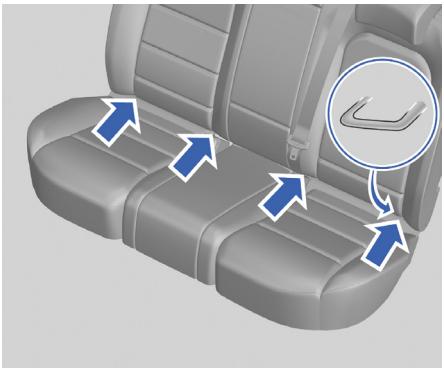


Do not install any rear facing CRS at a seat that is under front airbag protection (in active state)!

Do not put a rear facing CRS on the front seat. Infants who cling to or are too close to the air bag will be seriously injured or killed when the air bag inflates (deploys). ◀

Installation of ISOFIX Child Restraints System

The lower ISOFIX mountings are mounted between the gaps between seat cushion and seatback of the left and right rear row seats.



Install the ISOFIX mountings of the child restraint system with the lower ISOFIX mountings on the left or right rear row seat.

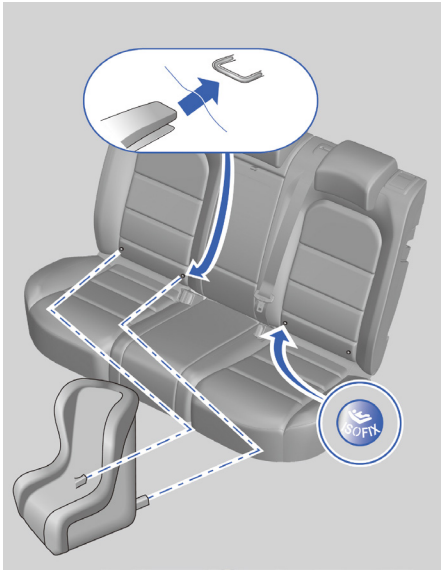
It is not necessary to fix the child restraint system with a seat belt at this time. When installing and using the child restraint system, please follow the operation and safety instructions of the manufacturer. Otherwise, the protection effectiveness may be affected.

Confirm with the manufacturer of the child restraint system whether the child restraint system can be used for this vehicle model. ◀

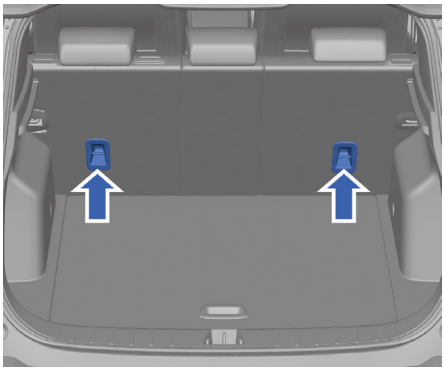
Installing CRS with Lower ISOFIX and Top Tether Anchorages

Install the child restraint system with the lower ISOFIX mountings and the Top Tether according to the following procedures:

1. Lower the rear seat's headrest to the lowest position. Open the fixed lever cover.
2. Confirm the position of the ISOFIX mounting.
3. Align the ISOFIX connector of the child restraint system with the corresponding lower ISOFIX mounting at the chosen seat and insert it.



4. Confirm whether the connection is locked properly.



5. Align the top strap belt connector of the child restraint system with the corresponding top ISOFIX mounting (Top Tether) at the back of rear seat, open the cover and insert the connector to the ISOFIX mounting.
6. Inspect whether the connection is locked properly.

Confirm that the top strap belt and the ISOFIX mounting is buckled firmly. Push and pull the child restraint system in different directions to check whether it is secured. Installation shall be carried out according to manufacturer's instruction. ◀

If the child restraint system is not installed to the ISOFIX mounting correctly, severe injury or even fatal may occur to the child.

The ISOFIX connectors of the child restraint system and the ISOFIX anchorages of the vehicle are designed only to carry the load imposed by the proper installed child restraint system. Under no circumstances shall they be used for seat belts, harnesses or other objects and devices to be fixed on the vehicle. Make sure to install the child restraints system only when the vehicle is stationary. When the ISOFIX connector of the child restraint system is correctly fixed to the ISOFIX mounting of the vehicle, you will hear a "click" sound. ◀

Driving

Driving Instructions

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

- When driving on a road with poor conditions.
- When passing road kerb.
- When running on steep slopes.

Be careful when driving with the fully loaded vehicle. ◀

For vehicle that is equipped with turbocharged engine, do not turn off the engine suddenly when driving or cruising in N gear (*Accelerating-stalling-Coasting* in N gear method). At this time, the engine is at fully loaded and high temperature condition. Turning off the engine will stop the oil pump, and causing lubricant unable to remove the excess heat from turbocharger components. The turbocharger will damage due to overheat. ◀

New Vehicle Running-in

The running-in of new vehicle is mainly to improve the surface quality, friction and wear condition of the moving parts. This will extend the service life and reduce the fuel consumption. In the new vehicle running-in period, observe the following requirements:

- When starting and driving, do not fully press the accelerator pedal to the bottom.
- In the running-in period, keep driving the vehicle on flat roads avoid driving on bumpy, muddy or sandy roads.
- Avoid idling the engine.
- Avoid sudden acceleration.
- Avoid sudden braking in the first 300 km mileage.
- Do not keep driving at the same speed for a long time, regardless of high speed or low speed. ◀

Driving in Cold Weather (below 0 °C)

90% of the wear and tear of the moving parts of the engine occurs in the cold condition. In order to reduce wear, extend the service life of the engine, and reduce fuel consumption, the following requirements must be complied with when starting a cold engine:

- After starting the vehicle, let it idling for 2-3 minutes before driving.
- After starting, the vehicle should keep driving at a low speed below 40 km/h, and then continue normal driving after the coolant temperature indicator starts to change (50~60 °C). ◀

Long-term short-distance driving in cold weather may cause the coolant temperature does not reach the middle mark of the coolant temperature gauge, resulting in deterioration of the engine oil, wear of the engine moving parts and increased fuel consumption. If the coolant temperature of the vehicle does not reach the middle mark line after one consecutive week of driving, drive the vehicle in the

following driving conditions once to extend the service life of the engine oil.

- ***Urban condition:*** average speed is between 30 to 40 km/h and driving time is more than 50 minutes.
- ***High speed condition:*** average speed is more than 80 km/h and driving time is more than 30 minutes. ◀

Before stopping the vehicle after a short-distance drive, press the accelerator pedal firmly several times to help remove moisture from the exhaust system. ◀

Winter Tyre

It is recommended to use winter tyres if you frequently drive on roads covered with ice or snow. Although all-season tyres provide good overall performance on most road surfaces, they may not deliver the same level of traction or performance as winter tyres under icy or snowy conditions.

Winter tyres are designed to increase traction on roads covered with ice or snow. However, when winter tyres are used on dry roads, vehicle traction may decrease, road noise may increase, and tyre tread wear may accelerate.

After installing winter tyres, pay attention to any changes in vehicle handling and braking performance.

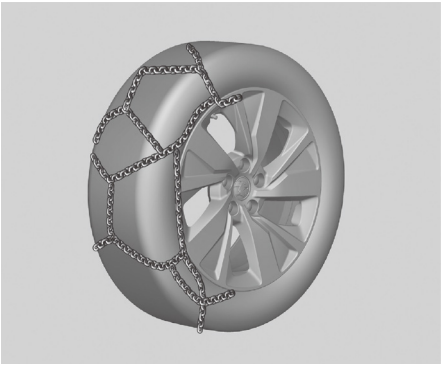
For details on winter tyre supply and selection of applicable tyres, consult an authorised PROTON service outlet.

If you choose to use winter tyres:

- Use tyres of the same brand and tread pattern on all four wheels.
- Only radial tyres of the same size, load rating, and speed rating as the original tyres should be used.
- If winter tyres with a lower speed rating are installed, do not drive faster than the tyres' maximum rated speed.

Tyre Chain

Anti-slip tyre chains are not included with this vehicle. The following information is for reference only. ◀



Determine whether anti-slip tyre chains are required according to the actual road conditions.

When using anti-slip tyre chains, avoid fully loading the vehicle and drive carefully at low speed, otherwise the vehicle may be damaged and its drivability affected.

When installing anti-slip tyre chains, select chains that match the tyre size of the vehicle and install them in accordance with the manufacturer's instructions.

Do not use anti-slip tyre chains on dry roads. ◀

Economical Driving

Different driving habits may result in up to 10% to 15% variance in fuel consumption. Please drive in ECO mode for energy saving and environmental protection.



When driving the vehicle, make sure to drive safely and observe traffic rules and regulations. Do not interfere with others and the road traffic. ◀

1. Stable starting and accelerating
   Fuel consumption is high when starting and accelerating. Avoid stepping the accelerator pedal fully down to the floor during starting or accelerating when driving the vehicle. Stable starting and accelerating helps to save fuel.

2. Keep an economical driving speed
   Economical driving speed is between 40 km/h to 60 km/h on normal road and 80 km/h to 100 km/h on highway. Maintaining an economical speed, while prioritizing safe driving, helps improve fuel efficiency.

3. Avoid unnecessary braking
   Keep a proper following distance from the preceding vehicle and try to avoid frequent braking. Slow down in advance when approaching a red light, and let the vehicle coast in drive (D) gear. Avoid sudden braking.

4. Reduce the idle speed
   Shut down the engine when parking for a long time, the engine consumes fuel when idling. Stop the engine when the parking exceeds 1 minute in the case of traffic jam and waiting for a red light for a long time. Fuel consumed at idle speed within 30 to 40 seconds is more than fuel required to restart the engine.

5. Keep low wind resistance
   Opening windows at a high speed will increase wind resistance of the vehicle and lead to increase of fuel consumption. Please close the windows when the vehicle speed is higher than 80 km/h.

6. Maintain correct tyre pressure
   Check tyre pressure regularly. Too low tyre pressure will increase rolling resistance of tyres and result in increase of fuel consumption.

7. Minimise operation of A/C system
   Air conditioner will increase engine load obviously. Use air conditioner only when necessary. Open windows at a low speed. The internal circulation mode will save more energy when you use air conditioner.

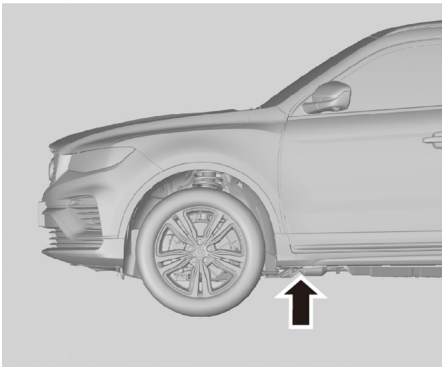
8. Reduce vehicle load
   Each kilogram of additional load may increase fuel consumption. Clear unnecessary luggage on vehicle regularly.

9. Maintain the vehicle regularly
   Maintain the vehicle as per the specification to keep vehicle in good condition. A good engine operating condition will not only improve driving safety but also reduce fuel consumption.

10. Plan the driving route properly
    Optimize the route and try to avoid traffic jam. This will save both time and fuel consumption.

11. Do not change the size of tyre at will.
    Using larger or wider tyre will increase fuel consumption.

Driving Through Water



To prevent vehicle being damaged when driving through water (e.g. flooded roads), it is necessary to pay attention to the following precautions:

1. It is necessary to confirm the water depth before driving through water. The water level should not go above the edge of the border girder.

2. Drive at low speeds, otherwise, waves may form in front of the vehicle, which may cause water to enter the engine air intake system or other parts of the vehicle.

3. Do not park, reverse, turn off or start the engine in water under any circumstance.

When the vehicle runs on the road with water, mud, etc., the braking performance may be affected and the braking distance may be extended whickh may cause an accident!

Avoid sudden braking immediately after driving through the water. When the vehicle runs on the road with water, the brakes must be cleaned and dried as soon as possible by intermittent braking. Brake when traffic conditions permit, to dry and clean the brakes and avoid traffic accidents. ◀

Certain parts of the vehicle such as the engine, transmission, chassis or electrical system may be severely damaged when driving through water.

The wave created by other vehicle from the opposite direction may exceed the allowable water level of this vehicle.

Pits, wallows or stone may be hidden in water. They will make driving through water more difficult.

Do not drive through salt water. Salt causes vehicle becomes rusty. Immediately use clean water to wash all metal parts that are in contact with salt water.

After driving through water, it is recommended to go to an authorised PROTON service outlet for inspection. This is to identify potential hazards and ensure driving safety. ◀

Parking the Vehicle

- Park the vehicle on a flat, solid and safe road that does not affect the traffic flow of other vehicles.
- When parking, firstly step on the brake pedal until the vehicle stops slowly and stays still. Then, push P button to place the gear in P position and pull up the EPB switch to apply the electric parking brake (EPB).
- If there are combustibles under the vehicle, they may catch fire easily when in contact with high temperature parts of the exhaust system. Do not park the vehicle if there are papers, leaves, dry grass and other combustibles under the vehicle.

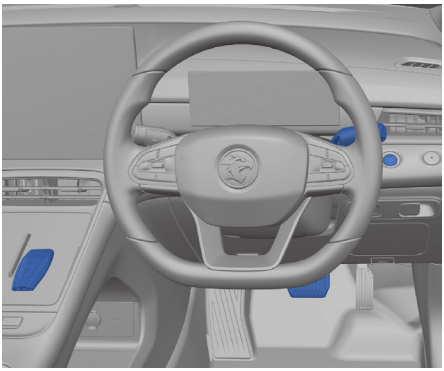
Do not leave children or persons with incapabilities inside the vehicle. They may release parking brake or operate the gear shift lever, causing vehicle to move and may result in personal injury or fatality. ◀

Precautions for turbocharged engine when stopping the engine: avoid turn off the engine immediately when running at high speed and full load, but gradually slows down until the vehicle stops. Idle for 3 to 5 minutes before stopping the engine to prevent the turbocharger from being damaged due to engine oil shortage in bearings or overheating of parts. Avoid idling the engine for a long time (the idling should not longer than 20 minutes). ◀

Starting the Vehicle

Keyless Start

Starting the Engine



1. Carry a valid intelligent key;
2. Shift to N or P gear (push P button);
3. Press the brake pedal;
4. Press the ignition switch.

- Before starting the vehicle, check that the driver seat, steering wheel, interior and exterior rear view mirrors (door mirrors) are adjusted to a safe comfortable position.
- Check whether the brake pedal can be fully pressed before starting the engine.
- Start the vehicle in accordance with local environmental laws and regulations.
- Check whether the surrounding environment is acceptable for starting the vehicle. If not, do not start the vehicle.

- If the engine has not reached its optimum operating temperature, do not keep the engine running at high speed (rpm) for a long time; otherwise, the engine may be damaged.
- Do not take the intelligent key out of the vehicle or operate the ignition switch when driving. This may cause the engine stops running. ◀

If the vehicle with turbocharged engine is changing the engine oil, replacing the oil filter, installing new turbocharger or starting the engine that has been out of service for a long time, it should run at idle speed for a few minutes before full-load operation to ensure good lubrication. ◀

Stopping the Engine

1. Make sure that the vehicle has stopped.
2. Press the P button to place the gear in Park (P) position.
3. Engage the electric parking brake (if the EPB is not engaged automatically from pressing P button).
4. Press the ignition switch to OFF position.

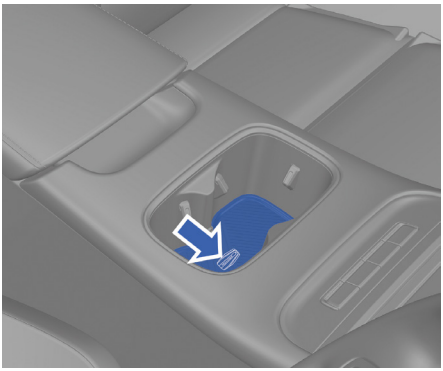
Do not press the ignition switch before the vehicle stops completely. ◀

Backup Starting Program of the Vehicle

If the following conditions occur, the meter instrument may prompt that the intelligent key is not detected when starting the vehicle:

- The vehicle is located in an area with strong signal interference.
- The battery level of the intelligent key is low.
- The keyless starting function has failed.

Start the vehicle as per the following steps:



1. Place the intelligent key at the key identification area as shown (at the key symbol area inside the front cup holder).
2. Shift the gear to P or N position.
3. Press the brake pedal.
4. Press the ignition switch to start the vehicle.

If the keyless start function still fails to function normally after the battery is replaced and the vehicle is driven outside of the interference region, contact an authorised PROTON service outlet for repair as soon as possible. ◀

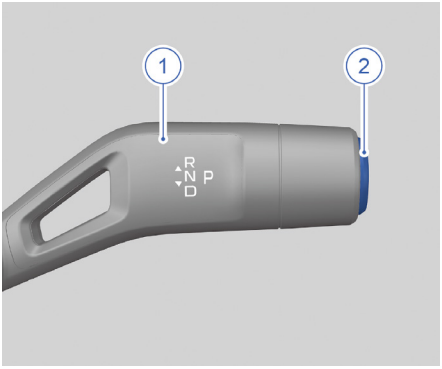
Starting Procedure*

1. To start the engine, press the brake pedal and ignition switch. After the engine starts, release the ignition switch. The idle speed will drop after the engine is warmed up. After starting the engine, do not increase the engine speed immediately. Please increase the load of engine and transmission gradually so that the oil can preheat and lubricate all working components.
2. If the intelligent key is not in the vehicle or it gets interfered with, the meter instrument will remind that the intelligent key is not in the vehicle. In this case, the engine cannot be started. This vehicle is equipped with a computer-controlled starting system which assists in starting the engine and protecting its components.
3. When the engine has started, release the ignition switch, and the starter will drive the engine to continue for a few seconds until the engine starts to run.

If the engine fails to start, do not immediately press the ignition switch again for an extended period in an attempt to start the engine. This may cause the starter motor to overheat and become damaged. After a failed starting attempt, wait at least 30 seconds before trying to start the engine again. If the engine fails to start after three consecutive attempts, allow the starter motor to cool down and wait at least 15 minutes before attempting to start the engine again. ◀

Automatic Gear Column Shifter

Gear Information



1 - Automatic Column Shifter (Gear Shift Lever)

2 - P button (Parking Gear)

Push the automatic gear column shifter (also known as gear shift lever) upward or downward to switch among the following gears: Reverse (R) gear, Neutral (N) gear and Drive (D) gear.

Press the P button to switch the gear to Park (P) gear position.

Do not attempt to start the engine unless the gear shift lever is in P (Park) or N (Neutral) gear position.

Before starting the engine, ensure that the driver is properly seated in the driver's seat and that all vehicle doors are closed.

Make sure there are no children or other persons in front of or behind the vehicle when starting the engine.◀

Gear Operation

Park (P)

After the vehicle has completely stopped, press the P button to switch the gear to Park (P) position. The electric parking brake (EPB) will be activated (engage the parking brake). Then, both automatic transmission and the vehicle's service brakes will be locked.

In any case, do not switch the gear to P position when the vehicle is moving. Otherwise, it will cause serious mechanical damage and the vehicle can be out of control. The automatic transmission's service life will also be affected. ◀

Drive (D)

Start the engine with the gear in Park (P) or Neutral (N) position. Press and hold the brake pedal for at least for three seconds until the engine runs smoothly.

Press and hold the brake pedal again. Then press down the EPB switch to release the electric parking brake. Move the gear shift lever to Drive (D) position, gradually release the brake pedal and gently press the accelerator pedal to drive forward.

Make sure to engage the gear first and only then press the accelerator pedal. Do not engage the gear while pressing the accelerator pedal, or press the accelerator pedal first and then engage the gear. ◀

Do not engage the gearshift lever to Drive (D) or Reverse (R) gear position before the engine has been started.

Before starting the engine, make sure that all doors are fully closed and that no persons are positioned in front of or behind the vehicle, to minimise the risk of injury or accident. ◀

Reverse (R)

When the engine is still idling and vehicle stops completely, press and hold the brake pedal. Press down the EPB switch to release the parking brake.

Push the gear shift lever to Reverse (R) position. Gradually release the brake pedal and gently press the accelerator pedal to reverse the vehicle.

Driving Modes

Drive Mode Selection



Select the following on the multimedia display screen in sequence:

Vehicle Settings → Driving,

Under the ***Drive Mode*** section, select your required driving mode between ECO, Sport, Comfort and Adaptive mode.

Sport Mode

In the Sport mode, all driving gears will automatically lag in upshifting and advance in downshifting, which can fully utilise the engine's standby power and obtain better driving power.

Comfort Mode

In the Comfort mode, the vehicle balances between fuel efficiency and driving power to deliver a comfortable driving experience.

ECO Mode

In ECO (economic) mode, all drive gears will automatically advance in upshifting and lag in downshifting, which can effectively reduce engine speed (rpm) and achieve better fuel efficiency.

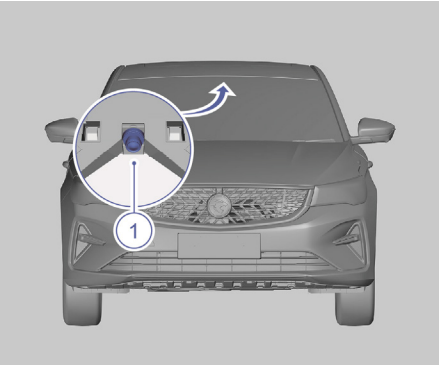
Adaptive Mode

In the Adaptive mode, the vehicle will automatically adjust the drive mode based on the driving style of the driver.

Intelligent Driving System

Introduction of Intelligent Driving System

Front Camera*



1 - Front camera

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

Always keep the front camera clean. The visual field of front camera shall not be blocked by any pollutants (such as rain, snow, fog, water vapor, ice and frost, leaves, bird droppings, etc.) or interfered by strong light. Otherwise, the performance of intelligent driving will be affected.

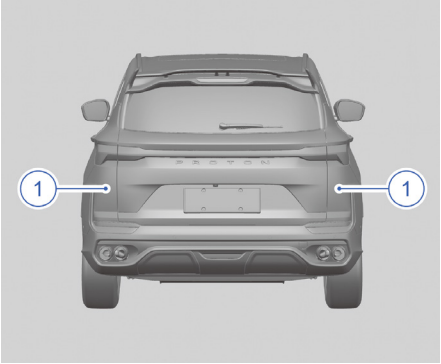
The front camera has blind spots and limited distance recognition, making it ineffective at detecting objects beyond or at the edges of its field of view.

- In adverse conditions such as rain, snow, fog, or dust, the front camera's recognition capability may be affected, potentially leading to reduced system performance or temporary deactivation. The driver must continuously monitor the vehicle's status and be prepared to take control at any time.
- If a system failure occurs in the front camera, the meter instrument display will prompt in text. Go to an authorised PROTON service outlet for maintenance.
- In order to protect the electronic components, the system function will be temporarily unavailable when the front camera is at extremely high temperature. The meter instrument display will prompt in text. When the temperature drops sufficiently, the front camera unit will automatically restart and the system function will return to normal.
- If the visual field of front camera is blocked, the vehicle enters a dark area, there is a sudden change in surrounding light, or strong light interference occurs, system performance may be reduced or certain functions may be deactivated. The driver should always monitor the vehicle's status and be ready to take control.
- Do not modify the front camera. When the front camera is subject to strong vibration and slight impact, the calibration will be affected and may need to be re-calibrated. Deformation, damage, replacement, or coating of the front windshield may also impair the front cameras's accuracy of object recognition. ◀

Blindness of front camera is a normal reaction under certain conditions. Without blocking the view of front camera, the driver may avoid dark surrounding and direct sunlight, and then the system will recover itself. If it cannot be recovered, go to an authorised PROTON service outlet for maintenance. ◀

When the whole vehicle is powered on (engine start), the intelligent driving system needs to be initialized, and it cannot work normally during initialization process. ◀

Medium-range Radar*



1 - Rear Side Medium-range Radar

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

- Adverse weather conditions such as heavy rain, snowstorms, or dense fog may reduce the performance of the rear side medium-range radar, potentially causing some targets to go undetected or be detected too late.
- Keep the rear side medium-range radar clean. No obstacles should obstruct the field of view of the rear side medium-range radar, as this may affect the performance of the intelligent driving system.
- Under certain exceptional conditions, the performance of the rear side medium-range radar may be reduced.
- Do not modify or tamper with the rear side medium-range radar. Strong vibrations or even minor impacts can affect its calibration and performance.
- If the surface of rear side medium-range radar is obstructed or contaminated, the meter instrument display will prompt both visual text and audio alarm to remind the driver.

The rear-side medium-range radar may experience reduced detection capability under certain road conditions, which is a normal response. To restore normal function, ensure the radar's surface is clear and drive the vehicle under typical road conditions for a period of time. If the radar does not return to normal operation, go to an authorised PROTON service outlet for maintenance.

In the following situations, please visit an authorized PROTON service outlet for professional calibration of the rear-side medium-range radar:

- The rear side medium-range radar has been removed and installed.
- After a collision.

- The toe-in and/or rear wheel camber have been adjusted during four-wheel alignment.
- The intelligent driving system is degraded or abnormal. ◀

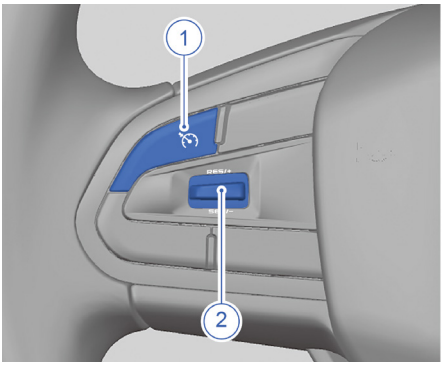
After removing the plastic mounting clips of the rear side medium-range radar, the clips should be replaced to ensure the installation accuracy of the radar. ◀

Cruise Control (CC) System*

With cruise control, you can keep the vehicle at any speed between 30 to 180 km/h without having to keep pressing the accelerator pedal.

Do not use the cruise control system on winding, congested, or slippery roads, as it may increase the risk of traffic accidents. ◀

Function Activation



The CC buttons (for Cruise Control system) is on the left side of the steering wheel.

1 - Cruise button :

Briefly press this button to enable, disable or exit the cruise control function.

2 - Speed adjustment and setting button:

Briefly push this button up or down to activate the CC system.

When CC is enabled (in standby mode):

- Push the button up (RES/+)

  Short push: Restore or resume using the set cruise speed, OR

Short push: Increase set cruise speed by +1 km/h.

Push and hold: The set cruise speed increase by +5 km/h.

- Push the button down (SET/-)

  Short push: Set current speed as the new set cruise speed, OR

  Short push: Decrease set cruise speed by -1 km/h.

  Push and hold: The set cruise speed decrease by -5 km/h.

If the cruise control system is shown as enabled on the meter instrument display, accidentally pressing the CC buttons may unintentionally activate the system, potentially startling the driver and leading to a loss of vehicle control. ◀

Setting Cruise Speed

1. Press the cruise button to enable the cruise control function. The cruise control function is in standby mode and the CC status indicator on meter instrument display will illuminate.
2. Push down the speed adjustment and setting button (towards SET/-) to set the current driving speed as the new set cruise speed.

Restoring Set Cruise Speed

If you have already set the vehicle speed required by the cruise control and the vehicle is driven with the set cruising speed, when you press the brake pedal, the cruise control function will be canceled. The stored speed at this time still remains in the memory of CC system.

When the vehicle speed is 30 km/h or higher, push the speed adjustment and setting button upwards (towards RES/+) to restore the vehicle speed following the set cruise speed.

Accelerating in Cruise Control

The acceleration can be realized through either of the following two methods:

- 1st method: Press the accelerator pedal to increase vehicle speed.
- 2nd method: If the cruise control system is activated, push and hold the speed adjustment and setting button up (towards RES/+) to increase the cruise speed continuously in 5 km/h increments until the button is released. To slightly accelerate, briefly push the speed adjustment and setting button up (towards RES/+). The cruising speed will increase by 1 km/h.

Decelerating in Cruise Control

If the cruise control system is activated or vehicle is using the set cruise speed:

- Push and hold the speed adjustment and setting button downwards (towards SET/-), to decrease the cruise speed continuously in 5 km/h until the button is released.
- To slightly decelerate, briefly push the speed adjustment and setting button downwards (towards SET/-). The cruising speed will decrease by 1 km/h each time the button is pushed.

Overtaking in Cruise Control

Press the accelerator pedal to temporarily increase vehicle speed for overtaking. The vehicle speed will return to the previously set cruise speed when the accelerator pedal is released.

Using Cruise Control at Slope

The performance of cruise control system on ramps or slopes depends on factors such as vehicle speed, load, and the gradient of the slope. When climbing steep upslope, it may be necessary to press and hold the accelerator pedal to maintain vehicle speed.

On downhill slopes, press the brake pedal or shift to a lower gear to control vehicle speed. Applying the brake pedal will deactivate the cruise control system.

Exiting the Cruise Control

The cruise control function can be ended or exited by three methods:

- Press the brake pedal to deactivated the cruise control function.
- Shift to neutral (N) gear.
- Press the cruise button to exit (completely turn off) the cruise control system.

Clearing the Set Speed Memory

When cruise control is turned off or the ignition switch is set to OFF position (engine off), the set cruise speed memory in cruise control system will be cleared.

Automatic Speed Limit Control System (LIM)*

The automatic speed limit control system integrates a Limiter Intelligent Management (LIM) module, enabling the driver to set a maximum speed limit and ensuring the vehicle does not exceed this speed limit setting.

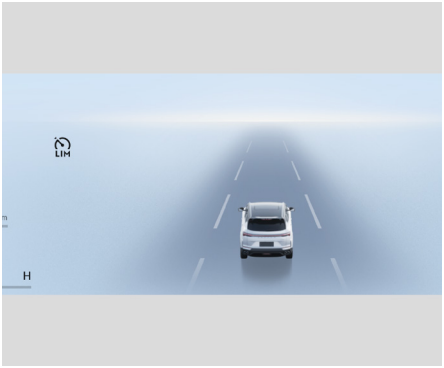
Always deactivate this system after use to avoid unintended speed adjustments.

- Although the vehicle is equipped with an Automatic Speed Limit Control System, the driver must adjust the speed according to driving conditions. Avoid fully pressing the accelerator pedal unless necessary.
- Using the Automatic Speed Limit Control System in adverse weather conditions such as on roads covered with water, ice, snow, or leaves can be extremely dangerous and may result in serious injury or fatality. Therefore, only activate this system when both road and weather conditions are safe and suitable for its operation. ◀

Function Selection

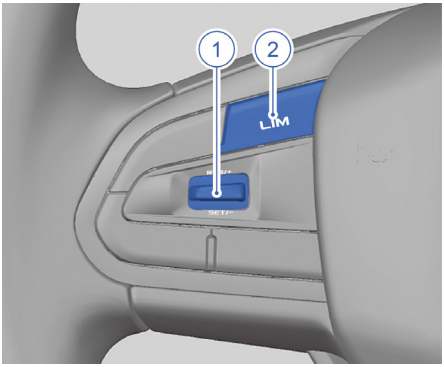
Enable the automatic speed limit control system via LIM button on the left side of steering wheel.

After selection, the system will be on standby, and the LIM status indicator at meter instrument display will turn on in grey.



Function Activation

The automatic speed limit control system button (LIM button) is on the left side of steering wheel, and the setting range of speed limit is 30 ~ 160 km/h.



1 - Speed adjustment and setting button:

Push this button up or down to activate the LIM function.

- Push the button up (RES/+)

  Short push: resume using this system with the last recorded exit speed, OR

  Short push: increase speed limit setting by +1 km/h.

  Push and hold: speed limit setting increase by +5 km/h.

- Push the button down (SET/-)

  Short push: set the current speed as new speed limit setting, OR

  Short push: decrease speed limit setting by -1 km/h.

  Push and hold: speed limit setting decrease by -5 km/h.

2 - LIM button:

Short press this button to enable or to exit this system.

Setting Speed Limit

When the automatic speed limit control (LIM) system is enabled, push down the speed adjustment and setting button to set the current speed as the speed limit.

Push this button up or down again to adjust the speed limit setting.

Resume Speed Limit

When the accelerator pedal is fully pressed during driving, the LIM system will temporarily switch to driver control mode. The LIM status indicator will illuminate in yellow, indicating the override. However, the preset speed limit remains stored. Once the accelerator pedal is released, the automatic speed limit control system resumes, and the LIM status indicator returns to green.

Use of Automatic Speed Limit Control on Ramp or Slope

When driving downhill, if the automatic speed limit control system (LIM) is unable to maintain the set speed limit, the vehicle may accelerate due to gravity. In such cases, immediately press the brake pedal to reduce speed and maintain vehicle control.

Turn Off Automatic Speed Limit Control

- Press LIM button, and the automatic speed limit control system (LIM) will be deactivated and change to standby mode. The LIM status indicator will change from green to grey.
- Press LIM button when the LIM system is on standby mode to exit (end) the automatic speed limit control system (LIM). The LIM status indicator on meter instrument will turn off.

Clearing Vehicle Speed Memory

When the the automatic speed limit control system (LIM) is turned off or the ignition switch is in OFF position (engine off), the vehicle speed memory set by the automatic speed limit control will be cleared.

Adaptive Cruise Control (ACC) System*

The adaptive cruise control (ACC) system can control the vehicle speed based on the set Cruise speed and the set headway (following distance with other vehicle ahead) in the range of 0 ~ 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 uses front camera to detect the vehicle ahead and maintain the headway set by the driver through automatic speed adjustment function. The driver can control the vehicle at any time according to driving conditions.

When the vehicle is powered on (engine started), ACC will start self-check, and the system function is not available at this stage. ◀

- ACC is only an assistance system instead of an emergency warning and collision avoidance system, which can not substitute the driver. The driver must always keep control of the 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 and other reasons 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 for this function to keep a proper distance from the vehicle ahead. Under such circumstances, be extra careful and be ready to brake at any time. Never use ACC when the vehicle is under heavy load.
- The ACC system may have difficulty to detect pedestrians, two-wheeled or three-wheeled vehicles, vehicles carrying irregularly shaped items and modified vehicles. It also may not recognize animals, road debris, overturned vehicles, or pedestrians standing next to or behind a vehicle. Please drive with caution, as the system's ability to detect and respond to these situations may be limited.
- The ACC system cannot detect stationary or slow-moving vehicles, nor can it identify oncoming vehicles. While using ACC, drivers should remain alert to road conditions and the vehicle's status, and overtake other vehicles when necessary.
- If ACC is activated when the vehicle is stationary, the system will recognize the static obstacle ahead as vehicle and remain stationary to ensure a safe start and prevent unintended acceleration that could lead to a collision. Static obstacles may include, but are not limited to, speed bumps, trees, pedestrians, and railings.
- When ACC is active, pressing the accelerator pedal will transfer control to the driver, who can then accelerate the vehicle. The ACC system will no longer control the vehicle's speed until driver releases the pedal.
- When entering or exiting a curve, target detection may be delayed or disrupted, potentially causing unexpected or delayed braking by the ACC system.
- In certain situations, such as when the vehicle ahead (preceding vehicle) is moving significantly slower than this vehicle or when it abruptly changes lanes in close proximity, the ACC system may not have sufficient time to adjust the relative speed. In these cases, the driver must intervene and respond (brake) appropriately.
- If the preceding vehicle suddenly brakes, ACC may fail to respond timely or react too slowly. In this case, the driver will not receive the takeover request. The driver should press the brake pedal for emergency braking.
- On sharp turns, such as those on a serpentine road, the ACC system may struggle to detect the preceding vehicle due to the front camera field of view limitation, which could result

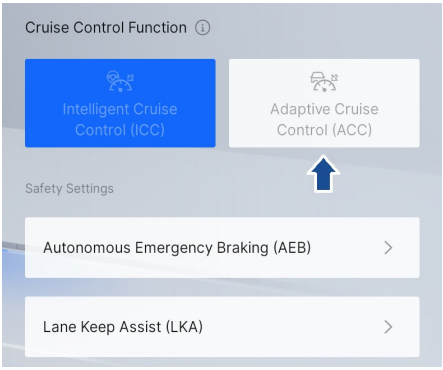
in unintended acceleration. In such cases, the driver must respond appropriately based on the actual conditions.

- If the distance between the ACC vehicle and the adjacent lane is too narrow, or if a vehicle in the adjacent lane is too close to the ACC vehicle's lane, the ACC system may detect this and apply the brakes.

In following situations, the driver must be more alert:

- When the vehicle is stationary and the ACC is activated to start driving, the system may have difficulty to identify pedestrians, childrens, animals, two-wheeled vehicles (such as bicycles), three-wheeled vehicles (such as tricycles), or obstacles ahead. This poses a significant risk of collision. Therefore, the driver must ensure that the area ahead of the vehicle is clear and safe before activating ACC to begin driving (vehicle start to move).
- If the vehicle speed is high and the turn signal lamp is activated while overtaking the vehicle ahead, the ACC system will automatically accelerate and reduce the distance to the preceding vehicle. Once the vehicle enters the overtaking lane and no other vehicle is ahead, the ACC will automatically accelerate or return to the set cruise speed.
- ACC cannot detect the items loaded or accessories mounted on the preceding vehicle that protrude from its side, rear end or roof. If the preceding vehicle is carrying such loads or equipment, the ACC system must be turned off when overtaking such vehicles.
- When towing a trailer, the dynamic performance of the ACC system may be reduced.
- Once the system requests the driver to take control of the vehicle, if the vehicle continues to move, the driver must press the brake pedal to brake.
- Structural modifications to the vehicle, such as lowering the chassis height or adding any objects to the front windshield, may affect the performance of the ACC system. ◀

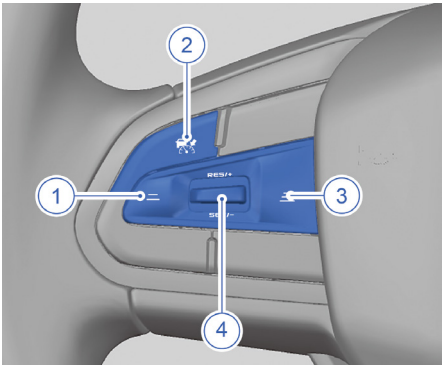
Function Selection



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS***, and under Cruise Control Function section, select Adaptive Cruise Control (ACC) in this interface.

Steering Wheel Buttons



The ACC buttons (for Adaptive Cruise Control system) is on the left side of the steering wheel.

1 - Headway decrease button:

Briefly press this button to decrease the distance with preceding vehicle (headway) in ACC system.

2 - Cruise button :

Briefly press this button to enable, disable or exit the ACC system.

3 - Headway increase button:

Briefly press this button to increase the distance with preceding vehicle (headway) in ACC system.

4 - Speed adjustment and setting button:

Briefly push this button upwards or downwards to activate the ACC system.

When ACC is enabled (in standby mode):

- Push the button up (RES/+)

  Short push: restore or resume using the set cruise speed, OR

  Short push: increase set cruise speed by +1 km/h.

  Push and hold: the set cruise speed increase by +5 km/h.

- Push the button down (SET/-)

  Short push: set current speed as the new set cruise speed, OR

  Short push: decrease set cruise speed by -1 km/h.

  Push and hold: the set cruise speed decrease by -5 km/h.

Function Activation

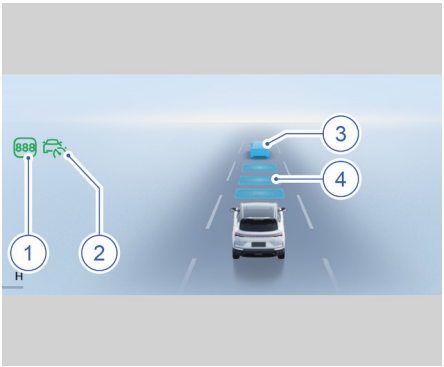
To activate ACC, the following conditions must be met at least:

- ACC system has been selected in multimedia display screen. Press the Cruise button to enable the ACC system to standby mode.
- The gear is in Drive (D) position.
- Engine is running.
- Four doors, tailgate and front hood are all closed.
- The vehicle is in motion, and the brake pedal is not applied.
- Brake system has no failure.
- The front camera should be free from issues such as high temperatures, dirt, or malfunction.
- ESC system is active.
- EPB is released.
- The driver fastens the seat belt.
- Drive mode is correct (not in ECO driving mode). ◀

1. **When the vehicle is stationary**, activate ACC and set the vehicle speed as follows:
   - Press Cruise button to turn on or enable the ACC. The ACC status indicator on the meter instrument display will illuminate in white.
   - Press the brake pedal or activate the AUTO HOLD function.
   - Push the speed adjustment and setting button upwards (towards RES/+) or downwards (towards SET/-) to activate ACC. The ACC status indicator on the meter instrument display will turn to green and the set cruise speed is 30 km/h.
   - When the brake pedal is released, ACC can continue to keep the vehicle stationary.
   - The driver needs to push the speed adjustment and setting button upwards again (towards RES/+) or slightly press the accelerator pedal to make the ACC control the vehicle to start moving (start driving).
   - ACC will control the vehicle speed according to the set cruise speed.
2. **When the vehicle is in motion**, activate ACC and set the vehicle speed as follows:
   - Press Cruise button to turn on ACC. The ACC status indicator on the meter instrument display will illuminates in white indicating that the ACC system is enabled and in standby mode.
   - Push the speed adjustment and setting button upwards or downwards to activate ACC. The ACC status indicator on meter instrument display will turn to green. When the vehicle speed is below 30 km/h, the set cruise speed will be 30 km/h. When the vehicle speed is between 30 to 150 km/h, the current vehicle speed will be selected as the set cruise speed.
   - ACC will control the vehicle speed according to the set cruise speed.
3. Push the speed adjustment and setting button downwards (SET/-) to confirm the desired set cruise speed.

Meter Instrument Display

While cruising, the meter instrument will display changes in the distance to the vehicle ahead (headway) as the relative speed between vehicles varies.



1 - Set Cruise Speed Indicator
2 - ACC Status Indicator
3 - Preceding Vehicle Image
4 - Headway

Set Cruise Speed Indicator

If ACC is not activated (in standby mode), the set cruise speed indicator (1) is white.

If ACC is activated, the set cruise speed indicator (1) turns green.

The indicator's number will be displayed according to the current set cruise speed.

ACC Status Indicator

If ACC is not activated (in standby mode), the ACC status indicator (2) is white.

If ACC is activated, the ACC status indicator (2) turns green.

If ACC has failure, the ACC status indicator (2) turns grey.

Preceding Vehicle Image

If ACC system is active and following the vehicle ahead of this vehicle as target, the preceding vehicle image (3) is blue.

If the distance between this vehicle and the vehicle ahead is too close, the preceding vehicle image (3) will turn to yellow.

If the distance between the two vehicles is too close and the driver's active takeover such as pressing the brake pedal is required, the preceding vehicle image (3) turns to red.

If the driver press the accelerator pedal to control the vehicle, the preceding vehicle image (3) is grey.

Headway

Headway (4) is the distance with vehicle ahead (preceding vehicle) that can be selected by the driver.

Headway has three levels: Near, Medium and Far. Every time the vehicle is started, the default ACC headway level is Far.

The driver can adjust the headway level by pressing the headway increase button or headway decrease button on the left side of the steering wheel.

Regardless of the circumstances, the driver must always maintain a safe braking distance from the vehicle ahead and be aware of local highway regulations concerning minimum following distances or headway time gaps. It is the driver's responsibility to comply with all applicable traffic laws. ◀

Using ACC Speed Control

Acceleration Mode

Acceleration can be performed in two ways:

- Press the accelerator pedal for active acceleration. In case of active acceleration, the driver takes control of vehicle and the meter instrument shows the active vehicle acceleration. After the driver releases the accelerator pedal, ACC continues to control the vehicle following the set cruise speed.
- While driving with ACC set cruise speed, briefly push the speed adjustment and setting button

upward (towards RES/+) to slightly accelerate. Short push the button upward will increase vehicle speed by 1 km/h. Push and hold the button upward will continuously increase the speed in 5 km/h increments until the button is released. The maximum set cruise speed is 150 km/h.

Overtaking Assist Mode

When ACC is active and this vehicle is following a preceding vehicle, activating the turn signal lamp will cause ACC to automatically accelerate or decelerate to assist with the lane change (for overtaking).

This assistance continues until the lane change is completed or the turn signal lamp is turned off.

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 is dotted (has clear lane line suitable for overtaking).
- The set cruise speed should be high enough for a safe overtaking.
- Turn on the turn signal lamp.

During overtaking assist mode operation, unexpected acceleration may occur under certain conditions. The driver must remain attentive and be prepared to respond promptly to any sudden changes. Always maintain control of the vehicle and be ready to intervene if necessary under following situations.

- This vehicle is approaching highway exit where the exit direction aligns with the typical direction of overtaking.
- Before this vehicle enters the overtaking lane, the speed of the preceding vehicle decreases.
- Simultaneously, the speed of another vehicle already in the overtaking lane also decreases.

During overtaking assist mode operation, unexpected deceleration may occur under certain conditions. The driver must remain attentive and be prepared to respond promptly to any sudden changes. Always maintain control of the vehicle and be ready to intervene if necessary under following situations.

- The speed of vehicle in the overtaking lane is lower than your vehicle speed.
- The longitudinal distance between your vehicle and the vehicle in the overtaking lane is short.
- The vehicle in the overtaking lane is a large, long-bodied vehicle and is positioned parallel to your vehicle..

During overtaking assist mode, the driver is responsible for manually controlling the lane change. ◀

This function can be activated in situations beyond overtaking. For example, when the turn signal is used to change lanes or enter another road, the vehicle may briefly accelerate. ◀

Stop and Go Mode

When ACC is activated, if the vehicle ahead (preceding vehicle) gradually slows down and stops, this vehicle will also decelerate smoothly, coming to a stop while maintaining a safe distance.

- Within 10 seconds of coming to a stop, if the vehicle ahead begins to move, ACC will automatically resume cruising this vehicle.
- If the stop lasts longer than 10 seconds, the driver must either press the accelerator pedal or push the speed adjustment and setting button upward (toward RES/+) to resume cruising this vehicle.
- In ACC stop and go mode, the vehicle can remain stationary for up to 3 minutes. After this period, ACC will be deactivated automatically and the EPB will be activated.
- If the driver manually deactivates the ACC system during the stop and go mode, the vehicle may begin to move automatically. At this point, the driver must take control of the vehicle.
  ACC system cannot detect stationary vehicle and cannot apply braking to prevent a collision with it.

After the vehicle has stopped, ACC may still control its movement, which could lead to unintended vehicle motion and potentially cause traffic accidents, serious injury, or fatality. ◀

The ACC system may experience unexpected acceleration under the following situations. Drivers are advised to remain vigilant and apply the brakes as necessary.

- When the ACC system is following a vehicle that stops, it might not detect that the vehicle is stationary and could keep driving at the cruise speed set by the driver.
- When the preceding vehicle makes a low speed turn at an intersection and disappears from the the ACC system detection, ACC will accelerate the vehicle to the set cruise speed. ◀

Deceleration mode

While driving in ACC set cruise speed, briefly push down the speed adjustment and setting button (towards SET/-) to slightly decelerate the vehicle speed.

Every short push downward will reduce the vehicle speed by 1 km/h.

Push downward and hold will keep reducing the vehicle speed by 5 km/h until the button is released. The minimum set cruise speed is 30 km/h.

Restoring Set Cruise Speed

If the driver sets the ACC to the desired set cruise speed and then presses either the brake pedal or the Cruise button, ACC will deactivate.

The previously set cruise speed will remain stored in the ACC system's memory and will continue to be shown on the meter instrument display.

To activate ACC and resume cruising as per the last set cruise speed, push

the speed adjustment and setting button upward (towards RES/+).

Exiting ACC

The following methods can be used to exit (turn off) the ACC system:

- Press brake pedal to deactivate ACC and then press the Cruise button to exit the ACC system.
- When the ACC function is still active, press the Cruise button twice to deactivate and exit the ACC system.
- Press and hold the Cruise button to deactivate and exit the ACC system.

Adaptive Cruise Control (ACC) relies on the proper functioning of other vehicle systems, such as the Electronic Stability Control (ESC). If any of these systems become inactive or malfunction, ACC will automatically deactivate.

In the event of automatic deactivation, an audible alert will sound, and a message will appear on the meter instrument display.

The driver must intervene and take control of vehicle to maintain a safe speed and proper distance from the vehicle ahead if the ACC system becomes unavailable.

ACC functionality is dependent on the proper operation of the front camera and related sensors. The system may be temporarily disabled under the following conditions related to front camera :

- Front camera system has a failure.
- Insufficient ambient lighting (e.g., night time or dim environments)
- Exposure to intense direct light (e.g., direct sunlight or lights from oncoming vehicle's headlamp)
- Obstruction of the front camera by foreign objects, debris, or environmental factors (e.g., dirt, snow, ice)
- Sudden transitions between bright and dark environments (e.g., entering or exiting tunnels)

Possible reasons for disabling the ACC (including but not limited to):

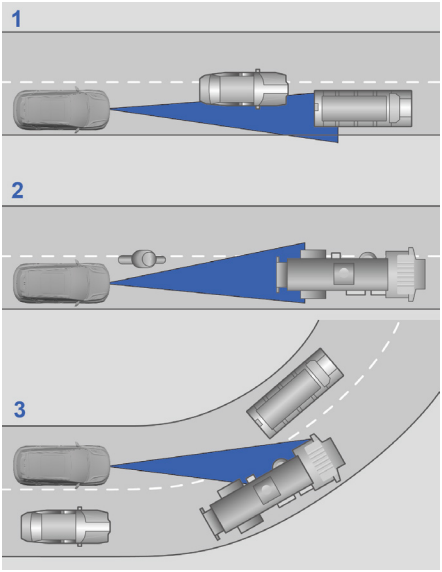
- Any door, hood or tailgate is opened.
- Driver’s seat belt is unfastened
- The wheels losses roadholding or its traction force.
- The brake system performance is degraded or faulty.
- Parking brake is applied
- Front camera is covered by wet snow or heavy rain.
- The ESC system is not functioning or turned off.

Detection Problems

The detectability of front camera is limited. In some cases, the front camera may fail to detect vehicles or delay the detection of vehicles.

When the whole vehicle is powered on (engine started), the front camera needs initialisation, and the preceding vehicle cannot be detected within a certain period of time during the initialisation process.

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. If the preceding vehicle is a large truck or lorry, the time of detecting the vehicle may be delayed.
3. When the driver enters or exits a curve, detection problems related to the preceding vehicle may occur.

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

Intelligent Cruise Control (ICC) System*

The Intelligent Cruise Control (ICC) system enables simultaneous cruise speed control and direction assistance within a speed range of 0 ~ 150 km/h.

ICC automatically adjusts vehicle speed based on the set cruise speed and following distance (headway), and provides steering support through lane centering technology or by tracking the vehicle ahead.

The system can also perform lane offset control when overtaking large vehicles, such as lorry. If the system detects that the driver has removed their hands from the steering wheel, a touch detection alert will be triggered to remind driver's engagement.

This system is primarily designed to assist the driver during highway or elevated road driving, where road conditions are stable and well-marked.

When the vehicle is powered on (engine started), ICC will start self-check, and the system function is not available at this stage. ◀

- The ICC function is intended for use only on motorways (expressways) and other roads with controlled access. The driver must remain attentive at all times and be prepared to take full control of the vehicle immediately in the event of an emergency.

- The ICC system is only a driver assistance feature and it is not an emergency warning nor the collision avoidance system. The driver is responsible for operating the vehicle safely and in compliance with all traffic laws and regulations.
- The ICC function does not detect or respond to vehicles or objects crossing the carriageway.
- Changes in vehicle posture caused by excessive loading in the luggage compartment may affect the target recognition capabilities in ICC.
- The system may not respond in time if a vehicle suddenly cuts in (in front of this vehicle) at a low speed. In such cases, the driver must be prepared to apply the brake immediately.
- When sudden accelerating and this vehicle approaching a lower speed vehicle ahead (resulting in a significant speed difference), the driver must intervene and brake promptly.
- When driving on a steep downslope, maintaining a safe following distance with the vehicle ahead may be difficult. In these situations, driver must remain alert and prepared to brake. Do not use ICC when the vehicle is heavily loaded.
- The ICC may have difficulty to detect the pedestrians, tricycles, vehicles carrying irregularly shaped loads, vehicle with non-standard shape, animals, debris on the road, overturned vehicles, or pedestrians standing next to or behind a vehicle.
- The ICC may not be able to detect stationary or slow moving vehicles and is unable to recognise oncoming vehicles. While ICC function is active, the driver must always pay attention to road conditions, vehicle status and the surrounding traffic environment, and be prepared to take control of the vehicle immediately when necessary.
- When ICC is active, pressing the accelerator pedal will transfer control to the driver, who can then accelerate the vehicle. The ICC system will no longer control the vehicle's speed until driver releases the pedal.
- When entering or exiting a curve, target detection may be delayed or disrupted, potentially causing unexpected or delayed braking by the ICC system.
- If the preceding vehicle suddenly brakes, ICC may fail to respond timely or react too slowly. In this case, the driver will not receive the takeover request. The driver should press the brake pedal for emergency braking.
- On sharp turns, such as those on a serpentine road, the ICC system may struggle to detect the preceding vehicle due to the front camera field of view limitation, which could result in unintended acceleration. In such cases, the driver must respond appropriately based on the actual road conditions. ◀

In following situations, the driver must be more alert:

- When the vehicle is stationary and the ICC is activated to start driving, the system may have difficulty to identify pedestrians, childrens, animals, two-wheeled vehicles (such as bicycles), three-wheeled vehicles (such as tricycles), or obstacles ahead. This poses a significant risk of collision. Therefore, the driver must ensure that the area ahead of the vehicle is clear and safe before activating ICC to begin driving (vehicle start to move).
- If the turn signal lamp is activated while overtaking the preceding vehicle ahead, the ICC system will automatically accelerate and reduce the distance to the preceding vehicle. Once the vehicle enters the overtaking lane and no other vehicle is ahead, the ICC will automatically adjust the vehicle speed or return to the set cruise speed.
- ICC cannot detect the items loaded or accessories mounted on the preceding vehicle that protrude from its side, rear end or roof. If the preceding vehicle is carrying such loads or equipment, the ICC system must be turned off when overtaking such vehicles.
- When towing a trailer, the dynamic performance of the ICC system may be reduced.
- Once the system requests the driver to take control of the vehicle, if the vehicle continues to move, the driver must press the brake pedal to brake.
- Structural modifications to the vehicle, such as lowering the chassis height or adding any objects to the front windshield, may affect the performance of the ICC system. ◀

The ICC directional assist function is not designed to operate under the following road conditions. Use of the system in these scenarios may result in degraded performance or failure. The driver must remain attentive and take full control of the vehicle as needed:

- Roads with a very small curve radius.
- Roads with invisible, faded, or missing lane line or markings.
- Intersections or areas where roads merge or split.
- Roads with vehicle marks, such as tyre tracks or marks.
- Roads where the number of lanes increases or decreases suddenly.
- Roads where there is a significant difference between the original and new lane (e.g. road widening or temporary diversions).
- Situations where road edges (e.g. walls, guardrails, curbs, grassland, green belts, or asphalt seams connection) may be incorrectly identified as lane lines.
- Roads or pavements with potholes, bumps, or surface undulations.

- Construction zones, where the ICC system cannot detect temporary road signs such as cones.
- Conditions involving sudden changes to ambient lighting, such as entering or exiting tunnels.
- Ultra-wide or ultra-narrow road size, which fall outside system detection parameters.
- Roads where lane lines turn sharply, highly winding roads or road with steep downhill gradients.
- Adverse weather conditions with reduced visibility, such as fog, heavy rain, or snow. ◀

When the ICC system follows the preceding vehicle through an intersection, this vehicle may shift laterally in response to the preceding vehicle's movement.

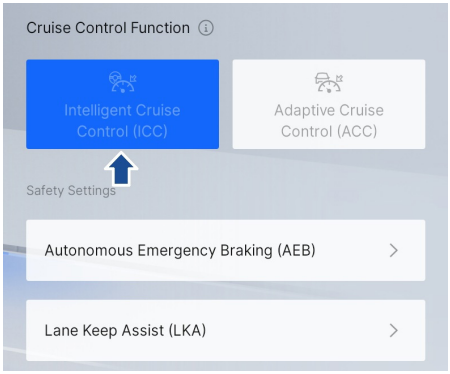
This may result in a risk of side collision with vehicles in adjacent lanes. The driver must remain alert and be prepared to take control of the vehicle immediately.

At motorway (highway) or main road entrances, due to changes in road layout, ICC cannot perform lane change function. Under these conditions, ICC functionality may be degraded, and only ACC functions will remain active.

The ICC system is not suitable for complex road conditions, including but not limited to the severely congested road condition, road with frequent or unpredictable traffic pattern changes, crossings, intersections, ramps and invisible lane lines.

The driver must continuously monitor the driving environment and be prepared to take control of the vehicle at any time. The ICC system is designed to enhance driving comfort only under suitable road conditions. The driver remains fully responsible for the safe operation of the vehicle at all times. ◀

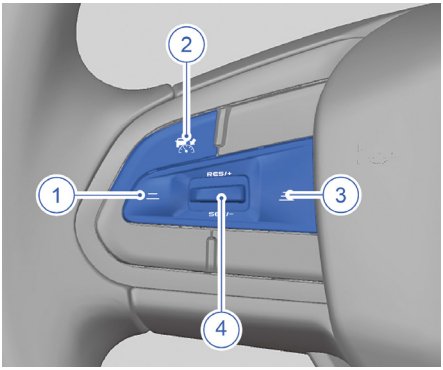
Function Selection



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS***, and under Cruise Control Function section, select the Intelligent Cruise Control (ICC) in this interface.

Steering Wheel Buttons



The ICC buttons (for Intelligent Cruise Control system) is on the left side of the steering wheel.

1 - Headway decrease button:
Briefly press this button to decrease the distance with preceding vehicle (headway) in ICC system.

2 - Cruise button :
Briefly press this button to enable, disable or exit the ICC system.

3 - Headway increase button:
Briefly press this button to increase the distance with preceding vehicle (headway) in ICC system.

4 - Speed adjustment and setting button:
Briefly push this button upwards or downwards to activate the functions in ICC system.

When ICC system is enabled (in standby mode):

- Push the button up (RES/+)
  Short push: restore or resume using the set cruise speed, OR
  Short push: increase set cruise speed by +1 km/h.
  Push and hold: the set cruise speed increase by +5 km/h.
- Push the button down (SET/-)
  Short push: set current speed as the new set cruise speed, OR
  Short push: decrease set cruise speed by -1 km/h.
  Push and hold: the set cruise speed decrease by -5 km/h.

Function Activation

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

- Press the Cruise button to enable the ICC system to standby mode (turn on ICC).
- The gear is in Drive (D) position.
- Engine is running.
- Four doors, tailgate and front hood are all closed.
- The vehicle is in motion, and the brake pedal is not applied.
- Brake system has no failure.
- The front camera has no failure such as high temperatures, covered by dirt, or malfunction.
- ESC system is active.
- EPB is released.
- The driver fastens the seat belt.
- Drive mode is correct.. ◀

1. **When the vehicle is stationary**, activate ICC as follows:
   - Press Cruise button to turn on or enable the ICC. The ICC status indicator on the meter instrument display will illuminate in white.
   - Press the brake pedal or activate the AUTO HOLD function.
   - Push the speed adjustment and setting button upwards (towards RES/+) or downwards (towards SET/-) to activate ICC. The ICC status indicator on the meter instrument display will be green.

- When the brake pedal is released, ICC can continue to keep the vehicle stationary.
- The driver needs to push the speed adjustment and setting button upwards again (towards RES/+) or slightly press the accelerator pedal to make the ICC control the vehicle to start moving (start driving).

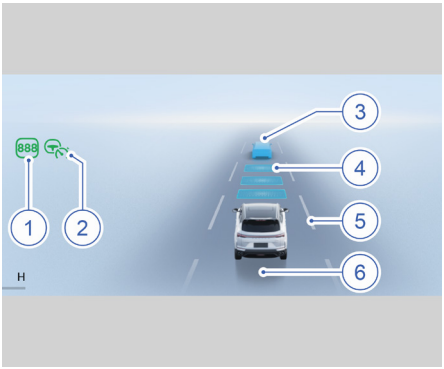
2. **When the vehicle is in motion**, activate ICC and set the vehicle speed as follows:
   - Press Cruise button to turn on ICC. The ICC status indicator on the meter instrument display will illuminates in white indicating that the ICC system is enabled and in standby mode.
   - Push the speed adjustment and setting button upwards or downwards to activate ICC. The ICC status indicator on meter instrument display will turn to green. When the vehicle speed is below 30 km/h, the set cruise speed will be 30 km/h. When the vehicle speed is between 30 to 150 km/h, the current vehicle speed will be selected as the set cruise speed.
   - ICC will control the vehicle speed according to the set cruise speed.

The maximum set cruise speed supported by the ICC system is 150 km/h. It is the driver's responsibility to adjust and maintain a safe cruising speed in accordance with road conditions, traffic flow, and speed limits indicated on traffic signs. ◀

3. Push the speed adjustment and setting button downwards (towards SET/-) to confirm the desired set cruise speed.

Meter Instrument Display

While cruising, the meter instrument will display changes in the distance to the vehicle ahead (headway) as the relative speed between vehicles varies.



1 - Set Cruise Speed Indicator
2 - ICC Status Indicator
3 - Preceding Vehicle Image
4 - Headway
5 - Lane Line
6 - Lane Shading

Set Cruise Speed Indicator

If iCC is not activated (in standby mode), the set cruise speed indicator (1) is white.

If ICC is activated, the set cruise speed indicator (1) turns green.

The indicator's number will be displayed according to the current set cruise speed.

ICC Status Indicator

If ICC is not activated (in standby mode), the ICC status indicator (2) is white.

If ICC is activated, the ICC status indicator (2) turns green.

If ICC has failure, the ICC status indicator (2) turns grey.

Preceding Vehicle Image

If ICC system is active and following the vehicle ahead of this vehicle as target, the preceding vehicle image (3) is blue.

If the distance between this vehicle and the vehicle ahead is too close, the preceding vehicle image (3) will turn to yellow.

If the distance between the two vehicles is too close and the driver's active takeover such as pressing the brake pedal is required, the preceding vehicle image (3) turns to red.

If the driver press the accelerator pedal to control the vehicle, the preceding vehicle image (3) is grey.

If ICC has failure, the preceding vehicle image (3) will not be displayed.

Headway

Headway (4) is the distance with vehicle ahead (preceding vehicle) that can be selected by the driver.

Headway has three levels: Near, Medium and Far. Every time the vehicle is started, the default ICC headway level is Far.

The driver can adjust the headway level by pressing the headway increase button or headway decrease button on the left side of the steering wheel.

In any case, the driver must always maintain a safe braking distance from the vehicle ahead and be aware of local highway regulations regarding minimum following distances or headway time gaps. It is the driver's responsibility to comply with all applicable traffic laws. ◀

Lane Line

No lane line is displayed when ICC does not detect any lane line markings.

Grey when the lane keeping assist (LKA) system is not active or disabled.

It turns to white when LKA is enabled or in standby mode.

The lane line (5) will turn to blue when the LKA is intervened by the steering wheel torque.

The lane line (5) turns to red when the LKA triggers a lane departure alert.

The curvature of lane line may be detected inaccurately due to limited sensor or front camera performance, e. g., a straight road may be displayed as a curved road.

Lane Shading

Lane shading (6) will be displayed in low light (dark color) when ICC is not activated or in standby mode.

It will be highlighted when ICC is active.

- On roads where lane line markings are unclear (such as during night

driving, in rainy or snowy weather), the curve deceleration function may not be activated. The driver must stay alert to road conditions and be prepared to take control of the vehicle.

- The curve deceleration function relies on the detection and recognition of lane lines. Its performance may be limited in poor lane line conditions, and false activations may occur. As such, the driver must maintain full control of the vehicle at all times. ◀

Cruise Control in ICC

The cruise speed setting and headway distance adjustment in the Intelligent Cruise Control (ICC) system operate in the same manner as in the Adaptive Cruise Control (ACC) system.

Additionally, the cruise control modes and associated precautions in the ICC system are consistent with those of the ACC system.

Direction Assist Control

When ICC is active and detects lane markings on both sides of the vehicle, it will automatically maintain the vehicle in the centre of the lane (lane centering control). At the same time, the lane shading in the meter instrument display will be highlighted to indicate active LCC.

If one or both lane markings are no longer detected, ICC will disable the lane centering control function, but cruise control will remain active and continue to maintain the set cruise speed and following distance (headway).

Now, the steering wheel icon in the ICC status indicator illuminates in yellow, while the speedometer's section maintain illuminates in green.

If ICC recognizes the lane lines on both sides again, it will automatically resume the lane centering control and the whole ICC status indicator illuminates in green.

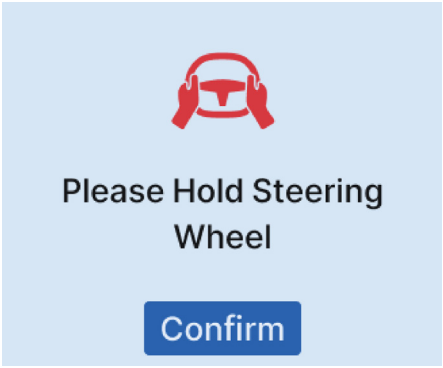
When this vehicle is following preceding vehicle at low speed, the lane line markings may be temporarily blocked or undetectable. In such cases, ICC can use the driving path of the preceding vehicle to provide direction assist control. This vehicle will gradually move in lateral as needed following the preceding vehicle, allowing ICC to continue both cruise control and directional assistance.

The driver must pay special attention to traffic conditions on either side of the vehicle and be prepared to take control if necessary.

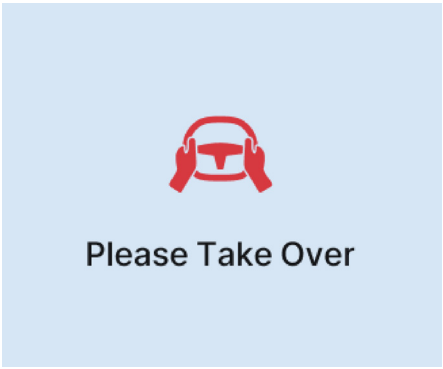
Steering Release Warning

When ICC is activated, the driver should always hold the steering wheel with both hands. If no hands are detected on the steering wheel for a certain period, a relevant steering release warning will appear on the meter instrument display as reminder.

When both hands are detected holding the steering wheel, this reminder displayed on meter instrument will disappear, and the ICC will resume normal operation. ◀



If the system detects that the driver hands are not holding the steering wheel (hands-off state condition) for a certain period, it will trigger a Level 1 steering release warning as above.



If the driver still has not responded for a prolonged period, ICC will trigger a Level 2 steering release warning as above.

If the system detects that the driver remains hands-off for a specified period after a Level 2 steering release warning is triggered, the ICC function will automatically exit.

Both longitudinal control (speed) and lateral control (steering) in ICC will be disabled, and will remain inactive until the driver manually reactivates the ICC system.

Exiting ICC

The following methods can be used to deactivate and exit (turn off) the ICC system:

- Press brake pedal to deactivate ICC.
- Press the Cruise button to exit or turn off the ICC system.

Intelligent Cruise Control (ICC) relies on the proper functioning of other vehicle systems, such as the Electronic Stability Control (ESC). If any of these systems become inactive or malfunction, ICC will automatically deactivate.

In the event of automatic deactivation, an audible alert will sound, and a message will appear on the meter instrument display.

The driver must intervene and take control of vehicle to maintain a safe speed and proper distance from the vehicle ahead if the ICC system becomes unavailable.

ICC functionality may be temporarily disabled under the following reasons including but not limited to:

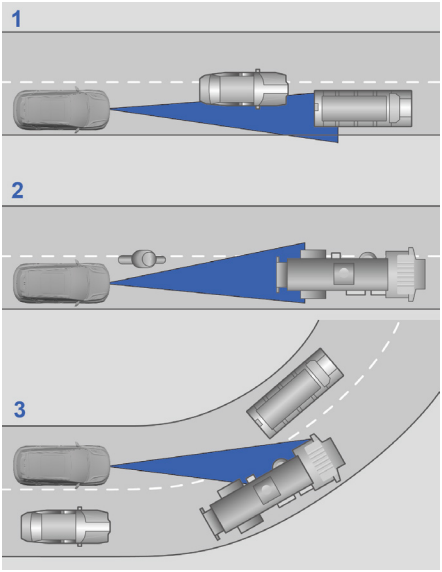
- Any door, hood or tailgate is opened.
- Driver’s seat belt is unfastened
- The wheels losses roadholding.
- The EPB brake system performance is degraded or faulty.
- Parking brake is applied
- Front camera is covered by wet snow or heavy rain.

- The ESC system is not functioning or turned off (ESC SPORT).

Detection Problems

The detectability of front camera is limited. In some cases, the front camera may fail to detect vehicles or delay the detection of vehicles.

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. If the preceding vehicle is a large truck or lorry, 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 preceding vehicle may occur.

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

The detection range of the front camera is limited. In certain situations, the front camera may fail to accurately detect lane line markings and is susceptible to interference from surrounding conditions.

Lane detection issues may occur under the following circumstances:

- Lane lines are not constructed according to the national standards and cannot be recognised.
- Lane lines markings have low clarity or insufficient contrast with the road surface.
- The lane lines markings are obscured by sand, water, snow, or other debris, preventing accurate recognition.
- During rainy or snowy weather, high contrast elements such as tyre tracks or brake marks from preceding vehicles may be misidentified as lane lines.
- Road edges, kerbs, or other boundary features may be mistakenly detected as lane lines.
- Shadows on the road that resembles lane line shapes, such as those cast by railings, may be incorrectly recognised as lane markings.

Lane Keep Assist (LKA)*

The Lane Keep Assist (LKA) system operates within a speed range of 60 km/h to 180 km/h.

Using the front camera, LKA detects lane line markings, kerbs, and oncoming vehicles. LKA also calculates the distance between this vehicle and both the left and right lane boundaries, as well as approaching vehicles in adjacent lanes.

When the system detects that this vehicle is unintentionally deviates from its lane or there is a risk of collision with a vehicle in adjacent lane, LKA provides corrective steering assistance to help the vehicle to remain within the lane.

In certain situations, it may also prompt a visual or audible warning to remind the driver to keep the vehicle in the lane.

The LKA system comprises three functions:

- Lane Departure Warning (LDW)
- Lane Departure Prevention (LDP)
- Lane Centering Control (LCC)

These features work together to prevent lane departure, mitigate collision risks, and support safe lane positioning during highway or expressway driving.

LKA operates at up to maximum speed of 180 km/h. The driver is responsible to maintain safe driving speed in accordance with road conditions and road speed limits. ◀

When the vehicle is on (engine start), LKA will start self-check, and this function is not available at this moment. ◀

Make sure the front camera surface is clean. Dirty front camera, bad weather conditions and fading lane lines may affect the performance of LKA. ◀

LKA is only suitable for the use on expressways, urban main roads or elevated roads with clearly marked lane lines. The driver must remain alert and fully responsible for vehicle control at all times.

While using the LKA, the driver must keep both hands on the steering wheel, continuously observe the road ahead, and monitor surrounding traffic.

Do not use LKA in urban streets, construction areas, narrow paths, or roads where cyclists or pedestrians may be present.

Do not rely on LKA to determine the appropriate driving route. The driver must be ready to intervene immediately whenever required.

Failure to adhere to these instructions may lead to serious injury, fatality, or significant property damage. ◀

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 both already happened or imminent lane departure.

Lane Departure Prevention (LDP)

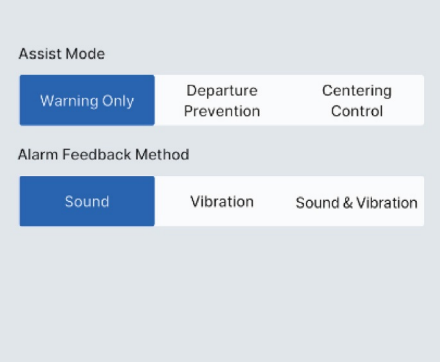
As for lane departure prevention (LDP), when the vehicle approaches lane lines and there is a risk of deviation, LDP will assist the driver to control the vehicle back into the lane by applying torque to the steering wheel.

Lane Centering Control (LCC)

The lane centering control (LCC) will assist the driver in controlling the vehicle to stay in the middle of the lane by applying torque to the steering wheel.

LCC requires simultaneous detection of both the left and right lane line markings to function effectively.

Function Selection



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Lane Keep Assist (LKA)***, and select to enable or disable the lane keep assist function in this interface.

When LKA is enabled, the LKA status indicator on the meter instrument display will turn on in green.

Assist Mode selection:

- **Warning Only:** only lane departure warning (LDW) function is turned on.
- **Departure Prevention:** lane departure prevention (LDP) and lane departure warning (LDW) functions are turned on.
- **Centering control:** lane centering control (LCC) and lane departure warning (LDW) functions are turned on.

The driver can select the alarm feedback method as following:

- **Sound:** the buzzer makes a sound to warn the driver.
- **Vibration:** the steering wheel vibrates to warn the driver.
- **Sound And Vibration:** both the buzzer makes a sound and the steering wheel vibrates to warn the driver.

LKA will retain the settings selected by the driver. ◀

Meter Instrument Display

Due to limitation of front camera performance, the curvature of lane line may be detected and displayed inaccurately, for example straight road is displayed as curved road. ◀

LKA will show the information of system working status on the meter instrument display.



1 - LKA Status Indicator

2 - Lane Line

LKA Status Indicator

When LKA function is activated, the LKA status indicator (1) lights up in green.

When LKA has any failure, LKA status indicator (1) lights up in yellow.

The LKA status indicator (1) will turn off when the LKA functions is turned off or disabled.

Lane Line

When LKA does not detect the lane line, the lane line (2) image are not displayed.

When LKA is not enabled (turn off), the lane line (2) will be displayed in grey.

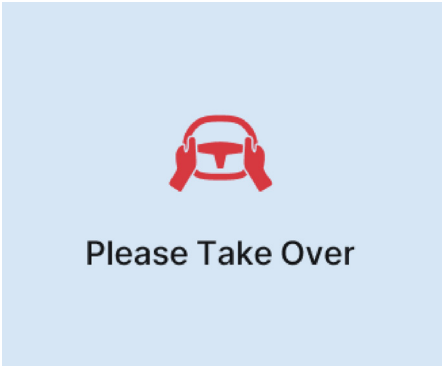
When LKA system is on standby mode, the lane line (2) are displayed in white.

When the lane departure warning is activated, the lane line (2) are displayed in red.

When LKA is intervened by the steering wheel torque (driver turns the steering), the lane line (2) are displayed in blue.

Steering Release Warning

The LKA system operates only when the driver maintains both hands on the steering wheel. The system continuously monitors and if no hands are detected holding the steering wheel for a certain period, a warning will be displayed on meter instrument as reminder to the driver.



If the driver does not responded for a prolonged period, LKA will automatically be deactivated.

When both hands are detected holding the steering wheel, the reminder displayed on meter instrument will disappear, and the LKA will resume normal operation. ◀

Abnormal tyre pressure, incorrect wheel alignment, mismatched tyres, or unsuitable tyre models may affect the performance of LKA. Driver should only use LKA when the vehicle is in proper operating condition. ◀

System Limitation

Under the following road conditions, the performance of LKA may be reduced or fail to operate. The driver must remain

alert and ready to take control of the vehicle:

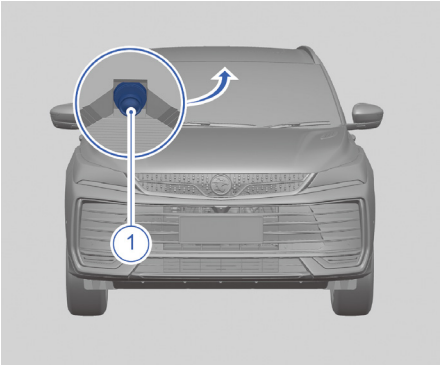
- Roads with a very small curve radius.
- Roads with invisible, faded, or missing lane line or markings.
- Road intersections areas.
- Roads with vehicle marks, such as tyre tracks or marks.
- Roads where the number of lanes increases or decreases suddenly.
- Roads where there is a significant difference between the original and new lane (e.g. road widening or temporary diversions).
- Roads or pavements with potholes, bumps, or surface undulations.
- Construction zones, where the LKA system cannot detect temporary road signs such as cones.
- Ultra-wide or ultra-narrow road size, which fall outside system detection parameters.
- Roads where lane lines turn sharply or highly winding roads.
- Adverse weather conditions with reduced visibility, such as fog, heavy rain, or snow.
- The visual field of front camera shall not be blocked by pollutants, eg., if it is completely covered by snow, LKA will deactivate and meter instrument will prompt the exit message.
- The installation of front camera may affect LKA performance due to vibration or impact. It is necessary to recalibrate the front camera.

Autonomous Emergency Braking (AEB) System*

The autonomous emergency braking (AEB) system continuously monitors the distance and relative speed of objects in front of the vehicle.

In case of late braking, insufficient braking force or no braking action at all by the driver, the system will prompt warning and apply brakes to assist the driver to avoid or mitigate the collision.

The sensor used by the autonomous emergency braking (AEB) system is:



1 - Front Camera

- No automatic system can guarantee full functionality in all driving conditions. Do not intentionally drive the vehicle toward people or objects to test the AEB performance. Otherwise, it may cause traffic accidents and serious casualties.
- This system is an assistive feature only and may not detect all pedestrians or vehicles in every

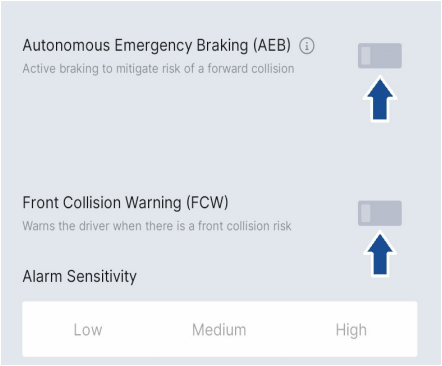
situation. The driver remains fully responsible for safe driving and must maintain a safe following distance.

- The system can only provide warnings and limited braking assistance. The driver must remain alert at all times, maintain full responsibility for safe vehicle operation, and comply with all applicable traffic laws and regulations.
- For safety reasons, the system will not operate if the driver's seat belt is not fastened.
- The AEB system typically operates in the background unnoticeable by the driver. When a potential hazard is detected, the system may prompt a warning or apply braking to help protect the occupants. Due to inherent system limitations, false triggers may occasionally occur. The driver must remain vigilant and aware of the surroundings at all times, and ready to take control of the vehicle when necessary.
- The front camera may not reliably detect hazardous obstacles ahead in all situations. Adverse weather conditions such as rain, snow, fog, and etc., can significantly reduce system performance. In such cases, certain objects may not be detected or being detected too late for the system to respond effectively.
- The system does not respond to animals, small vehicles (e.g. tricycles), or vehicles with irregular appearances, such as oversized vehicles, tractors, trailers, mud trucks, sanitation vehicles, and sprinklers. Additionally, the system cannot detect or respond to oncoming or crossing vehicles.
- For safety reasons, AEB system requires the support of ESC system. The AEB system will not operate when the vehicle is stationary, parked, or if the driver chooses to turn off the ESC system manually.
- If the vehicle experiences a strong impact or significant vibration, the position of the front camera may shift, potentially leading to reduced system performance. In severe cases, the system may display a fault warning via the AEB status indicator. Go to an authorised PROTON service outlet for inspection as soon as possible.
- To ensure optimal performance, keep the outer surface of the front camera clean. A dirty or obstructed camera can degrade system functionality and, in severe cases, may cause the AEB system to malfunction.
- The system may occasionally apply unnecessary braking in complex driving environments. This may occur when driving through construction areas, over railway tracks, on roads with manhole covers, in underground parking structures, or in situations where water spray or splashing occurs in front of the vehicle.
- Even when the system successfully

detects a target, its performance may vary due to differences in vehicle types, pedestrians, surrounding environments, and road conditions. As a result, the system may not always perform consistently in all situations.

- If the driver intervenes by pressing the accelerator pedal or taking steering control during autonomous emergency braking event, the system will cancel the braking operation, even if a collision cannot be avoided.
- During autonomous braking, the driver may need to apply greater force to the brake pedal if manual braking is required.
- Strong sunlight, reflected light, and extreme light contrasts may make it difficult for the driver to see visual warning signals and can also affect the front camera's detection capabilities.
- The field of view of the front camera is limited. In certain situations, the system may detect vehicles or pedestrians later than expected, or may fail to detect them entirely.
- To ensure proper operation of the system, keep the area around the front camera clean at all times. Do not place or attach any objects in front of or near the camera, as this may interfere with its function and cause the system unable to operate properly.
- The performance of AEB system may be reduced or unavailable if the front camera is obstructed or its functionality is limited by dirt, debris, or environmental factors.
- On wet or slippery roads, braking distances are significantly increased, which can reduce the AEB collision mitigation performance.
- Additionally, if the interior temperature becomes excessively high, the front camera may temporarily shut down, and the system may fail to issue warnings during this period.
- AEB is not active at low vehicle speeds. Therefore, the system will not apply braking when this vehicle is approaching a vehicle or pedestrian at low speed, such as during parking manoeuvres. ◀

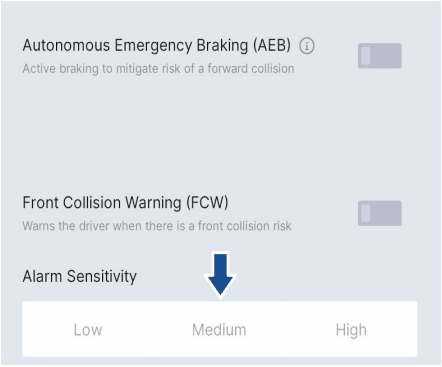
Function Selection



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Autonomous Emergency Braking (AEB)***, and select to enable or disable the AEB and FCW function in this interface.

The AEB system (consist of AEB and FCW functions) is a safety feature enabled by default with each ignition cycle. Once AEB is enabled, the front collision warning function can also be enabled, and the desired sensitivity level may be selected in this interface. The selected sensitivity setting is automatically stored, so drivers do not need to reconfigure it each time they start the vehicle.



The alarm sensitivity has three levels:

1. **Low sensitivity:** indicates a shorter alarm distance and the alarm time is relatively late (FCW will prompt warnings when very close to the potential hazard).
2. **Medium sensitivity:** indicates a moderate alarm distance and the alarm time is between low and high.
3. **High sensitivity:** indicates a far alarm distance and the alarm time is relatively early (FCW will prompt warnings earlier, at a greater distance from the obstacle).

If the alarm triggers too frequent, consider selecting a lower sensitivity setting to reduce the number of warnings.

Function Types

When the AEB system detects a danger, it will assist the driver in the following ways:

- **Safe Distance Warning**
  This function operates when the vehicle speed reaches 65 km/h or higher during the non-emergency situations. It alerts the driver when the following distance to the vehicle ahead becomes insufficient and need to adjust driving behavior to maintain a safe and reasonable distance.
- **Front Collision Warning (FCW)**
  When the vehicle speed reaches 30 km/h or higher, the system will continuously assess the potential collision risk and alert the driver through audible or visual warnings on the instrument meter display if a threat is detected.
- **Emergency Brake Assist (EBA)**
  When the vehicle speed is at 30km/h or higher, if the system detects that the driver's braking input is insufficient in a hazardous situation, it will automatically provide additional braking force to help reduce the risk or severity of a collision.
- **Automatic Emergency Braking**
  If the driver fails to apply effective braking in critical situation, the system will intervene and initiate automatic emergency braking to avoid or mitigate collision. This function is capable to reduce vehicle speed up to 60 km/h, depends on the situation.

Function Activation

Vehicle Collision Mitigation Assist

The vehicle collision mitigation assist can avoid or mitigate the collision with other vehicles ahead.

Main application scenario: This vehicle straight rear-end collision to other vehicle at front.



When FCW function detects a collision risk, it alerts the driver with a graphical and textual warning, accompanied by an audible alarm through meter instrument display to warn the driver of an imminent collision and prompting the driver to brake in time.

Pedestrian Collision Mitigation Assist

The pedestrian collision mitigation assist can avoid or mitigate the collision with pedestrians in front of this vehicle.

Main application scenes: Pedestrians crossing a road in front of this vehicle.

This pedestrian pre-warning function alerts the driver on the potential collisions with pedestrians by providing an audible warning and a graphical prompt through meter instrument display. This early warning helps the driver react in time to reduce the risk of a collision.



This function operates within a speed range of 5 ~ 80 km/h.

The AEB system may become unavailable or fail to operate correctly if the front camera is obstructed or its detection capability is reduced due to adverse environmental conditions and system limitations. ◀

Target Detection

AEB can detect such obstacle targets as passenger cars, trucks (lorry), buses and pedestrians.

Vehicles

AEB can detect most vehicles that are stationary or running in the same direction as this vehicle.

Vehicles can only be detected within a certain range at night when the front combination lamps are functioning and properly turn on.

Pedestrians

The system can only function effectively when it detects a complete and clearly defined pedestrian shape. This requires accurate recognition of key human body features such as the head, shoulders, arms, torso, thighs, and legs, in conjunction with typical human movement patterns.

Pedestrian detection also relies on visual contrast between the pedestrian and the surrounding environment. For example, detection is more reliable when the pedestrian's clothing colour contrasts sharply with the background. If the contrast is low, the system may delay in detection or fail to detect the pedestrian altogether, which can result in delayed or absent warnings and braking intervention

The system may not detect pedestrians who are partially obscured, wearing shape-concealing clothing, shorter than 0.8 metres, or carrying large objects that distort their silhouette. In such cases, system intervention and automatic braking may not be triggered.

Meter Instrument Indicator

When the AEB system is manually deactivated, the AEB OFF indicator will illuminate on the meter instrument.

If the system experiences a malfunction, the AEB failure warning light will illuminate on the meter instrument to alert the driver of the issue.

Contact an authorised PROTON service outlet for inspection as soon as possible.

Front Departure Alert (FDA)*

The front departure alert (FDA) function uses the front camera to monitor the status of the vehicle ahead. When the preceding vehicle in front is detected has moved a certain distance forward, FDA will notify the driver via prompt message and audible alarm if this vehicle still has not begun to follow or the driver does not initiate to move the vehicle (by pressing acceerator pedal).

- The FDA function is an auxiliary driver assist feature and it can not replace the driver's visual monitoring and decision making on the traffic conditions. The driver remains fully responsible for operating the vehicle safely at all times.
- The detection performance of the front camera may be affected by various factors such as complex traffic situations, road layout, adverse weather conditions, and low visibility environments. Under such conditions, the FDA function may fail to detect the preceding vehicle or detect it inaccurately, and the FDA function may not activate or provide alerts. ◀

Function Activation

Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Intelligent Reminder***.

In this interface, select to turn on or turn off the front departure alert (FDA) function.



Function Limitation

In the following situations, the front departure alert function may not be triggered, including but not limited to:

- Pedestrians, bicycles, motorcycles, etc. are detected in front of this vehicle.
- There are no vehicles directly ahead to be monitored.
- The gear is not in the Drive (D) position.
- The preceding vehicle is at a considerable distance, exceeding the function's detection range.
- The stopping duration between the preceding vehicle and this vehicle is too short for the FDA function to trigger an alert.
- The front camera is obscured (e.g. by dirt, snow, or fog) or its detection performance is limited due to environmental factors.

Traffic Sign Information (TSI) System*

The traffic sign information (TSI) system uses the front camera to identify road traffic sign, such as speed limits and selective prohibitory signs.

The detected road sign information is then displayed on the meter instrument display in real time to inform the driver.

If the vehicle exceeds the detected speed limit of the current road, the system will issue a timely warning to assist the driver in maintaining compliance with traffic regulations and supporting safe driving.

When the vehicle is powered on (engine start), TSI will start self-check, and this function is not available during this stage. ◀

Speed Limit Reminder



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Intelligent Reminder***, and select to turn on or turn off the speed limit reminder function in this interface.

Display of Speed Limit Sign



After this vehicle passes a speed limit sign, the meter instrument will display the speed limit value and last after a certain distance.

If the traffic speed limit sign is unclear, distorted, tilted, irregular in shape, partially blocked, or covered, the recognition performance of the front camera may be degraded. This can result in misrecognition or the sign being unrecognisable by the system. ◀

In the presence of non-standard traffic signs or unconventional sign placements, the system may misinterpret them as speed limit signs, potentially leading to false identification. ◀

Speed Limit Warning

Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Intelligent Reminder***, and select to turn on or turn off the speed limit warning function in this interface.



If the speed limit warning function is enabled, when the vehicle speed exceeds the detected speed limit value by 5 km/h, the system will trigger an overspeed warning.

This warning is indicated by the speed limit sign flashing three times on the meter instrument, accompanied by a “Ding” sound.

If the speed limit warning function is disabled (while the speed limit reminder functions are still enabled), the visual alert (speed limit sign blink 3 times) will still occur, but no audible sound will be triggered.

The speed limit warning function serves only as a reminder to inform the driver of the detected speed limit. The driver remains fully responsible for actively controlling the vehicle's speed in accordance with traffic laws and road conditions. ◀

Traffic Sign Detection

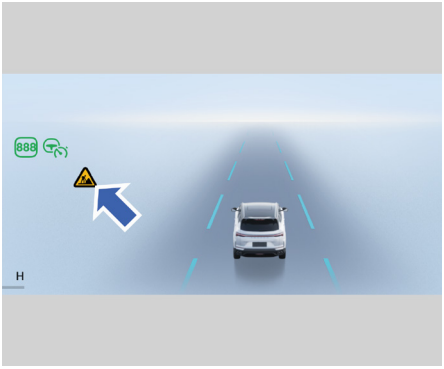
Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Intelligent Reminder***, and select Traffic Sign Detection to turn on or turn off the TSD function in this interface.



Currently, this function is capable of recognising and displaying a limited set of traffic signs on the meter instrument display to assist the driver.

The recognisable signs include, but are not limited to: No Overtaking, End of No Overtaking, Children Crossing, and Road Construction signs.



- The TSD function is influenced by factors such as the field of view of the front camera, the relative positioning between the camera and the traffic sign, and vehicle speed. As a result, traffic signs may be incorrectly identified or not detected. Therefore, drivers should not rely solely on this function to determine appropriate driving behaviour.
- If a traffic sign or speed limit sign is unclear, distorted, tilted, irregular in shape, partially obstructed, or covered, the front camera's recognition performance may be degraded, potentially resulting in misidentification or failure to detect the sign.
- When vehicle positioning accuracy is affected (e.g. by GPS signal loss or road complexity), auxiliary road traffic signs may be erroneously displayed while driving on the main road.
- The presence of non-standard or unusually positioned signs may lead to them being incorrectly identified as valid traffic signs, resulting in false recognition. ◀

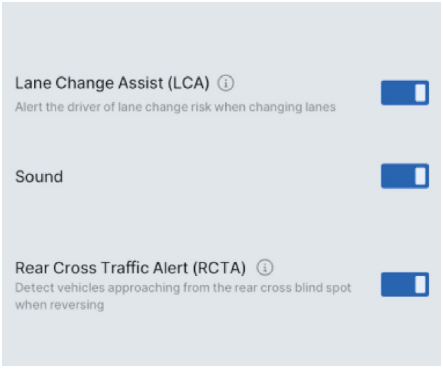
The prohibition information for No Left Turn is displayed to the driver only when the left turn signal is activated. Similarly, No Right Turn and No U-turn prohibition information is displayed only when the right turn signal is activated. ◀

Rear Side Radar System (RSRS)*

The Rear Side Radar System (RSRS) detects areas to the rear and sides of the vehicle using medium-range radar sensors located on both sides of the rear bumper.

The radar support the functions of Lane Change Assist (LCA), which includes the blind spot monitoring system, as well as Rear Cross Traffic Alert (RCTA), Rear Collision Warning (RCW), and Door Opening Warning System (DOW).

When the vehicle is powered on, the rear side radar assist system will start self-check, and the system function is not available during this stage. ◀



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ADAS → Rear Side Radar System (RSRS).

Choose to enable or disable the functions required in this interface. The enable or disable state of all functions remain as the previous setting.

The system enhances driving safety by providing warnings through various methods, including illumination or flashing of the blind spot detection indicator on the exterior rearview mirrors, prompts visual message on the meter instrument, including audible alerts, and flashing of the hazard warning lights (when necessary).

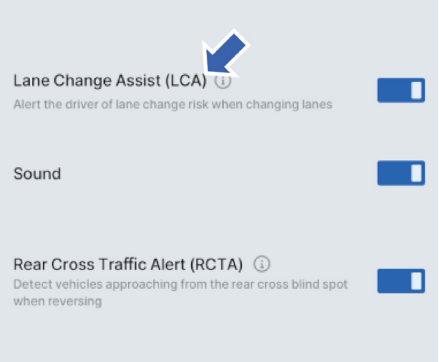
When the vehicle is powered on or engine started, the blind spot detection (BSD) status indicator in the meter instrument will illuminate in green, indicating that the system is operating normally. If the indicator illuminates in red, it signifies a system malfunction.

- Please keep both sides of rear bumper surface clean.
- This system is only for driver assist, and it cannot replace the driver's safe driving.
- Do not dismantle or exchange the rear side medium-range radar. ◀

Lane Changing Assist (LCA)

The lane change assist (LCA) function covers the blind spot area and the rear side area with fast approaching vehicles, to assist and warn the driver against blind spots and rear approaching vehicles when driving, especially when turning or changing lanes.

LCA function works when changing lane with the vehicle speed range of 15 to 150 km/h.

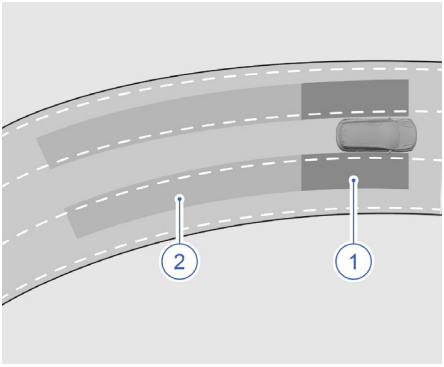


Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***ADAS*** → ***Rear Side Radar System (RSRS)***.

Select the *Lane Change Assist (LCA)* to turn on or turn off this function.

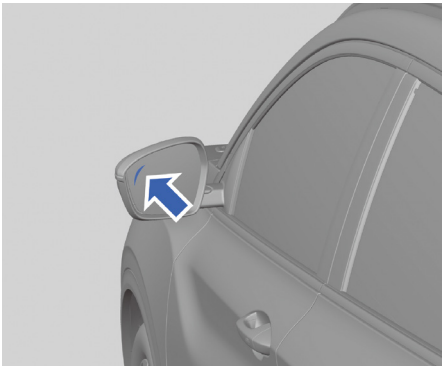
Select the *Sound* to enable or disable the audible warning for blind spot detection in this interface.



1 - Blind spot area
2 - Rear side area with fast approaching vehicles

When the blind spot warning is triggered, the blind spot detection indicator lamp on the door mirror will illuminate or flash.

If both the indicator and audible warning functions have been enabled in advance at the multimedia display settings, the system will also emit a sound alert.



Blind Spot Detection Indicator Lamp

In certain situations, the LCA function may not operate as intended. These situations may include, but are not limited to:

- In bad weather such as rain or snow.
- It does not work on stationary targets.
- It does not work on pedestrians and bicycles.
- Driving on sharp bends or steep slopes.

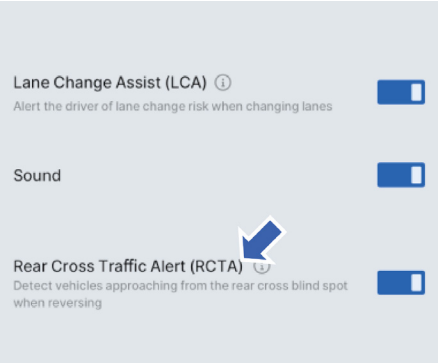
Rear Cross Traffic Alert (RCTA)

The Rear Cross Traffic Alert (RCTA) function uses rear side medium range radar to monitor approaching objects.

If a potential collision is detected with vehicles, motorcycles, bicycles, pedestrians, or other rear cross-traffic, the blind spot detection indicator lamp on the corresponding door mirror (exterior rearview mirror) will illuminate or flash.

The RCTA function will also alert the driver

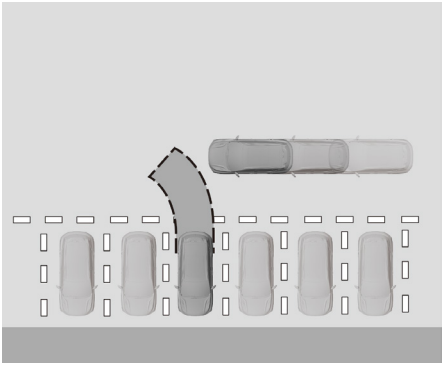
through audible warnings and visual alert, prompting timely driver response to mitigate the risk of rear side collision when reversing or reverse parking out process.



Select the following on the multimedia display screen in sequence:

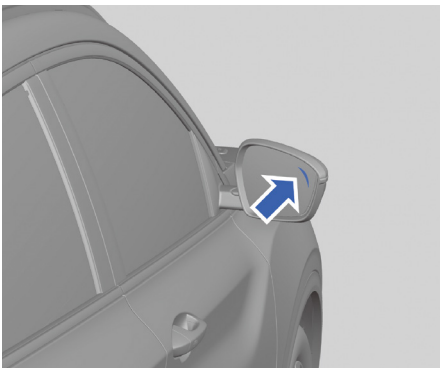
Vehicle Settings → ADAS → Rear Side Radar System (RSRS).

Select the *Rear Cross Traffic Alert (RCTA)* to turn on or turn off this function.



This function operates during low-speed reversing. When a potential collision is detected, RCTA provides the driver with a visual warning (danger alert via the blind spot detection indicator on the corresponding door mirror) and an audible warning (alert from multimedia interface).

This helps prevent collisions with crossing traffic when reversing or leaving a parking space.



Blind Spot Detection Indicator

The rear cross traffic alert is a driver assistance feature. Its warning timing can be influenced by various factors, including vehicle speed, obstacle type, distance to obstacles, driving environment, system response delays, etc. As a result, warnings may be delayed, missed, or inaccurate. This function is not a substitute for the driver's attention and judgment. Always drive with caution and remain aware of your surroundings. ◀

Rear Collision Warning (RCW)

The rear collision warning (RCW) function monitors traffic behind the vehicle.

When a vehicle is detected rapidly approaching from the rear or behind this vehicle, the hazard warning lights will automatically turn on (flash) which will alert and remind the approaching vehicle's driver to slow down or maintain a safe distance.



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ADAS → Rear Side Radar System (RSRS).

Select the *Rear Collision Warning (RCW)* to turn on or turn off this function.



The rear collision warning function works in the Park (P), Neutral (N), or Drive (D) gear position, and the vehicle does not slip backwards nor in reversing state.

The detection of the rear approaching targets includes the following targets :

- Four-wheeled vehicle
- Two-wheeled vehicle (Detection performance may not be guaranteed)

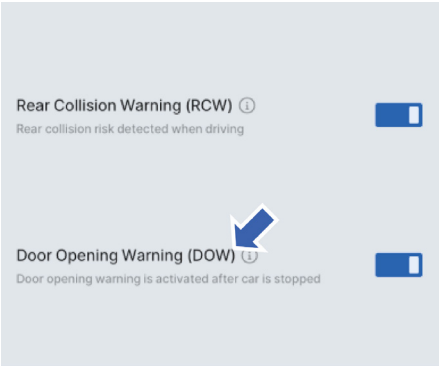
In some situations, RCW function may not operate effectively. These include:

- When the vehicle approaching from behind suddenly change its lane (at last minute).
- When detection is delayed due to road conditions, such as sharp bends or ramps.
- When the relative speed between the approaching vehicle and this vehicle exceeds 72km/h or is less than 10km/h.

Rear collision warning function cannot avoid collision. The driver should pay attention to the warning and take necessary actions accordingly to ensure safe driving. ◀

Door Opening Warning (DOW)

When this vehicle is stationary or moving at low speed, the door opening warning (DOW) function will use rear side medium range radar to detect the approaching moving object from the rear left side and rear right side areas.



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ADAS → Rear Side Radar System (RSRS).

Select the *Door Opening Warning (DOW)* to turn on or turn off this function.

If there is a potential collision risk when opening the door, the blind spot detection indicator on the door mirror will illuminate or flash, accompanied by an audible warning to alert the driver to the danger.

The detection of the rear approaching targets includes the following targets :

- Four-wheeled vehicle
- Two-wheeled vehicle
- Running pedestrians (Detection performance may not be guaranteed)

In some situations, DOW function may not operate effectively. These include:

- Adverse weather conditions such as rain or snow.
- Vehicles that are approaching or leaving at high speed or too slow.
- Rear vehicle that approach this vehicle after changing lanes from the adjacent lane.
- Situations involving sharp bends, ramps, or similar road conditions.
- When detecting smaller targets, such as pedestrians or cyclists.
- When detecting stationary or slow-moving objects.

After the ignition switch is OFF (turn off the engine) for 3 minutes or the vehicle is locked and powered off, the DOW function will stop working. ◀

Intelligent High Beam Control (IHBC) System*

The intelligent high beam control (IHBC) system can automatically switch between high and low beams at night. Using information from the front camera, the system adjusts the headlamp light setting based on ambient light and the presence of other vehicles, either ahead of this vehicle or approaching from the opposite direction.

In general, IHBC will automatically switch from high to low beam when it detects the lights from the headlamp of the oncoming vehicles, the lights from the rear lamp of preceding vehicles, or other significant surrounding light sources, in order to prevent glaring or blinding other road users.

Once this vehicle has complete overtake other vehicle, and no other vehicles or ambient light sources are detected nearby, IHBC will switch the headlamp back to high beam.

Turn ON IHBC



Light and Wiper Combination Lever

After the exterior light is set to **AUTO** in the multimedia unit display, push the light and wiper combination lever to **A** direction (towards ≣Ⓐ) :

- First push: turn ON the high beam.
- Second push (to the farthest notch): turn ON or enable the IHBC system.

At night, after the front combination lamps automatically turn on, IHBC will be activated automatically.

After IHBC is activated, the system will turn on the high beam automatically if the following conditions are met:

1. Vehicle speed is 40 km/h or higher.
2. Relevant traffic participants or other light sources are not detected.

If any of the following conditions are met, IHBC system will automatically switch to or turn on the low beam:

1. Vehicle speed is less than or equal to 25 km/h.
2. Relevant road users or other light sources are detected.

When the IHBC activates the high beam and the vehicle speed remains between 25 to 40 km/h, the high beam will stay on until a light source is detected. Once a light source is detected, the IHBC will automatically switch to low beam. ◀

Meter Instrument Display

When IHBC controls the high and low beams of the vehicle's headlamps, IHBC status indicator will turn on in white. If IHBC has failure, IHBC status indicator will turn to yellow.

When the driver manually activates the high beams using the light control switch at the light and wiper combination lever, the driver's selection takes priority over the IHBC system. ◀

IHBC is an additional feature of the lighting system, intended for use primarily on the high-speed roads such as highways or motorways. However, it does not replace the driver's responsibility. The driver should always manually switch between high and low beams as required, in accordance with road traffic regulations and actual driving conditions. ◀

In the following situations, IHBC may not function or may operate only to a limited extent. Driver intervention may be required:

- Under bad weather conditions such as rainstorm, heavy snow or heavy fog, which significantly impair visibility and driving safety.
- When road users such as pedestrians or cyclists are poorly illuminated, or in areas near railways, waterways, or where wild animals may be present.
- In environments with strong reflective surfaces, such as highly reflective traffic signs on motorways/highways.

- When the front windshield is covered with fog, dirt or covered by labels and ornaments. ◀

Turn OFF IHBC

When IHBC is enabled, pull the light and wiper combination lever (towards driver) to turn off IHBC manually :

- First pull: flash the high beam.
- Second pull (to the farthest notch): turn OFF or disable the IHBC system.

When IHBC is off, each pull of the light and wiper combination lever (towards driver) will only flash the high beam.

Driver Assist System

Service Brake

While driving, the actual braking distance will vary depending on road conditions, vehicle weight, and the amount of braking force applied. Always maintain a sufficient distance from the vehicle ahead, and avoid cadence braking or sudden braking (emergency stops).

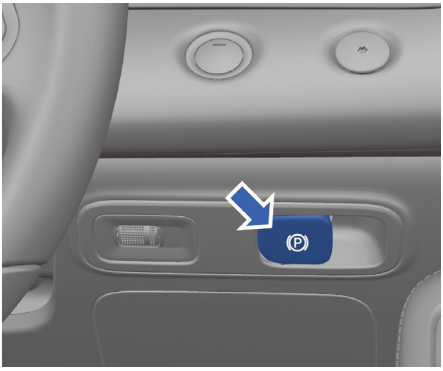
Do not add non-original accessories to avoid affecting vehicle performance and increase risk of traffic accidents. ◀

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

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

Parking Brake

Electric Parking Brake (EPB)



EPB switch with EPB switch indicator

EPB Manual Release

When the ignition switch is at ON position, press and hold the brake pedal, and at the same time press down the EPB switch to release the parking brake. The EPB switch indicator and EPB status indicator Ⓟ on meter instrument will turn off.

EPB Automatic Release

Start the engine. The EPB switch indicator and EPB status indicator Ⓟ on meter instrument will illuminate.

Close the door, fasten the seat belt, put the gear shift lever into the drive (D) position and then gently press the accelerator pedal to automatically release the EPB. The EPB switch indicator and EPB status indicator Ⓟ will turn off.

EPB Manual Parking

Pull up the EPB switch when the vehicle is stationary to manually engage the electric parking brake, and the EPB status indicator on meter instrument will turn on.

Once the electric parking brake is engaged (activated), the EPB status indicator lamp Ⓟ on the meter instrument display will turn on. If the indicator lamp does not light up, contact an authorised PROTON service outlet for inspection as soon as possible. ◀

EPB Automatic Parking

EPB will automatically engage the parking brake when the ignition switch is set to OFF position (turn off engine) or when using P button to switch gear to park (P) position.

Disabling EPB Automatic Parking Function (Vehicle Wash Purpose)

In certain situations (such as when washing vehicle), you can disable the EPB automatic parking function by following these steps:

1. Press down and hold the EPB switch to release EPB before turning off the engine.
2. Continue holding the EPB switch while simultaneously turning off the engine by pressing the ignition switch to the OFF position.

This will prevent the vehicle from automatically engaging the parking brake.

EPB Manual Emergency Braking*

If an emergency occurs while the vehicle is running, you can pull up the EPB switch continuously to activate the emergency braking function. Release the EPB switch to terminate the emergency braking.

During normal driving, do not use the EPB switch for manual emergency braking. If EPB is used repeatedly to slow down the vehicle, the brake system may be severely damaged. ◀

- If the EPB status indicator lamp Ⓟ in the meter instrument lights up after the EPB automatic parking function or AUTO HOLD function is disabled, this indicates that the electric parking brake system has a failure. Contact an authorised PROTON service outlet for inspection.

- If the electric parking brake system cannot be engaged, the rear wheels should be manually locked, for example by placing a wheel chock or a brick against the tyre to prevent vehicle movement, when necessary. ◀

Improper use of the electric parking brake system may cause casualties. Engage the EPB manual emergency braking function only in the event of an emergency. ◀

When the EPB is released, the vehicle will lose its parking function. To avoid vehicle damage and serious injury, do not perform this operation on slopes. ◀

To move the vehicle when using the automatic car washing facility, move the gear shift lever to neutral (N) position and manually release the EPB. ◀

Auto Brake Hold (ABH) AUTO HOLD

Auto Brake Hold (ABH) or also known as AUTO HOLD function maintains the vehicle position when the driver steps on the brake pedal to stop.

The braking force will be automatically maintained, so the driver does not need to continuously pressing the brake pedal during temporary stops, such as at traffic lights or in congestion.

When the driver steps on the accelerator pedal to resume driving, the braking force will be automatically released.

Under certain condition, vehicle may move even with ABH is activated. ◀



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***Driving***

Under the ***Driving Assistance*** section, select to enable or disable AUTO HOLD function in this interface.

When the AUTO HOLD is turned ON (enabled), the ABH status indicator on the meter instrument display will lights up in green indicating that the AUTO HOLD function is on standby mode.

AUTO HOLD Activation

The AUTO HOLD function activates when several conditions are met, provided it has already been enabled:

- Driver's door must be closed.
- Driver's seat belt is securely fastened.
- Engine must be started.
- Gear shift lever must be in a position other than park (P) and reverse (R).

Once these conditions are fulfilled, pressing the brake pedal (until vehicle

complete stop) will activate the AUTO HOLD function. The ABH status indicator on the meter instrument display will lights up.

AUTO HOLD Deactivation

Lightly press the accelerator pedal to deactivate AUTO HOLD function and the parking brake will automatically release.

The ABH status indicator at meter instrument display will stay on, and the EPB status indicator lamp will turn off, indicating that AUTO HOLD is back to standby mode.

AUTO HOLD force exit

If the AUTO HOLD function is active, any of the following conditions will cause it to deactivate and turn off (force exit):

- Unfasten the driver's seat belt
- Open the driver door
- Set the ignition switch to OFF position (turn off engine)

The ABH status indicator at meter instrument display will turn off, and the EPB status indicator lamp will turn on in red, indicating that EPB has been engaged.

Anti-lock Braking System (ABS)

This vehicle is equipped with an anti-lock braking system (ABS) to help prevent the wheels from locking when maximum braking force is applied. This enhances steering control during emergency braking on most road surfaces.

Braking distances will be longer on rough, gravel-covered, or snowy roads compared to normal road surfaces. ◀

When braking, you may feel or hear a continuous "*cluck*" sound from the engine compartment and feel a vibration through the brake pedal. This is a normal result of the ABS system operating.
Once the ABS is no longer active, brake pedal feel will return to normal. ◀

Electronic Brake Distribution (EBD) System

During braking, the electronic brake distribution (EBD) system will automatically adjust the braking force distribution between the front and rear axles. This improves braking efficiency and works alongside the ABS system to enhance stability, helping to ensure smooth and controlled vehicle operation.

Electronic Stability Control (ESC) System

The electronic stability control (ESC) system is an active safety technology that assists the driver to maintain control of the vehicle.

It detects vehicle body instability and assist to prevent accidents by applying braking force to the wheels individually or reducing engine or power torque, guiding the vehicle back onto the intended path or direction.

The ESC system is an auxiliary system (aid only) and does not

eliminate all risks. When driving on slippery or wet roads, please exercise caution and drive carefully. ◀

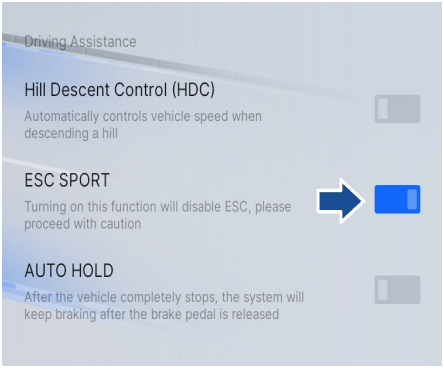
ESC system will be enabled by default when the vehicle is turned on. To keep control of the vehicle stability, the system should always be enabled.

When ESC is activated, the ESC status indicator will flash on the meter instrument. This also occurs when the traction control system is activated.

You may hear noise or feel vibration through the brake pedal. This is normal. Continue steering the vehicle in your intended direction.

If a failure within ESC system is detected, the ESC status indicator at meter instrument will be stay on and the system will not work as intended. In this case, driving style should be adjusted.

Disabling ESC Function (ESC SPORT / ESC OFF)



ESC is enabled by default. To disable ESC (ESC SPORT or ESC OFF), select the following on the multimedia display screen in sequence:

Vehicle Settings → ***Driving***

Under the ***Driving Assistance*** section, select to turn on the ESC SPORT function (mode) in this interface.

In ESC SPORT mode, the ESC status indicator on meter instrument display will turn off, while the ESC OFF indicator will illuminate.

In situations where traction force is limited, the ESC system can be turned off to allow better vehicle control. Examples include:

- Driving through deep snow or on soft, uneven road surfaces.
- Attempting to free the vehicle when it is stuck, such as in mud, by moving it forward and backward
- Driving with tyre chains fitted

Enabling ESC Function

Select to disable the ESC SPORT function through the multimedia display screen and ESC system will be enabled again.

Then, the ESC OFF indicator in the meter instrument display will turn off.

Brake Assist (BA)

During emergency braking, this function will increase the driver's braking force and reduce the braking distance.

The BA system only helps the driver increase braking force. However, it does not guarantee accident avoidance. Always maintain a safe distance and drive with carefully. ◀

Traction Control System (TCS)

TCS is used to prevent loss of traction on the driven wheels. When the system detects that the driven wheel is slipping, TCS will apply stabilizing torque or corrective brake at the driven wheel to reduce slipping and enhance vehicle stability.

Hill Hold Assist (HHA)

The Hill Hold Assist (HHA) function assists the driver in moving the vehicle smoothly on slopes.

When the brake pedal is released, HHA temporarily holds the brakes, giving the driver enough time to press the accelerator and move the vehicle forward, helping to prevent it from rolling backwards.

When starting on a slope, HHA maintains brake pressure for approximately two seconds after the driver releases the brake pedal, helping to prevent the vehicle from rolling.

HHA can be activated when the parking brake is fully released and the ESC system is functioning properly. ◀

HHA maintains brake pressure for a short time after the driver releases the brake pedal. If the accelerator pedal is not pressed or the EPB is not engaged within approximately two seconds, the vehicle may roll backwards. Therefore, always drive carefully when starting on the uphill. ◀

Hill Descent Control (HDC)

The hill descent control (HDC) function will actively applies the brake when driving downhill, helping the vehicle maintain a constant speed. This allows the driver to safely descend steep slopes with greater control.

- HDC serves only as a driver assistance feature. The driver remains fully responsible for vehicle safety and must stay aware of their surroundings at all times.
- On very steep slopes, HDC may not be able to maintain a constant speed. In such cases, the driver should control the vehicle's speed by pressing the brake pedal. ◀

Function Activation



Select the following on the multimedia display screen in sequence:

Vehicle Settings → ***Driving***

Under the ***Driving Assistance*** section, select to enable or disable Hill Descent

Control (HDC) function in this interface.



- HDC can only be activated when the vehicle speed is less than 35 km/h, and the system will automatically turn off HDC when the vehicle speed is higher than 60 km/h.
- HDC cannot be enabled and it will automatically disabled when the brake temperature is too high.
- If the HDC status indicator on the meter instrument does not light up or turns yellow when turning on the HDC function, it indicates that the HDC system cannot be activated. ◀

Electric Power Steering (EPS)

The electric power steering (EPS) system monitors driving speed and adjusts power assistance in real time. This ensures easier steering at low speed, improved stability at high speed and enhancing overall driving safety.

If equipped, the steering mode can be manually adjusted via the EPS Mode Switch in the multimedia display screen settings (under Driving Mode Linkage).

If steering becomes difficult or the EPS status indicator illuminates on the meter instrument, contact an authorised PROTON service outlet as soon as possible for inspection and maintenance.

Tyre Pressure Monitoring System (TPMS)*

The tyre pressure monitoring system (TPMS) uses tyre pressure sensors mounted on each wheel valve to continuously monitor tyre pressure. TPMS alerts the driver to check the tyre via illumination of the TPMS warning light indicator .

The tyre pressure monitoring sensors transmit real time data for each tyre, which is displayed on the meter instrument display.

TPMS warning light indicator will illuminate and remain on, accompanied by an alarm message on the meter instrument display when the following alarm is triggered:

- Low Tyre Pressure Alarm
  When low tyre pressure is detected, the low tyre pressure alarm will be activated. The TPMS warning light will turn off automatically once the tyres are inflated to the recommended cold tyre pressure.
- Sensor Failure Alarm
  When any sensor fault is detected, the TPMS sensor failure alarm will be activated. The TPMS warning light remains illuminated until the issue is resolved.
- TPMS Signal Abnormality Alarm
  When any failure related to TPMS signal is detected, the TPMS signal abnormality alarm will be activated. The TPMS warning light remains

illuminated until the issue is resolved.

- Multi-signal Alarm
  If the system detects low pressure in multiple tyres, the meter instrument will display alarm message in the order they are detected.
- High Tyre Temperature Alarm
  When high tyre pressure is detected, the tyre temperature value will be displayed in red. The TPMS warning light remains illuminated until the issue is resolved.
- Rapid Tyre Pressure Release Alarm
  When tyre pressure is detected reducing very fast, the rapid tyre pressure release alarm will be activated. The TPMS warning light remains illuminated until the issue is resolved.

If the TPMS warning light is illuminated, it indicates that one or more tyres have abnormal pressure.

Park the vehicle as soon as it is safe to do so, check the tyre pressure, and inflate the tyres to the recommended pressure.

This system only assists with detecting abnormal tyre pressure and does not replace regular tyre maintenance.

- The spare tyre is not equipped with a tyre pressure monitoring sensor.
- The recommended tyre pressure can be found on the tyre pressure label located on the upper outer side of the right centre pillar.
- Please check the tyre pressure regularly and ensure it remains within the specified range.
- The TPMS is unable to detect in advance on the sudden tyre damage caused by external factors (such as a blowout), nor can it identify the gradual, uniform pressure loss over time in all tyres.
- When the vehicle is started, the tyre pressure monitoring display on the meter instrument will show historical pressure value. The system will gradually update the tyre pressure information once the vehicle reaches a speed of 30 km/h or more and has been driven for a few minutes. ◀

- For countries with distinct seasons, tyre pressure should be adjusted seasonally. Tyres should be inflated more in winter and slightly deflated in summer. Always make sure to pump the air pressure when tyres are cold.
- It is normal for the TPMS warning to be activated when driving in the area with low or high altitude. In such cases, adjust the tyre pressure in accordance with the warning (until the tyre pressure alarm turn off).
- For countries with winter season, if all four tyres are replaced with snow tyres that do not have sensors installed, the meter instrument will

prompt a message indicating the absence of sensors, followed by the system failure alarm. ◀

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

- Installation of incompatible tyres or modifications to the wheels and tyre rim.
- Presence of fluid in the tyre or the use of tyre repair fluids.
- Driving with anti-skid chains fitted.
- Proximity to locations such as television stations, petrol stations, airports, etc., which may generate strong radio waves or electrical noise interference.
- Installation of accessories that could cause interference with the vehicle's radio receiver, electrical system, etc. ◀

Park Assist System (PAS)*

Parking Assist*

The park assist system (PAS) helps the driver to avoid hitting objects when parking.

Front Parking Sensor*

The parking sensors on front bumper can detect objects up to 1m away from the front part of the vehicle.

Rear Parking Sensor*

The parking sensors on the rear bumper can detect objects up to 1.5m away from the rear part of the vehicle.

Park assist system is not a substitute for the driver's vision and observation.

- PAS cannot detect objects below the bumper, under the vehicle, or those too close or too far from the vehicle.
- PAS may not be able to detect children, pedestrians, cyclists, or pets.
- PAS cannot detect tiny objects
- Pay attention to the surrounding conditions when parking the vehicle. Failure to do so can result in serious injury or property damage. Even with the park assist system, the driver must carefully check for obstacles before parking. ◀

- Regularly clean the sensor to ensure its proper operation. Use water and a neutral, specific vehicle cleaner.

- Accumulation of dust, snow, or ice on the sensor surface may cause false alarm from the park assist system.
- If the bumper is damaged, causing the parking sensor to become misaligned or deformed, the park assist system may issue false alarms or fail to detect obstacles. ◀

How the System Works

When the park assist system is active and detects obstacles within its range, the results will be displayed on multimedia unit screen display, accompanied by beeping sounds to remind the driver.

The beep sound indicates that there are obstacles in front or behind the vehicle. The frequency of beeping sound increases as the vehicle approaches the obstacle. When the distance is less than 30 cm, a continuous beeping sound will be emitted.

Due to surrounding factors, the detection performance of parking sensor may degrade in hot, extremely cold or humid weather. ◀

When the System Cannot Function Normally

Be aware that the parking sensor may fail to provide warnings or may give incorrect warnings under the following conditions:

Situations Where Obstacles Cannot Be Detected

- The parking sensor cannot detect the net-shaped obstacles like iron wires, mooring ropes and blocking net.
- The parking sensor cannot detect low obstacles like rocks, stones, wood blocks, etc.
- The parking sensor cannot detect vehicle with a high chassis.
- The parking sensor cannot detect soft objects like snow, cotton, sponge that can absorb the ultrasonic wave.
- The parking sensor cannot detect certain obstacles with irregular shapes, such as pillars, trees, bicycles, angle iron, kerbstones, and corrugated cardboard.

Situations Where False Alarms May Occur

- The surface of the parking sensor is covered in ice or water.
- The vehicle is on a steep slope.
- High-frequency radio or antenna are installed on the vehicle or being used nearby.
- The sound of nearby vehicle horns, engine noise, or exhaust fumes is too close to the parking sensor.
- Driving in snow or rain.

If the system still does not warn when this vehicle approaches an obstacle, and not caused by the above situations, please contact an authorised PROTON service outlet for inspection.

When multiple obstacles are present, parking sensors can only detect the nearest one. Please be aware if the sensor on the opposite side detects any other obstacles, as the vehicle moves. ◀

Do not use a high pressure water gun to directly spray water, and avoid squeezing or hitting the surface of parking sensor in any ways. Otherwise, it may cause system failure. ◀

Reverse Camera*

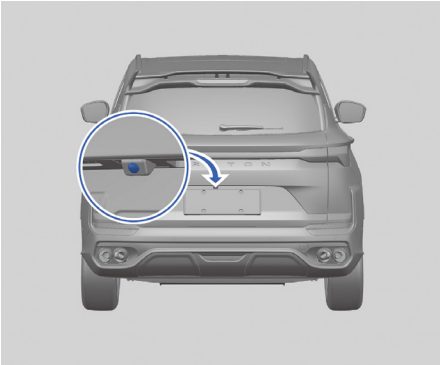
Reverse camera assists the driver when reversing this vehicle by displaying the image behind this vehicle.

The driver must carefully observe whether there are obstacles around this vehicle before start reversing. Otherwise, casualties or property damage may occur. The reverse camera is not a substitute for the driver's vision. Do not solely rely on the reverse camera when reversing this vehicle.

- The distance shown on the reverse camera image displayed on the multimedia screen may differ from the actual distance.
- The reverse camera cannot detect objects outside its visual range, such as those beneath the bumper or under the vehicle.
- The reverse camera may not detect children, pedestrians, cyclists, or pets.
- Do not rely on the reverse camera for long distance reversing, high-speed reversing, or in areas with crossing traffic. ◀

Position of the Reverse Camera

The reverse camera is located on the exterior of tailgate door (just above the license plate).



The reverse camera has a limited field of view and cannot detect objects in corners or beneath the bumper.

The displayed image may vary depending on the vehicle's direction and road conditions. The distance shown on the multimedia display may differ from the actual distance.

Reverse Assist Guiding Line

The reverse assist guiding line is a dynamic trajectory line that adjust according to the steering angle (steering wheel rotation).

When reversing, these lines appear over the road surface behind the vehicle (on multimedia unit display screen) and move left or right as the steering wheel is turned. It indicates the vehicle's projected path, helping the driver plan a safe and accurate reversing manoeuvre route.

- When the reverse camera is on, click the guiding line icon on multimedia

display screen interface to turn the guiding line function on or off.

- When the guiding line function is on, the guiding line icon is highlighted and the guiding line is shown on the screen. If the guiding line function is off, the guiding line icon remains operable but not highlighted.

Activating and Deactivating the Reverse Camera System

The reverse camera interface can be turned on and off as follows:

- When the gear is in Reverse (R) position, the reverse camera system will turn on (activate) automatically, and its interface is displayed on the multimedia display screen.
- When the gear shift lever is moved out of Reverse (R) position, the reverse camera system turns off (deactivate), and the multimedia display screen returns to the previously displayed interface.

Reverse Camera Disconnected

When the connection of the reverse camera is interrupted or disconnected, a prompt message will appear on the multimedia display screen, indicating that the reverse camera is not properly connected. Please contact an authorised PROTON service outlet for inspection as soon as possible.

360 HD Camera*

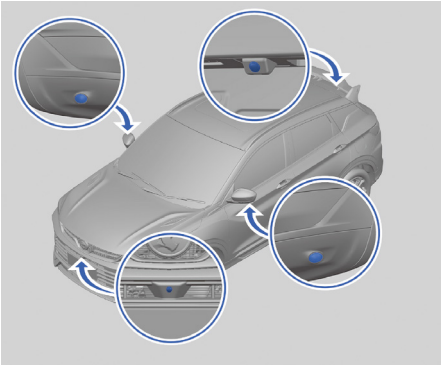
The 360 HD camera system (referred to as 360 Camera) is featuring a 180 degree transparent view function. It can assist driver when parking by providing real time video images of the front, rear, left, and right sides of the vehicle. The images are displayed on the multimedia display screen for driver's situational awareness.



- When using the 360 Camera system, always remain aware of the vehicle's surroundings. This system is intended as a driving assist and should not be solely relied upon.
- The performance of 360 Camera system may be affected by the environmental conditions such as fog, rain, snow, night, or other low visibility situations. In such conditions, use the system with extra caution and ensure the area around the vehicle is safe before proceed with driving.
- 360 Camera has blind spot areas and may not be able to detect all obstacles around this vehicle. ◀



This vehicle is equipped with the wide angle fish eye cameras. Due to the bowl shaped imaging model, 3D images may appear stretched or distorted at the edges, and objects at the far end may appear overlapped where the image splices occur. ◀



Location of 360 HD Cameras

Entering 360 Camera Interface

The 360 Camera interface can be turned on and accessed through any of the following methods:

- Give a voice command such as "Hi PROTON, open 360 Camera".
- Tap the 360 Camera app icon on the multimedia unit screen display.
- When the steering linkage function is enabled in the 360 Camera setting interface and the vehicle speed is 30 km/h or below, activating the turn signal lamp will automatically switch the multimedia display to the corresponding left or right 3D view.
- When the obstacle detection trigger function is enabled and the vehicle speed is 15 km/h or below, the 360 Camera interface will activate automatically when the vehicle approaches a front obstacle within a certain distance range.
- Shift the gear to Reverse (R) position, multimedia display will automatically enter the 360 Camera interface.

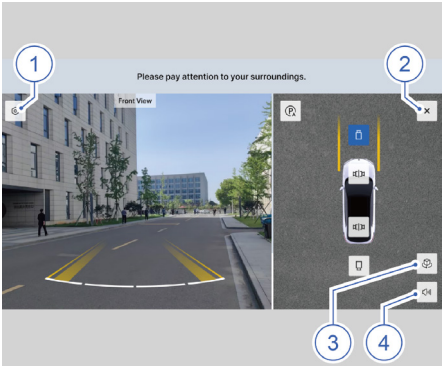
Exiting 360 Camera Interface

The 360 Camera interface can be turned off or exit through any of the following methods:

- Give a voice command of "Hi PROTON, close 360 Camera".
- Click the ***Close*** button icon at the 360 Camera interface.
- If the 360 camera is turned on by activating the left or right turn signal lamp, the 360 camera will automatically exit when the turn signal lamp is turned off.
- If the 360 camera is activated by shifting into Reverse (R) gear, it will deactivate when the gear shift lever is moved to Drive (D) position and drive the vehicle at speed exceed 15 km/h.
- If the 360 camera is triggered by an obstacle, it will be deactivated when the gear shift lever is moved to Drive (D) position and the vehicle speed exceeds 15 km/h.
- If the 360 camera interface is manually activated (not via Reverse gear or obstacle detection), it will automatically deactivate when the vehicle speed exceeds 30 km/h.
- Shift the gear to Park (P) position. If there is no operation within 5 seconds, 360 Camera will turn off.

Setting Interface

The driver can tap the specific area on the 360 camera interface to switch between different views, based on their needs.



1. Settings
   Settings can be adjusted for steering linkage mode, transparent vehicle models effect, 3D surround view, and obstacle detection trigger function.
2. Close
   Turn off and exit the 360 Camera interface.
3. 2D/3D view effect
   Switch between the 2D view and the 3D view effects.
4. Sensor alarm sound
   The sensor alarm sound can be turned on or off.
5. Reverse guiding line
   Turn on and off the guiding lines for reverse and parking. The latest selection will be memorized when the system is activated next time.

In addition to the function buttons mentioned above, tap the camera icons around the vehicle model on the 360 camera interface to quickly switch views between different viewing angles. ◀

Auto Park Assist (APA) System*

The auto park assist (APA) function is designed to assist driver with parking but it does not replace the driver's responsibilities. The driver must monitor the parking process continuously and remain fully attentive at all times. It is essential to observe the vehicle's surroundings, control the vehicle speed using brake pedal, and be prepared to actively intervene or cancel the auto park assist function when necessary.

- The parking sensors may have blind spots. Please be careful and remain alert to pedestrians, animals, and other obstacles around the vehicle.
- The parking sensors may not be able to recognize certain objects or individuals, particularly those wearing clothing that does not reflect signals from the parking sensors.
- External noise sources from surrounding environment may have become an interference to the auto park assist function and the parking sensors may not be able to recognise nearby objects or people.
- Before using the auto park assist function, please confirm that there are no obstacles such as ground locks, potholes, pits, stones, or thin poles, in the parking space. The vehicle may not be able to detect these types of obstacles.

- When using auto park assist function to park into a horizontal parking space along the roadside, there may be a situation where the tyres touch the curb during the parking process. Please pay attention to the surroundings, control the vehicle speed, and intervene manually if necessary.
- The auto park assist may not be able to recognise obstacles beyond its detection capabilities, such as potholes, pits, thin poles, parking barriers, ground locks, reflective or absorptive objects, irregular or diamond shaped items, sharp edges of square pillars, low lying objects, object that is below ground level, very thin objects, wire mesh, fences, fluffy snow, stones, ropes, suspended objects, tyres, crouching or lying individuals, children, shopping trolleys, and etc. The driver should always remain alert of the vehicle's surroundings to prevent accidents or property damage.
- Pay attention to the distance warning information during parking process, otherwise unexpected situations may occur. The parking sensors may not trigger any warning when the vehicle is extremely close to obstacles due to blind spot in the system's detection range. This is especially true for objects positioned at extreme high or low levels.
- Keep the surface of the parking sensors clean. Promptly remove any object obstructing parking sensors surface, such as snow, dust, or mud, to avoid affecting sensors functionality.
- Do not use a high-pressure washer to clean the wide-angle camera or parking sensors. Instead, rinse with a low-pressure water stream and maintain at least 10 cm distance.
- During the auto park assist process, other lanes may be occupied. Please stay alert and be aware of oncoming vehicles and pedestrians.
- During the auto park assist process, make sure the distance between the front and rear vehicles is at least 1 metre greater than the length of this vehicle for horizontal parking spaces (side parking). While for vertical parking spaces (front or reverse parking), make sure that the distance between left and right vehicles is at least 1 metre greater than the width of this vehicle. If these distances are not met, the system may not be able to detect the parking space properly.
- Make sure the tyre pressure is within the recommended range before using the auto park assist function. Exessive or very low tyre pressure could affect the parking performance. Auto park assist calculates the parking path based on wheel circumference. Variations in parking accuracy may occur if using different wheel size (not as original size), snow chains, or

spare wheels.

- This vehicle might stop at an intersection such as crossroad or T-junction within parking lot, or the system may exit due to external interference during parking. The driver should monitor the parking process in real time and take over the vehicle promptly.
- This function does not enable the vehicle to recognize double yellow lines, solid lines, road signs, traffic signals, or other road markings. The driver is responsible to make sure to comply with traffic regulations.
- This vehicle may deviate from its intended driving path or encroach into oncoming lanes. The driver must continuously monitor the surrounding parking environment in real-time to prevent collisions or accidents.
- The auto park assist may not be able to effectively perform emergency braking to avoid collisions with crossing moving obstacles, such as pedestrians.
- The auto park assist may not be able to properly respond to oncoming moving objects or objects located at the sides of the vehicle.
- The auto park assist may not respond promptly to the sudden and unexpected obstacles such as pedestrians, animals, motor vehicles, non-motorised vehicles or any other objects around the vehicle. This will increase the risk of collision.
- The auto park assist may not be able to recognise vehicles with large, solid underbody structures that are not connected or not in uniform shape such as large trucks, tanker lorries, trailers, forklift arms, etc.
- The auto park assist may not accurately identify pedestrians, animals, motor vehicles, non-motorised vehicles, or various irregular obstacles around the vehicle.
- When the auto park assist function is activated, this vehicle might have misidentified uneven terrain such as overgrown weeds, gravel roads, etc., which could potentially causing false braking or parking failure.
- The braking distance may increase or the wheel may slip during auto park assist process due to icy, snowy, slipppery road surface or at sloped. This could prevent effective collision avoidance.
- The auto park assist may mistakenly identify tyre marks, road edge markings, surface cracks, shadows, bicycle parking lines, flower bed edges, or other ground lines as parking space lines. It is recommended to use this function at an area with clear defined parking lines to ensure its proper operation.
- Do not immerse the sensors in liquids and do not clean them with a high pressure washer or steam cleaner to prevent damage to the sensors. ◀

Function Description

Park-in

1. Tap the **APA** application icon on multimedia unit display or use voice command (such as "HI PROTON, activate automatic parking") to activate the auto park assist function. The system will automatically identify the current situation as park-in mode and enter the park-in interface.
2. Drive the vehicle with speed less than 25 km/h, the system will automatically search for available parking spaces on both sides of the vehicle. If the speed exceeds 25 km/h, a prompt message will appear to advise driver to reduce vehicle speed.
3. After identifying an available parking space, multimedia unit screen will display the relevant information and request driver to stop the vehicle. The detected parking space will be highlighted on the display for confirmation.
4. After the vehicle has stop, driver can select the suitable parking space by tapping on the multimedia unit display. Once the parking space is selected, vehicle will automatically initiate the park-in process.
5. Release the brake pedal and steering wheel to initiate automatic park-in. A prompt message will appear and remind the driver to closely monitor the surroundings during automatic park-in process.
6. After the automatic park-in operation has completed, a confirmation prompt message will appear to indicate that the parking operation is successful.

Park-out

1. Tap the **APA** application icon on multimedia unit display or use voice command (such as "HI PROTON, activate automatic parking") to activate the auto park assist function. The system will automatically identify the current situation as park-out mode and enter the park-out interface.
2. The system will recommend park-out direction (if applicable, based on the previous automatic park-in operation) or allow the driver to manually select the desired direction. Press the "Start Park-out" icon to start the automatic park-out process.
3. Release the brake pedal and steering wheel to initiate automatic park-out. A prompt message will appear and remind the driver to closely monitor the surroundings during automatic park-out process.
4. After the automatic park-in operation has completed, a confirmation prompt message will appear to indicate that the park-out operation is successful.



- The automatic park-out function is applicable to horizontal parking spaces only.
- The system will enter the park-out

interface only after a successful completion of the previous horizontal automatic park-in operation.

- After entering the park-out interface, if this vehicle moves to a certain distance, it will automatically exit the park-out mode. ◀

Exit Function

The auto park assist process may stop and forced exit when the following situations occur. The multimedia unit will display the corresponding exit message and the driver need to take over the vehicle control.

- Related system malfunction.
- Parking assist system malfunction.
- Driver did not response in time.
- Limited parking space.
- The parking trajectory exceeds the planned path.
- The Electronic Stability Control (ESC) is activated.
- High-priority active safety functions are activated.
- Parking speed exceeds the limit.
- Parking operation timeout (exceed the specified time for the process).
- Too many parking steps.
- Too many parking interruptions.
- The process is interfered by the gear shift lever change.
- The process is interfered by the EPB activation.
- The process is interfered by the steering wheel movement.
- The process is interfered by the accelerator pedal input.
- The radar or sensor is covered.
- The camera is dirty.
- Excessive steering wheel angle.
- Excessive slope.
- The parking process is interrupted and not selected to resume within the specified time.

When any of the following situations occur, the auto park assist function will be interrupted, and the multimedia unit will display the corresponding interruption message. The driver need to follow the displayed instructions in time to resume the function.

- Obstacle is detected.
- Door opening is detected.
- Tailgate opening is detected.
- Hood opening is detected.
- Seat belt unfastened is detected.
- Folding the exterior rearview mirrors is detected.

Refuel

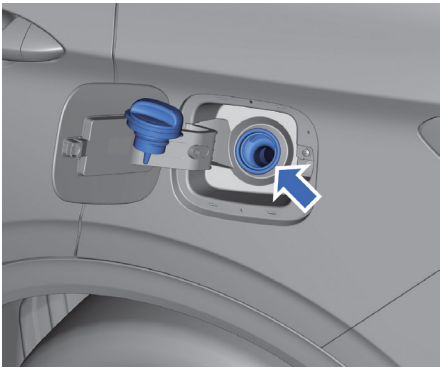
Safety Precautions at Petrol Station

Fuel is highly flammable and combustible especially in limited space with poor air ventilation. ◀

Pay attention to the following when refuelling:

- Turn off the engine.
- Do not smoking.
- Do not allow any sparks or open flames near the vehicle.
- Do not use a mobile phone or any portable battery operated device.
- Discharge static electricity on your body by touching a metal surface with your bare hands before attempting to hold the fuel nozzle to refuel.
- Make sure the fuel is not overflowing or overfilling.
- Observe and follow other precautions posted by the petrol station (if any).

Fuel Filler and Refuel



The fuel filler door and cap is located on the right rear side of this vehicle.

1. When the vehicle is unlocked, press the right side of the fuel filler cap to unlock and open it.
2. Slowly turn the fuel filler cap counterclockwise to remove it. Place the fuel filler cap at the designated cap holder.
3. Insert the fuel filler gun into the fuel filler hole to start refueling.
4. After complete refueling, install the fuel filler cap and turn it clockwise until a click sound is heard to ensure that the fuel filler cap is installed in place.
5. Close the fuel filler door and make sure it is securely closed.

Avoid overfill the fuel. When the gun automatically stop for the first time, stop refueling. ◀

Do not open the filler cap too quickly or overfill the fuel. Otherwise, the fuel may spill out and cause scalding to skin. If your skin or this vehicle body in contact with the fuel, clean it immediately. ◀

In case there is a fire while refueling, do not pull out the fuel filler gun. Instead, press the emergency stop button at the petrol pump machine or immediately inform the petrol pump attendant to cut off the flow of fuel. Stay away from the scene immediately. ◀

It is recommended to check and replace the fuel system components at an authorised PROTON service outlet according to the Warranty and Service Booklet. ◀

Fuel system components including the carbon canister suction hose, adsorption hose, vent hoses connected to the filler pipe, control valve hose for the carbon canister, and other ventilation hoses should be inspected and replaced in accordance with the regulations and the specified maintenance schedule in the Warranty and Service Booklet. ◀

Use unleaded fuel (RON 92 or a higher RON). The use of fuel with lower RON can cause serious damage to the three-way catalytic converter. ◀

PROTON do not recommend you to use fuel with any fuel additives that may contain octane enhancing additive such as MMT (Methylcyclopentadienyl Manganese-Tricarbonyl). ◀

This vehicle is not one designed for using fuel containing methyl alcohol. Do not use fuel containing methyl alcohol. Methyl alcohol will corrode metal parts in fuel system and damage plastic and rubber parts. Damages that have arisen from use of fuel containing methyl alcohol are not covered by warranty ◀

Emission System

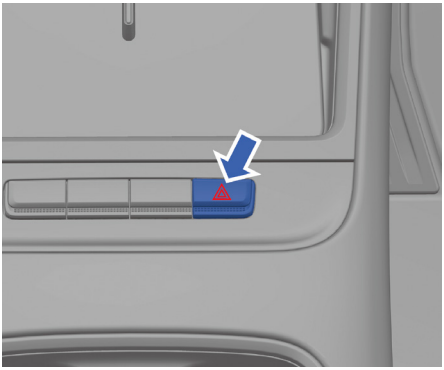
Three-way Catalytic Converter

The exhaust system of this vehicle is equipped with a three-way catalytic converter. It converts harmful gases such as carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NOx) in the exhaust system into carbon dioxide (CO_2), water and nitrogen through oxidation and reduction process.

Failures, such as engine misfire, after burning, etc. will cause serious damage to the three-way catalytic converter. Carry out maintenance at an authorised PROTON service outlet according to the service maintenance schedule in the Warranty and Service Booklet. ◀

Emergency Equipment

Hazard Warning Lamp



Under special circumstances when the vehicle needs to be decelerated or stopped in an emergency, press the hazard warning lamp switch.

Then the hazard warning lamp indicator on the switch flashes along with the left and right turn signals to warn others.

Press the switch again to turn off the hazard warning lamps.

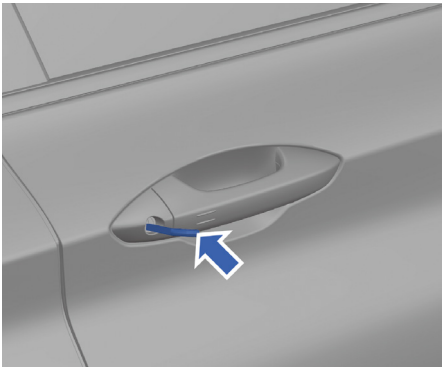
Emergency Unlocking

Locking and Unlocking with Mechanical Key

When the intelligent key or the ignition is turned off, the mechanical key can be used to lock and unlock the driver door. ◀

In case of emergency such as when the vehicle battery is dead, the driver door can be locked and unlocked as follows:

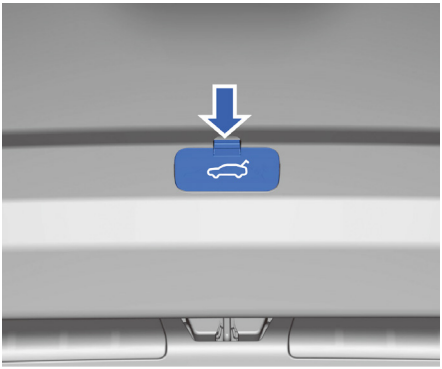
1. Take out the mechanical key from the intelligent key.



2. Insert the mechanical key into the hole under the driver door lock trim cover, tilt the trim cover up and remove it.
3. Insert the mechanical key into the key slot at the driver door. Rotate counterclockwise to unlock the door. Rotate clockwise to lock the door back.

Unlocking the Tailgate during Emergency

1. Fully fold the rear row seat seatback.
2. Enter the luggage compartment from inside and find the cover of the tailgate emergency opening device on the rear trim panel of the tailgate.



3. Remove the cover plate of the tailgate emergency opening device;



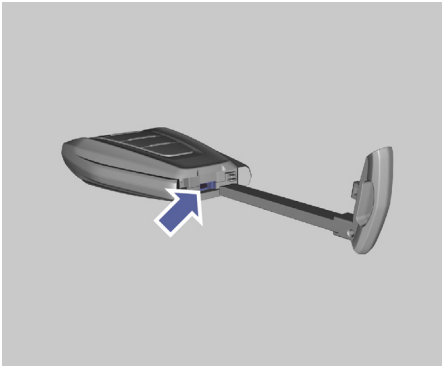
4. Push the tailgate emergency opening switch in the direction shown in the figure to open the tailgate.

Intelligent Key Battery

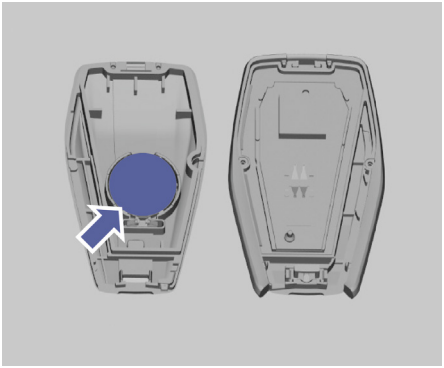
Replacing the Intelligent Key Battery

When operating the remote control to remotely control this vehicle and the detection distance of the intelligent key gets shorter than normal or this vehicle cannot recognize the intelligent key due to low battery power, the battery in the intelligent key should be replaced.

1. Pull out the mechanical key. Insert the mechanical key into the opening at the middle rear end of the intelligent key. Hold the handle and gently turn clockwise to pry the key back cover.



2. Open the intelligent key cover and replace with a new battery (battery model: 3V, CR2032). Pay attention to the battery polarity, with the positive side facing upward.



3. Reinstall the two halves of the intelligent key covers in place.

- To prevent children from swallowing the replaced battery, keep the battery out of the reach of children.
- Replacing the battery yourself may damage the key. If necessary, it is recommended to go to an authorised PROTON service outlet for replacement.
- If the intelligent key with the new battery still cannot be used, contact an authorised PROTON service outlet for inspection. ◀

Dispose the battery waste according to local regulations to avoid damaging the environment. ◀

Jump-starting the Vehicle

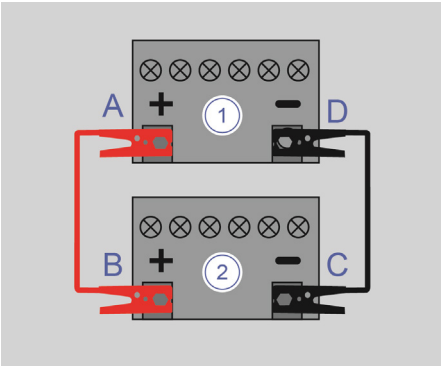
Jump-start with Jumper Cable

If the battery of this vehicle runs out, try to start this vehicle by using another vehicle and a jumper cable. ◀

Do not start the vehicle by pushing or pulling this vehicle. Otherwise, this vehicle may damage. Use only batteries rated at 12 volts for jump-starting. ◀

Connecting the Jumper Cables

1. Turn off the ignition switch and turn off all lamps and electric accessories, except hazard warning lamps (if necessary), of both vehicles.



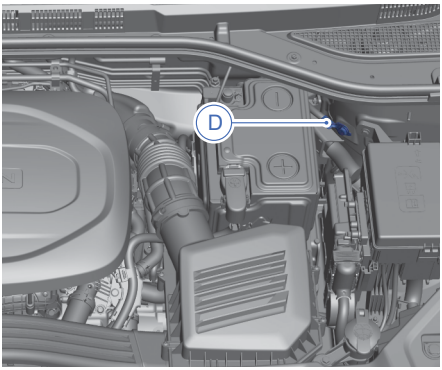
(1) - Vehicle with weak or flat battery
(2) - Rescue vehicle with good battery

2. Connect one end of red positive (+) cable to positive (+) terminal (A) of the battery of vehicle with weak or flat battery (1).
3. Connect one end of the red positive (+) terminal (B) of the battery of rescue vehicle (2).

4. Connect one end of the black negative (-) cable to the negative (-) terminal (C) of the battery of rescue vehicle.

Avoid the other end of the black negative (-) cable touching any metals before proceed to the next step. ◀

5. Connect the other end of the black negative (-) cable to the grounding point (D) on the body of vehicle whose battery is drained, as shown in the figure.



6. Pay attention to check and make sure that the jumper terminal and charging terminal are firmly connected to prevent sparks when trying to start the engine.

7. Charging the battery: Start the engine on the rescue vehicle and keep the engine idle for at least 5 minutes to temporarily charge the battery of the vehicle with weak or flat battery.

8. Start the engine on the vehicle (1) with weak or flat battery. If the vehicle engine still cannot be started, confirm whether the jumper cable connection is correct, and then charge again the weak or flat battery. If it fails to start the engine after few attempts, the vehicle is likely required further inspection.

Disconnecting the Jumper Cables

To disconnect the jump cables between the two vehicles, do as follows:

1. After starting the vehicle, disconnect black negative (-) cable (D) on the vehicle with weak or flat battery.
2. Disconnect black negative (-) cable (C) on the rescue vehicle.
3. Disconnect red positive (+) cable on the rescue vehicle.
4. Disconnect red positive (+) cable on vehicle with weak or flat battery.

If the jumper cables are connected or removed in a wrong sequence, it can cause electric short circuit and damage the vehicle. Repair caused thereby is not covered by warranty. Therefore, it is necessary to connect or remove the jump cable in the correct sequence, and ensure the jumper cables will not touch each other or contact other metal. ◀

- Be careful not to touch the high temperature area of the front engine compartment.
- The cooling fan and other running parts of the engine may cause personal injury. Do not touch the

cooling fan or engine with hands, clothing and tools when the engine is running or not running.

- Gas may escape from the battery during charging or jumper starting. There is a risk of explosion. Keep the battery away from sparks, open flames and other flammable substances.
- Any open fire near the battery can possible cause an explosion of the gases in battery, resulting in serious personal injury or death. The electrolyte of the battery is corrosive and can easily cause serious injury if in contact with eyes and skin. If the electrolyte is splashed into eyes or on skin, immediately flush with plenty of water and seek for medical advice.
- When connecting and removing jumper cables, avoid the cables entangled with the radiator fan and belt.
- Ensure that all cables are correctly connected, and keep a certain distance between each end to avoid contact between positive and negative electrodes. If the above steps are not followed, the repair cost is not covered by the vehicle warranty.
- If the vehicle still cannot be started after several jump start attempts, or the battery is frequently out of power, contact an authorised PROTON service outlet for inspection. ◀

Vehicle Towing

Towing Tips

- Observe the laws and regulations of the local authorities when towing this vehicle.
- The front wheels of the towed vehicle should be lifted up when a special towing truck is used. Do not tow this vehicle in a reverse condition with the front wheels on the ground; otherwise, the transmission will be seriously damaged.
- When towing a vehicle with automatic transmission, put the gear in neutral (N) position. Do not tow at a speed higher than 50 km/h. If there is no lubrication oil in the towed vehicle's transmission or the towing distance is more than 50 km, it is not allowed to tow the vehicle using this special towing vehicle.
- It is recommended to operate a flat bed truck necessarily to tow this vehicle, and get a professional towing service provider to do the towing work. ◀

Towing Eye

Precautions When Using the Towing Eye

- Ensure that the towing eye is screwed firmly and reliably into the designated mounting hole.

- It is recommended to mount and use the approved traction rod or traction rope on the towing eye.
- Do not use the towing eye to tow the vehicle to the flatbed type rescue vehicle.
- Do not use the towing eye to rescue a trapped vehicle.

When towing with the tow eye, make sure to keep a safe distance from the rescue vehicle.

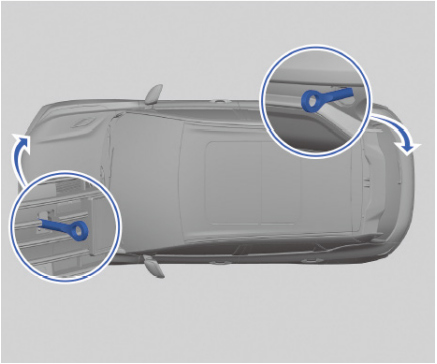
- Do not use the towing chain or belt on the towing ring. The towing chain or belt may be broken, resulting in serious injury or death.
- Failure to correctly follow towing eye instructions may cause parts to break, resulting in personal injury or death. ◀

The towing eye is only used for road rescue and shall not be used for other purposes.

- 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), to tow the vehicle on the ground to the nearest service outlet for a short distance.
- Do not use the towing eye to tow the vehicle on off-road or road with obstacles.
- When towing with a towing eye, both rescue vehicle and towed vehicle must be on the same center line position and as far as possible. Failure to follow the above instructions may result in damage to both vehicles. ◀

Installation of Front / Rear Towing Eye

1. Take out the towing eye in the attached tool box in the luggage compartment.
2. Press to open the towing mounting cover plate located on the right side of front and rear bumper.



3. Screw the towing eye into the mounting hole with the wheel nut wrench to ensure that the towing eye is fully tightened.

Replacement of Tyre

Replacing Flat Tyre

In case of emergency, identify and park this vehicle on a level surface ground that does not interfere with the traffic route and safe to replace the tyre. Before replacing the tyre, turn on the hazard warning lamps and place the hazard warning triangle behind this vehicle on the road at a suitable distance according to road conditions to warn other vehicles and avoid traffic accidents. ◀

Taking out the Spare Tyre and On-board Tool Kit

Jack and On-board Tool Kit

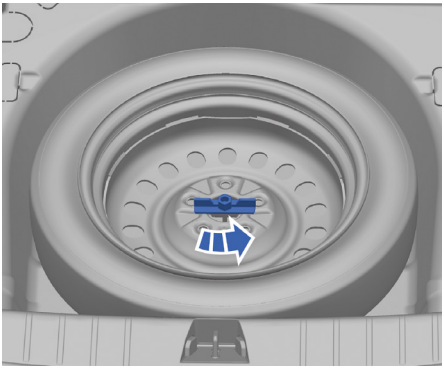
The jack and on-board tool kit are placed in the luggage compartment (trunk compartment).

Only use the standard jack provided with this vehicle. Do not use other non-compliant jacks; otherwise, the vehicle may slide down due to the quality of the jack, resulting in personal injury or death. ◀

Spare Tyre

The spare tyre is stored under the floor mat in the luggage compartment.

After removing the floor mat, remove the tool kit attached to the spare tyre pit and turn the lock knob counterclockwise (direction of arrow) to remove the spare tyre.

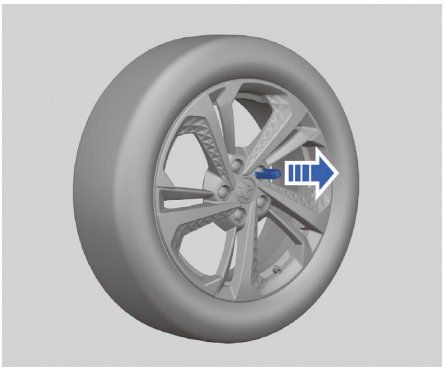


1- Tyre Lock knob

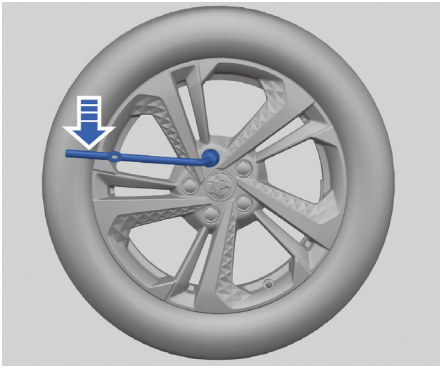
The spare tyre of the vehicle is a T-type small spare tyre. When in use, the maximum speed limit is 80 km/h. Drive the vehicle to the nearest authorised PROTON service outlet as soon as possible to replace with a new tyre. ◀

Removing the Flat Tyre and Mounting Spare Tyre

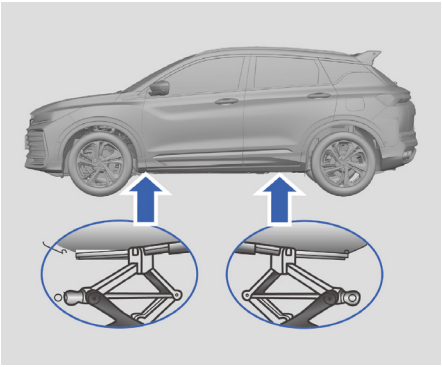
1. Carry out safety inspection first;.



2. Remove the plastic plier from the tool kit and use the plastic plier to clamp the tyre nut cap as shown, and pull out the cap.



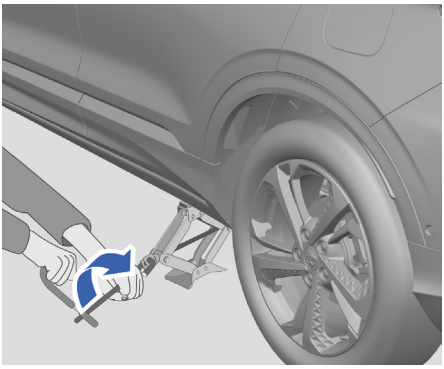
3. Place the wheel wrench on the wheel nut. Turn the wrench counterclockwise only by one turn to loosen all wheel nuts but do not take them down.



4. Place the jack head. Adjust the jack to a suitable height as shown in the figure, and then place the jack under the lifting point.

If the vehicle is lifted with the supporting position of the jack is incorrect, the vehicle can be damaged and may even slip off the jack. Before lifting the vehicle, be sure to place the jack head at the correct position to avoid personal injury and vehicle damages. ◀

The jack equipped for the vehicle can only be used to replace flat tyres. Do not go under the vehicle when the vehicle is merely supported by a jack. Personal injury or death may occur if the vehicle slip off the jack. ◀

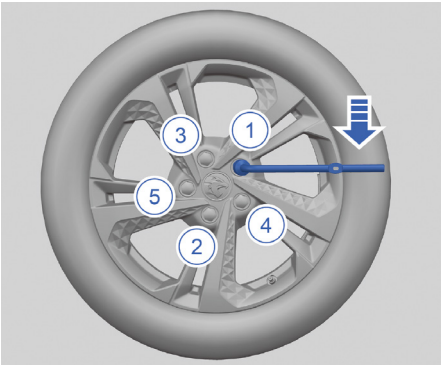


5. Connect the jack handle.
6. Turn the jack handle clockwise as shown in the figure. Jack up the vehicle to a sufficient height away from the ground for the installation of the spare tyre.
7. Remove all wheel nuts.
8. Remove the flat tyre.
9. Clean rust or dirt on the wheel bolts, mounting surface and spare wheel.

Rust or dirt on the wheel or connecting surface of the wheel will cause the wheel nuts become loose after being used for certain period of time. The wheels may possibly detach and result in accident. Clean any rust or dirt on connecting surfaces between the wheels and the vehicle with scraper blade or steel wire brush when replacing wheels. ◀

10. Install the spare tyre.
11. Screw each wheel nut clockwise with a wheel wrench until the wheel nut is fixed on the hub.
12. Turn the jack handle counterclockwise to lower the vehicle until the jack has been fully lowered. Take out the jack from under the vehicle.

Do not apply engine oil or lubricating oil on the bolt or wheel nuts; otherwise, the wheel nut will become loose and the wheel may detach, causing traffic accidents. ◀



13. Tighten the wheel nuts again in a crossing sequence as shown in the figure.
14. Install the wheel nut caps.
15. If necessary, install the hub trim cover.

Do not drive the vehicle when it is equipped with more than one spare tyre. ◀

If a front tyre has a fault and a spare tyre needs to be used, do not replace the front tyre with the spare tyre. For driving safety, replace the faulty front tyre with a rear tyre, and then install the spare tyre to the removed rear tyre position. ◀

Storing the Spare Tyre and On-board Tool Kit

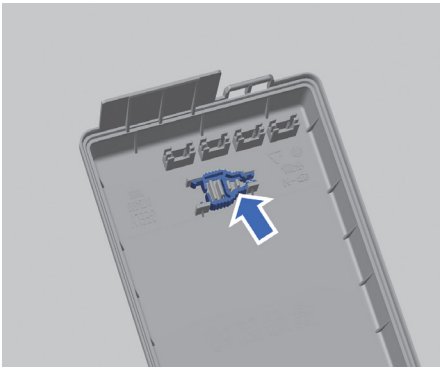
Place the spare tyre or the flat tyre in the luggage compartment with the inner side facing up, screw in the knob and tighten it completely. Put the jack and other tools back into the tool kit, then place the tool kit in the luggage compartment and secure it properly.

Replacement of Fuse

Inspection or Replacement of Fuse

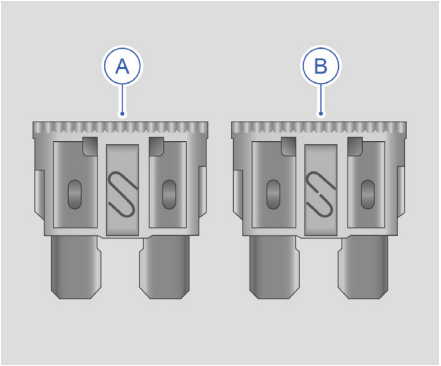
If any electrical component does not work, the fuse may have blown. If this happen, it is recommended to check as follows and replace the fuse if necessary:

1. Turn off the ignition switch and all electrical appliance. Disconnect the negative cable of battery.



2. Clamp the fuse head with fuse clip, and remove the fuse. Check whether the metal wire is blown.

Do not try to repair any blown fuse. Do not substitute any blown fuse with a fuse of different color or amperage. Otherwise, the electrical system will get damaged or catch fire due to the overload of wires. ◀



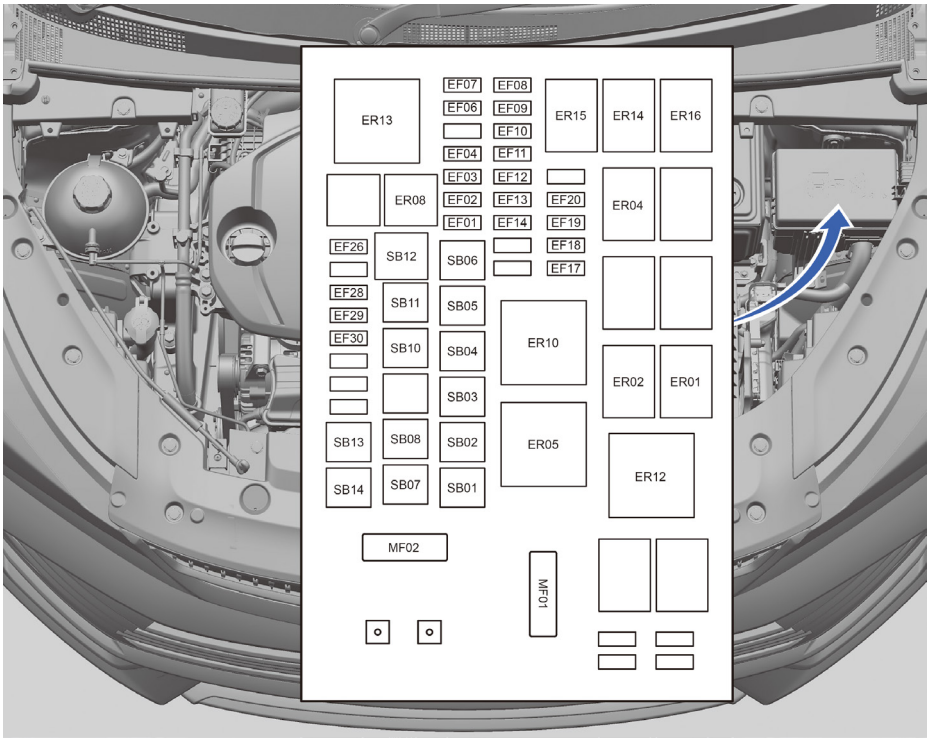
A - Fuse is in good condition
B - Fuse is blown

3. Replace with a new fuse with same amperage. If the replaced fuse is blown again immediately, contact an authorised PROTON service outlet for inspection as soon as possible.

The fuse color represents the amperage of the fuse, which is also marked on the fuse. ◀

All electrical parts and components in this vehicle can easily get damaged by a splash of liquid. Be sure to secure the covers of all electrical parts and components. ◀

Fuse Box in Engine Compartment (Exterior Fuse Box)

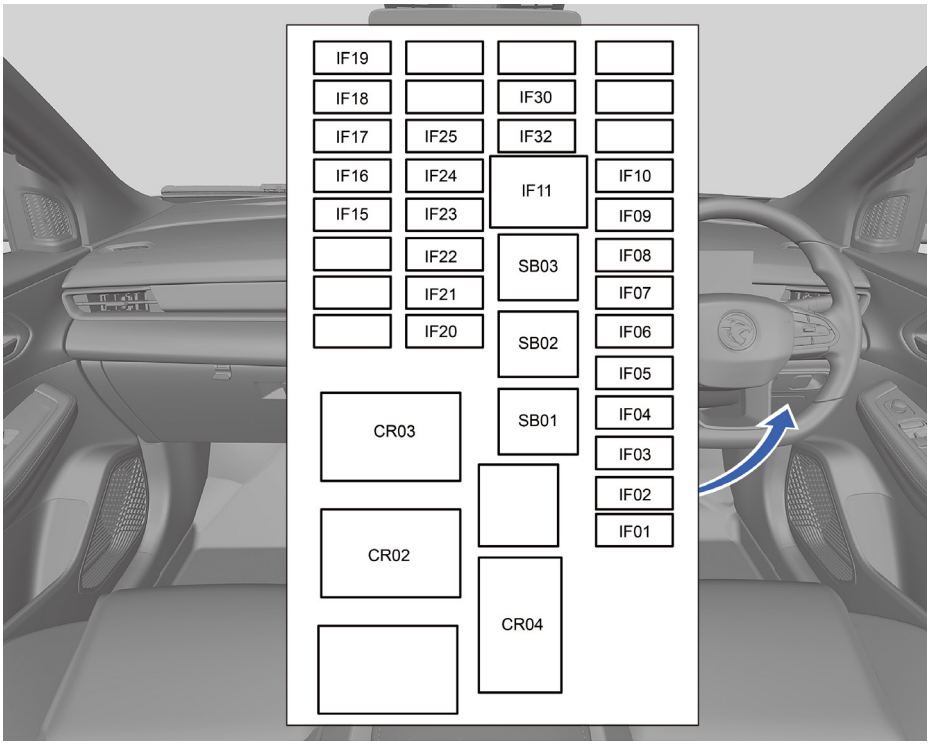


Fuse No.	Name	Ampere value	Description
EF01	TCU 7DCT Fuse 3	30 A	Transmission
EF02	TCU 7DCT Fuse 4	30 A	Transmission
EF03	EMS B+ Fuse	10 A	Engine
EF04	Brake Lamp Switch Fuse	5 A	-
EF06	Fuel Pump Fuse	20 A	-
EF07	Horn Fuse	15 A	-
EF08	Engine Solenoid Valve Sensor Fuse	15 A	int/exh VVT A/C comp
EF09	Oxygen Sensor Fuse	15 A	-
EF10	Ignition Coil Fuse	15 A	IGN Relay
EF11	EMS KL87 Fuse	25 A	-

Fuse No.	Name	Ampere value	Description
EF12	Relay Fuse (Starter/brake lamp switch/ Lo-speed fan/Hi-speed fan/oil pump)	10A	-
EF13	Starting Feedback Fuse (Starter FB)*	10 A	-
EF14	Starter Relay 2 Fuse	5 A	-
EF17	Headlamp Leveling Motor Fuse	10 A	-
EF18	ESC / EPB Fuse	5 A	IG1
EF19	EMS / TCU 7DCT IG1 Fuse	10 A	-
EF20	EPS Fuse	5 A	-
EF26	BCM - Exterior Lamp 1 Fuse	30 A	-
EF28	Front Wiper Fuse	20 A	-
EF29	BCM - Exterior Lamp 2 Fuse	30 A	-
EF30	RSRS / PAS Fuse	5 A	sensor
MF01	Electric Power Steering Fuse	80 A	motor
MF02	Alternator Fuse	150 A	ALT
SB01	Fuse B+ for Interior Fuse Box	60 A	-
SB02	ESC / EPB Valve Fuse	40 A	-
SB03	ESC / EPB Motor Fuse	50 A	-
SB04	TCM 1 Fuse	30 A	-
SB05	Starter Motor Fuse	30 A	-
SB06	TCM 2 Fuse	30 A	-
SB07	Fuse ALT+ Power for Interior Fuse Box	60 A	-
SB08	Low-speed Fan Fuse	40 A	-
SB10	Blower Fuse	40 A	-
SB11	Window Fuse	30 A	RH
SB12	High-speed Fan Fuse	40 A	-
SB13	Window Fuse	30 A	LH
SB14	Rear Defrost Grid Fuse	30 A	-

The fuse information above is based on available information at the time of publication. Please refer to actual label at vehicle. ◀

Interior Fuse Box



Fuse No.	Name	Ampere value	Description
IF01	BCM - Washer Fuse	15 A	-
IF02	Diagnostic Interface Fuse	10 A	-
IF03	Rear Wiper Fuse	10 A	-
IF04	Ambient Light Fuse	5 A	-
IF05	CDL Fuse	30 A	-
IF06	Hazard Lamp / Door Sensor Fuse	10 A	.
IF07	Rain Sensor Fuse	5 A	-
IF08	Gateway Fuse	5 A	GW
IF09	BCM - Exterior Lamp 3 Fuse	30 A	-
IF10	BCM - Exterior Lamp 4 Fuse	30 A	*
IF11	Marine Fuse	20 A	Memory fuse
IF15	Wireless Charging / USB Fuse	10 A	-
IF16	Rear USB Fuse	10 A	

Fuse No.	Name	Ampere value	Description
IF17	BCM - Audio Fuse	10 A	ACC
IF18	Front Backup Power Fuse	20 A	-
IF19	PAS Fuse	5 A	-
IF20	Interior Rearview Mirror / HVAC Fuse	10 A	-
IF21	ACU Fuse	5 A	-
IF22	Meter Fuse	10 A	-
IF23	IG1 Fuse for Exterior Fuse Box	10 A	-
IF24	RSRS Fuse	5 A	-
IF25	IP Switches Fuse	10 A	-
IF30	Meter Fuse	10 A	-
IF32	IHU Fuse	15 A	-
SB01	Power Seat Fuse*	30 A	-
SB02	Sunroof Fuse*	30 A	-
SB03	Power Tailgate Fuse*	25 A	-

The fuse information above is based on available information at the time of publication. Please refer to actual label at vehicle. ◀

Replacement of Bulb

Bulb Specifications

Lamp Type	Lamp Function	Bulb Type & Rating	
License Plate Lamp	License Plate Lamp	W5W	5 W
Luggage Room Lamp	Luggage Compartment Room Lamp	W5W	5 W

The other lamps not specified in the table is LED bulb which cannot be replaced by the user. If the LED bulb is abnormal or damaged, go to an authorised PROTON service outlet to replace it.

When replacing a bulb, usually it is necessary to remove some vehicle components. Thus, it is needed to have professional skills to carry out relevant operations. Please go to an authorised PROTON service outlet for replacement. ◀

Foggy Headlamp

When there is a temperature difference between the inside and outside of the lamp shade of the front combination lamp, such as in rainy days or when washing the car, 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 service outlet for inspection. ◀

Emergency Handling

Engine Overheating

- When the engine is overheated, do not continue to drive, otherwise the engine may be damaged or the vehicle may catch fire.
- The front engine compartment cover can only be opened when there is no steam or coolant overflow.
- When the engine and radiator are at a high temperature, the expansion tank cover must not be opened.
- When the engine is running, keep hands and clothes away from the cooling fan and the engine drive belt. ◀

If the engine overheats, the following steps can be taken:

1. Drive the vehicle safely off the road, stop and turn off the air conditioner, turn on the hazard warning lamp, engage Park (P) gear position, and activate the electric parking brake (EPB).
2. If the engine overheating is caused by climbing a long slope in hot weather, run the engine at idle speed until the coolant temperature indicator goes out.
3. Check and listen for steam or coolant spillage in the front engine room.

4. If there is no obvious coolant overflow, the overheating may be caused by radiator fan failure or low coolant level. Contact an authorised PROTON service outlet for maintenance as soon as possible.

Getting Vehicle Out of Trap

When the vehicle is trapped in snow, mud puddles or other soft roads, please take the following steps to get out:

1. Observe the front and rear areas of the vehicle to ensure that there are no people or obstacles.
2. Turn the steering wheel left and right to grind out an area around the front wheels.
3. Engage the drive (D) and then reverse (R) gear to move the vehicle forward and backward slowly.
4. If you still cannot get out of the trap after many attempts, seek professional trailer services.

When using forward and backward movement to drive the vehicle out of the trap, it may suddenly rush forward or backward. The driver must keep alert at all times to avoid casualties. ◀

Emergency Shutdown

In case of emergency during driving, if the ignition switch cannot be turned off normally, press and hold the ignition switch for 2 seconds or press the ignition switch continuously to stop the vehicle in an emergency.

During driving, do not use the emergency shutdown function in unnecessary situations, otherwise the vehicle may lose control. If the vehicle must be shut down in an emergency, slow down as much as possible before proceed with the emergency shutdown operation. ◀

Maintenance Instruction

Regular Maintenance

It is recommended to pay attention to the vehicle status regularly to keep your vehicle in the best condition.

Maintenance of Doors

The door hinges need to be smeared 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 glass panel of sunroof. Do not use viscous cleaners!

Maintenance of Sunroof*

- If you often use sunroof in windy and dusty environments, use wet sponges regularly to clean the dust and soil around the glass strips.
- If the vehicle is parked or the sunroof is not being used for a long period of time, apply fine talcum powder or specific lubricant to clean the strips around the sunroof.
- When washing the vehicle, check whether the sunroof strips, drain holes and grooves are covered by dust, leaves, branches and other foreign matters. Remove and clean them if any.

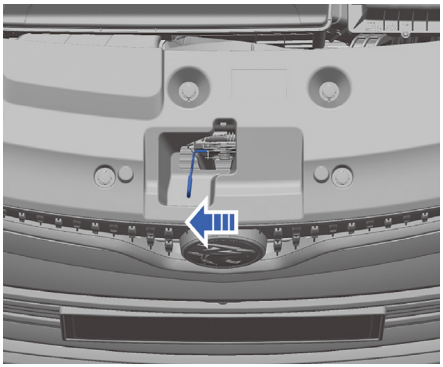
Engine Hood

Opening and Closing the Engine Hood

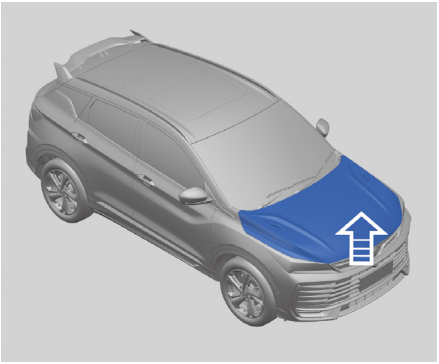
Opening the Engine Hood



1. Pull the open handle of the engine hood at the lower left of the instrument panel on the driver's side;



2. A little to the right of the middle position, reach into the gap between the engine hood and the trim panel, and push the handle of the safety hook of the engine hood lock to the left.



3. Lift the engine hood. Take off the support pole to support the engine hood.

Closing the Engine Hood

Before closing the engine hood, check if any tools, rags, etc. have been left in the engine compartment, and make sure all filler caps are closed. ◀

1. Let the engine hood falls freely at a position about 20 cm away from the closed position, and a click sound is heard, indicating that the engine hood has been locked;
2. After closing the engine hood, verify that it is fully locked by trying to lift the front edge of it.

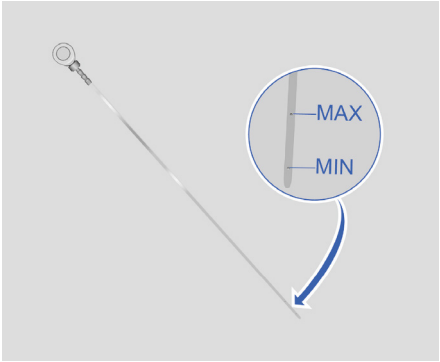
If the engine hood is not completely locked, open the engine hood again, and then repeat the above steps to close it. Do not press against the hood directly with force.

Do not drive the vehicle with the engine hood is not properly closed. ◀

Engine Oil

Check and Adding Engine Oil

1. Stop the vehicle on a flat road, turn off the engine, and wait for a few minutes (the engine is heated to 90 °C, and the engine is stopped for 10 minutes);
2. Pull out the engine oil dipstick, clean with tissue or cloth and then re-insert to the bottom.



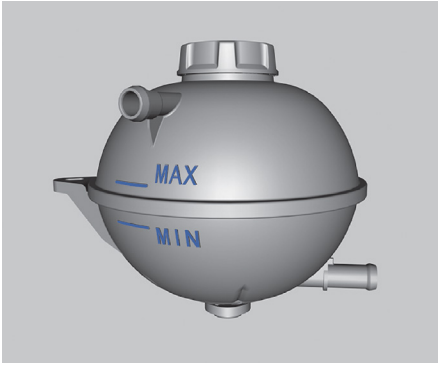
3. Pull out the oil dipstick again to check the engine oil level.
4. If the engine oil level is lower than the MIN mark, it is necessary to screw off the engine oil filler cap and refill engine oil to a level between the MIN and MAX marks on the engine oil dipstick.
5. Wait for several minutes and inspect engine oil level again. Refill appropriate engine oil if necessary.
6. Finally, insert the engine oil dipstick properly and fit the engine oil filler cap properly.

During the run-in period of a new engine, more oil may be consumed. This is normal. Please maintain the engine in accordance with the Warranty & Service Booklet. ◀

Only use the engine oil recommended and approved by the PROTON. ◀

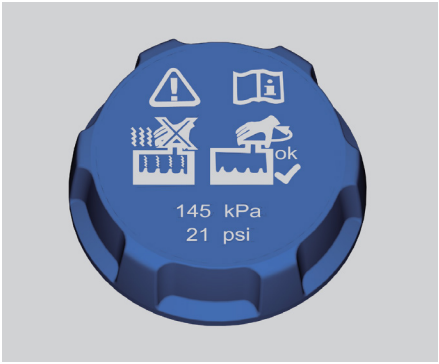
Please dispose of the used engine oil in accordance with relevant environmental protection laws. ◀

Coolant



Make sure to park the vehicle on flat ground when inspecting engine coolant level. Check that the coolant level in the coolant expansion tank is between MAX and MIN marks. If the coolant level is lower than the MIN mark, fill the coolant expansion tank with coolant according to the specified procedure.

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.



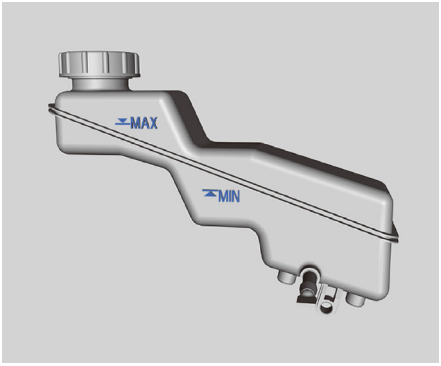
1. Turn the pressure cap counterclockwise slowly to open. If you hear any “fizz” sound, it indicates that there is still pressure inside the expansion tank. Let the “fizz” sound disappears first before continue opening the pressure cap;
2. Continue to turn the pressure cap and remove it.
3. Slowly fill in the coolant until the coolant level in the expansion tank reaches between MAX and MIN lines, and make sure the coolant level does not drop;
4. With the coolant expansion tank cap opened, start the engine and keep it running until the upper radiator hose begins to heat up. At this time, the coolant level in the coolant expansion tank may drop. If the coolant level is below the MIN line, add a proper amount of coolant to the coolant expansion tank until the coolant level stabilizes and reaches the position between the MAX and MIN lines of the coolant expansion tank.
5. Observe the drop of the coolant in the

coolant expansion tank and replenish the coolant in time. The coolant level in the coolant expansion tank should be kept between the MAX line and MIN line.

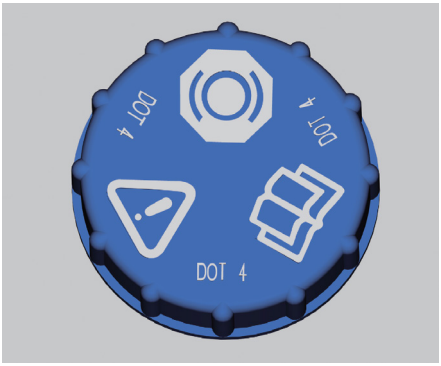
6. Observe the vent of the coolant expansion tank. When there is continuous coolant flowing out from the vent of the coolant expansion tank and the coolant level in the coolant expansion tank does not drop anymore, tighten the pressure cap of the coolant expansion tank. With this, the coolant is filled.

Refill the ethylene glycol-type coolants. Damage or failure caused by the use of other coolant type or non-compliant coolant mixture is not covered by PROTON's warranty. ◀

Brake Fluid



Check the brake fluid level from time to time. Make sure that the brake fluid level must remain between MAX and MIN marks.



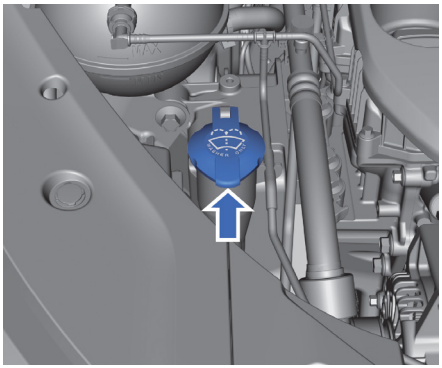
Check the brake fluid level regularly to ensure that the brake fluid level is between the MAX and MIN marks.

If the brake fluid level is lower than the MIN scale mark, open the reservoir cap and slowly pour in brake fluid to prevent the brake fluid from overflowing. In case of accidental spillage, it shall be removed immediately, otherwise the parts in the engine 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 taken by mistake, consult a doctor immediately.
- Brake fluid leakage causes the brake fluid level to drop. Go to an authorised PROTON service outlet for maintenance as soon as possible.
- Apply the brake fluid of the manufacturer and brand designated by PROTON; otherwise it will seriously damage the parts of the brake hydraulic system and affect the braking performance and distance.

Washer Fluid

Topping up Washer Fluid



Open the filler cap with a washer sign engraved on it. Top up an appropriate amount of washer fluid.

The freezing point temperature of the washer liquid should be 10°C lower than the local minimum ambient temperature. ◀

Do not add liquids such as soapy water instead of washer liquid, otherwise the paintwork of the vehicle body may be damaged. It is recommended to use approved windshield glass washer fluid. ◀

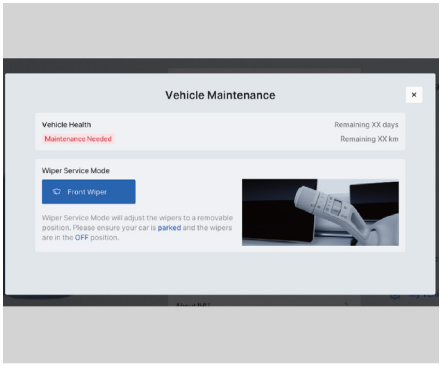
Wiper Blades

Replacement of Wiper Blades

- Grease, silicon and petroleum products will weaken the wiping effect of wiper blades. Wash wiper blades in warm soap water and check their conditions regularly.
- Wash windshield glass frequently, and avoid using wiper blades to wipe sands on windshield glass so as to avoid affecting wiping effect of wiper blades and reducing their service lives.
- It is necessary to replace wiper blades if the rubber is found to be hardened or have cracks, or if wipers leave scratch on windshield glass or cannot reach a certain area.
- Clean windshield glass regularly with approved windshield glass washer fluid, and ensure to clean windshield glass thoroughly before replacing wiper blades.
- Only use wiper blades of same specification as original wiper blades.
- If a wiper or a windshield is covered by ice or snow or is frozen, it is necessary to remove ice and snow on the wiper or the windshield glass before using the wiper, so as to prevent the wiper from being damaged.

- Do not use the wipers when a windshield surface is dry or there are hard objects on the surface; otherwise it is possible to damage wiper blades and windshield glass. ◀

Replacement of Front Windshield Wiper Blades



1. When the vehicle is stationary and the front wiper control switch is at ⬭ position, select the following on the multimedia display in sequence:

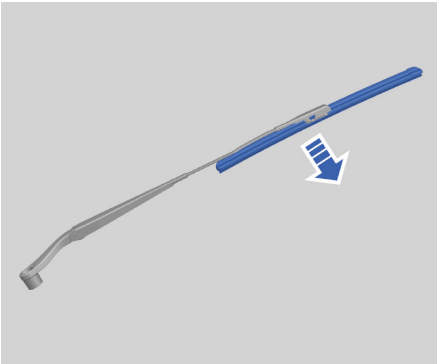
   Vehicle Settings → My Vehicle → Vehicle Maintenance

   Select to enable the front wiper service mode 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 glass.

When the front windshield wiper blade is in upright position, do not open the engine hood, otherwise the front windshield wiper blade or the front engine compartment hood will be damaged. ◀



3. While pressing the clip of the wiper blade, pull the wiper blade in the direction of the arrow to release it from the wiper arm;

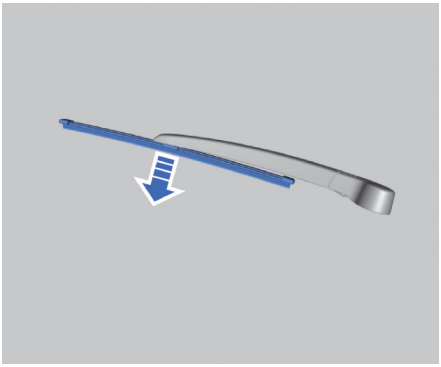
4. Remove the wiper blade.

When front windshield wiper blade is not mounted, the windshield will be damaged if the wiper arm gets in touch with the windshield. Any damages caused thereof will not be covered by vehicle warranty. ◀

5. Install wiper blade in reversed sequence of step 2 to 4.

6. Exit wiper service mode by turning off the front wiper service switch.

Replacement of Rear Windshield Wiper Blade



1. Pull the rear windshield wiper blade away from the rear windshield.
2. Pull the wiper blade along the arrow direction and take it down directly.
3. Install rear windshield wiper blade in reversed sequence of step 1 to 2.

Battery

Maintainance of the Battery

This vehicle is fitted with maintenance-free battery.

Binding posts, terminals and relevant accessories of the battery contain lead and lead compound that can affect health. If contacted, neutralize with soap and rinse thoroughly with water. ◀

To extend the service life of battery and maintain the normal operation of electric systems of the vehicle, please pay attention to the following recommendations:

- Prevent the battery from discharging completely to avoid electrolyte being frozen when driving in a cold area.
- Prevent the battery being excessively charged or being short of electricity for a long term.
- It is necessary to charge the battery from external power supply when the battery is under voltage.
- Keep the battery away from heat source and open fire. When charging or using the battery, keep the place ventilated to prevent burning and hurting people.
- To prevent the battery from discharging at a high current for a long time, the starting time for each use should not be more than 5 seconds, and the interval for two consecutive starts should be 10 ~ 15 seconds.
- The battery shall be firmly installed on the vehicle to reduce vibration.
- Make sure the fastening clamps of battery terminals are firmly installed and contacted well to prevent from sparks and battery explosion caused by such sparks. Get rid of oxide and sulfate produced on fastening clamps of the battery and apply petroleum jelly on the clamps.
- There will be weak current consumption in the circuit system when the vehicle is parked, and the electricity of the battery will be drained when the vehicle is parked for a long time. Therefore, if the vehicle is to be stored for a long time, the black negative (-) wire should be removed 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 in the Warranty and Service Booklet to carry out regular maintenance on the vehicle in a timely manner.

Replacement of Battery

Make sure to use the same model and specifications of battery when replacing the battery. Contact an authorised PROTON service outlet to remove, replace and install the battery.

After the battery is replaced, hand over the used battery to an authorised PROTON service outlet for disposal, or deliver it to the collection depot meeting the local regulations on the environmental protection.

There is highly corrosive toxic substance in battery. Please keep battery facing up when transporting and storing it. ◀

Acid liquid of battery may cause scalding and the gases produced are explosive. Personal injury or death may occur. ◀

Tyre

Maintenance of the Tyre

Tyre inspection

When to Check Tyre

Inspect tyres including spare tyre at least once every month.

How to Check Tyres

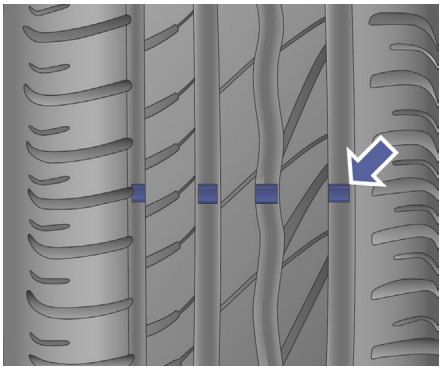
Use a high-quality compact tyre pressure gauge to check the tyre pressures. Inspect tyre inflation pressure when the tyre temperature is low. Remove the valve cap from the tyre valve core. Connect tyre pressure gauge to the valve and measure the pressure by force. If the cold tyre inflation pressure complies with recommended pressure value on tyre pressure label, it is unnecessary to make adjustment.

If the inflation pressure is too low, continue inflating to the recommended pressure value. If the tyre is inflated excessively, press the metal valve core of the tyre valve to deflate. Inspect the tyre pressure again with a tyre pressure gauge.

Always install the valve cap back on the valve core. The valve cap can prevent dust and moisture from entering the tyre.

Tyre Tread Wear

The tread wear indicator will appear when the tyre is worn to 1.6 mm or less of tread. After the tyre wear reaches the limit, replace it as soon as possible.



If uneven tyre wear is found, or some continuous vibration is felt while driving, go to an authorised PROTON service outlet for inspection. When installing a new tyre, make sure to perform the wheel dynamic balancing.

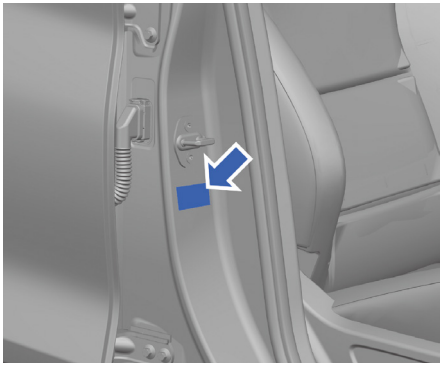
If the tyres with shallow tread patterns or exposed wear marks are used continuously, it will lead to extended braking distance, steering failure, tyre breakage, etc., which is easy to cause accidents. ◀

Please dispose of used tyres in accordance with relevant local regulations of the environmental protection. ◀

If the front tyre is faulty, do not replace the front tyre with the spare tyre. For driving safety, remove one of the normal rear tyre and replace the faulty front tyre with the normal rear tyre, and then install the spare tyre to the removed rear tyre position.

After adjusting the normal rear tyre of the vehicle to the front wheel or replacing the spare tyre, the tyre pressure display value on the meter instrument (for some models) will not be correct because the tyre pressure monitoring system has not adaptive-learned. Once the faulty tyre has been repaired, drive the vehicle to an authorised PROTON service outlet to adaptive-learn the tyre pressure monitoring system to ensure driving safety. ◀

Tyre Pressure

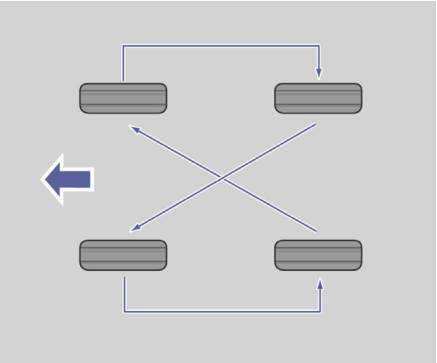


Tyre pressure labels are posted above the outside of the right center column of this vehicle. It indicates the front and rear tyre pressures and spare tyre pressure of the vehicle.

Tyres can work effectively only when they have correct inflation pressures. 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

All tyres shall be rotated its position every 10,000 km of travelling.



Rotate the positions of all tyres according to the sequence shown in the figure. Then, adjust the inflation pressure of the front and rear tyres to the correct tyre pressure as shown in tyre pressure label on the vehicle.

- Do not use compact spare tyres when rotating.
- All wheels need to be installed correctly. After rotating the tyres, adjust all tyre inflation pressure to the correct specified value. ◀

Wheel Alignment and Wheel Balancing

If you find the tyre gets wear abnormally or the vehicle deviates when driving straight, it is necessary to inspect the wheel alignment. If the vehicle jolts when running on smooth road surface, it is necessary to rebalance the tyres and wheels.

Contact an authorised PROTON service outlet for maintenance as soon as possible.

Flat Tyre

The following situations will occur when the tyre flats while driving. Corresponding measures shall be taken according to different situations:

1. If a front tyre flats, the dragging of the flat tyre will cause the vehicle to deviate towards the side where the flat tyre is. Release the accelerator pedal and hold the steering wheel firmly. Keep steering the vehicle in the lane to maintain the vehicle under control. When the traffic condition is safe, steer the vehicle to a designated side emergency lane or on a safe side of the road, then depress the brake pedal to park the vehicle as soon as possible.
2. If a rear tyre flats, release the accelerator pedal and hold the steering wheel firmly. Keep steering the vehicle in the lane to maintain the vehicle under control. The vehicle may jolt and cause noise, but the steering still can be controlled. When the traffic condition is safe, steer the vehicle to a designated side emergency lane or on a safe side of the road, then depress the brake pedal to park the vehicle as soon as possible.

If you find that the tyre has a slow air leak, follow the steps below:

1. Drive the vehicle slowly to a safe and flat surface road away from the traffic to avoid further damage to the tyres and wheels.
2. Turn on the hazard warning lamp and place a triangle warning sign board at an appropriate position behind the vehicle.
3. Replace vehicle tyres.

To prevent the vehicle from moving, it is necessary to take the following measures:

- Engage the electric parking brake.
- Put the transmission gear shift lever into Park (P) or Neutral (N) position.
- Turn off the engine. Do not restart the engine when the vehicle is lifted with a jack.
- Do not allow occupants to sit in the vehicle when the vehicle is lifted with a jack.
- Before changing the wheel, place blocks in front and behind of the rest of the tyres. ◀

Cleaning the Vehicle

Cleaning the Exterior

Washing the vehicle frequently helps to protect the appearance of the vehicle. When washing the vehicle, turn off the ignition switch and park the vehicle in a cool shady area.

Do not wash the vehicle when under direct sunlight. If the vehicle is left under direct sunlight for a long time, you need to wait for the body surface to cool down before start washing.

When using an automatic car washer, be sure to follow the instructions of the car washer operator.

- To prevent damage to the vehicle paint, any corrosive substances (such as bird droppings, resin, insects, asphalt spots, paving salt, industrial dust, etc.) should be removed immediately. If necessary, use industrial alcohol to remove asphalt spots and stubborn oil stains, and then immediately wash with water and mild neutral soap to remove alcohol.
- Do not use chemical solvents containing ethanol or strong cleaning agents to scrub the exterior lamp cover to avoid damaging the exterior lamp cover.◀

Cleaning the Vehicle with High-pressure Washer

- Before washing the vehicle, check and confirm that all doors and windows of the vehicle has been properly closed.
- Strictly follow the instruction by the high-pressure washer's manufacturer on how to use it. Pay special attention to the working pressure and spraying distance. The nozzle must be at least 30 cm away from the vehicle's 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 serious damage.
- Do not use "cluster nozzles" to clean the vehicle.
- Never flush with the nozzle directly or indirectly targeting inside the front engine compartment. High-pressure water flow can cause damage to the electrical components in the front engine compartment or cause some parts not to work normally.
- Do not aim the nozzle of the water gun at the chassis connector of the disc for flushing (especially connect the orange high-voltage harness connector).
- Do not use a high-pressure washer or a steam washer to clean the front camera or sensor; otherwise, these parts will damage.
- Do not use a high-pressure washer at a close range to wash the painted bumpers or soft parts, such as rubber hoses, plastic parts, and insulating materials.

Cleaning the Vehicle with Automatic Car Washer

- Before start washing the vehicle, check with the automatic car washer operator to confirm whether this vehicle can be washed using this automatic washer, and follow the professional advice provided by the operator.
- Fold the door mirrors before washing the vehicle.
- The strength of the paint surface of the vehicle body can withstand the washing of the automatic washer, but the impact on the paint surface must be noted. The degree of influence mainly depends on the structure of the washer, the cleaning brush, the filtering condition of the cleaning water, and the types 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 type of automatic car washer. This type of the automatic car washer does not have any part (brushes, etc.) that may touch the vehicle surface.

Cleaning the Interior

Regular interior cleaning helps to improve the condition inside the vehicle. After certain period of time, dust and dirt will accumulate on the interior trims, and deteriorates the surfaces of carpet, fabrics, leather and plastic.

Stains should be cleaned immediately, especially on light-colored interior trims, as they may become solid rapidly under extremely high temperature. Remove dust on small buttons and knobs with a handy banister brush.

Only use high quality cleaning agent to clean the interior trim surfaces to avoid permanent damage to the vehicle. Firstly, spray the cleaning agent on the cleaning cloth and then use the cleaning cloth to clean the trim surfaces. It is necessary to wipe off the cleaning agent immediately if you accidentally spray it on the surface of other objects in the vehicle.

When you clean the surfaces of the glassed of the vehicle, do not use abrasive cleaning agent; otherwise, the glasses will be scratched and the rear windshield defogger will be damaged. Only use soft cloth and special glass cleaning agent. ◀

Cleaning agent usually contains solvent which may coagulate on the vehicle interior trims. Read and comply with all safety instructions on the labels before using the cleaning agent. Please open doors and windows to keep good ventilation when cleaning the vehicle interior trims.

Please note the followings when cleaning the interior trims:

- Do not get rid of dirt on interior trim surface with a knife blade or other sharp objects.
- Do not use a scrubbing brush. It might damage trim surface of the vehicle.
- Do not press or use 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 the interior trims.

Cleaning Fabric and Carpet

Clean dust and scum with vacuum cleaner that comes with soft broom head. For stubborn stains, you may try to clean them with fresh water or soda water first. Before cleaning, choose an appropriate method to remove the stains:

- For liquid stains: Wipe residual liquid stains gently with a tissue.
- For solid dry stains: Remove as much as possible by hand and then remove with a vacuum cleaner.

Cleaning steps:

1. Soak a clean lint-free white cloth in water or soda water.
2. Wring the cleaning cloth to remove residual moisture.
3. When removing the stains, gently scrub the fabric or carpet from edges to middle until no stain marks are left with the cleaning cloth.
4. If the stains cannot be wiped off thoroughly, repeat the above cleaning steps with mild soap water.

If there are stubborn stains still cannot be removed thoroughly, consider to use synthetic fabric cleaning agent or detergent. Do test for color fastness on an small inconspicuous position in the vehicle before using these products. If the cleaning effect is good, they can be used to clean the entire surface.

After cleaning, use a tissue to absorb residual water on the fabric or carpet.

Leather Cleaning

A soft cleaning cloth dipped in clean water can be used to remove dust. To clean more thoroughly, a soft cleaning cloth dipped in a neutral soap water can also be used.

Then, let the leather dry naturally. Do not dry it by hot air blower, and do not clean the leather with a hot steam.

Do not use cleaning agent or lustering agent on leather, otherwise the appearance and hand 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 cause uneven gloss of leather and affect the appearance of the interior trims. Make sure not to use shoe polish on leather.

Instrument panel and other plastic surfaces

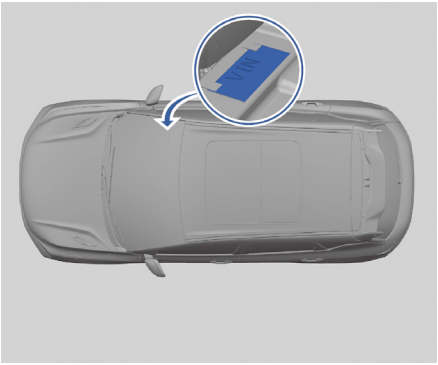
Do not use cleaning agent or lustering agent on plastic surface, otherwise it may change appearance and hand feel of interior trim permanently.

Some commercially available products may enhance the glossiness of instrument panel and thus produce annoying reflective light on windshield, which may affect permeability of windshield severely.

Do not use any cleaning agents containing alcohol or strong oxide chemicals to wipe the interior. ◀

Vehicle Identification

Vehicle Identification Number (VIN)



The Vehicle Identification Number (VIN) is engraved on the body cross member under the driver seat. Move the seat back to the end and lift the protective cover. Then it can be seen.

The VIN is always required when contacting an authorised PROTON service outlet. Please contact an authorised PROTON service outlet for inspection and repair as soon as possible if the VIN code on the body and VIN engraved under the driver's seat is damage. ◀

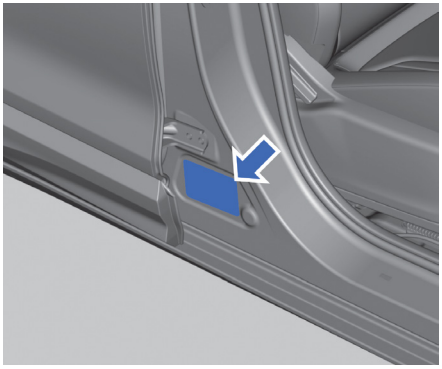
Reading VIN

Contact an authorised PROTON service outlet and seek for their professional maintenance personnel to read the vehicle identification code from vehicle's control unit.

The reading of VIN will be done using a diagnostic instrument dedicated for PROTON vehicles.

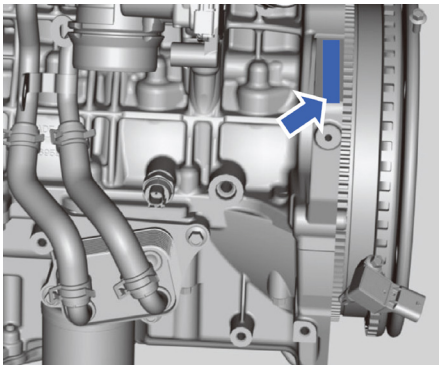
Reading of vehicle identification number (VIN) using the diagnostic instrument should be done by professional maintenance personnel from authorised PROTON service outlet. Otherwise, it may cause damage to the vehicle. ◀

Vehicle Identification Number (VIN) Label



The VIN label is located on the outer lower side of the right center pillar. This label contains VIN and other information.

Engine Number



The engine number is engraved on engine body near the transmission.

Event Data Recording (EDR) System*

PROTON is equipped with an event data recording system that conforms to the relevant national standards.

This system is used to record the relevant information when a vehicle collides, such as the vehicle's driving speed (the signal comes from the chassis controller and is obtained from the sensor, indicating the vehicle's speed at the time of the event) and braking status (indicating whether the vehicle is braking at the time of the event).

When a collision occurs, the current event data can overwrite the previous non-locked event data according to the time sequence of the accident data storage.

The information of EDR helps relevant personnel understand the state of the vehicle at the time of the event, and facilitate relevant parties to act in accordance with relevant laws and regulations. In addition, the information can be used for engineering research and help PROTON continuously improve product quality and safety.

According to the requirements of national laws and regulations, it may need to disclose relevant recorded data to certain authorities (such as public security organs or other institutions that have access to the event data recording system).

Special data reading equipment conforming to corresponding standards shall be used to read data. The special equipment is connected to the OBD interface of the vehicle or the EDR controller is separately connected to extract the data. Only authorized individuals or organizations can read data.

Access to data reading equipment: If necessary, you can contact an authorized PROTON dealer and apply to the manufacturer for access to the equipment with their assistance.

Technical Parameters

Item	Unit	Parameter
Drive Type	-	Front engine, front wheel drive layout
Seating Capacity	person	5

Dimension

Item	Unit	Parameter
Length	mm	4380
Width	mm	1795
Height	mm	1609
Front Wheel Tread	mm	1546
Rear Wheel Tread	mm	1557
Wheel Base	mm	2600

The dimension above are based on information available at the time of publication. All values declared have tolerance that varies between ±5mm to ±20mm. ◀

Weight

Item		Unit	Executive	Premium	Flagship
Kerb Weight		kg	1351	1360	1378
Gross Vehicle Weight (GVW)		kg	1770	1779	1797
Maximum Axle Load	Front	kg	952		
	Rear	kg	850		

The weight above are based on information available at the time of publication. All values declared have tolerance of 1%. ◀

Performance

Item	Unit	Parameter
Maximum Vehicle Speed	km/h	200
Max. Gradeability	%	40
Accelerator Pedal Freeplay	mm	4
Brake Pedal Freeplay	mm	≤25

Emission Level

Item	Parameter
Emission	Euro IV

Engine

Item	Unit	i-GT 1.5TD
Engine type	-	Inline 4-cylinder, turbocharged
Cylinder Bore x Stroke	mm×mm	82 × 93.2
Displacement	L	1.499
Maximum Net Power	kW	128
Rated Power Rev	r/min	5500
Maximum Torque	N·m	290
Maximum Torque Rev	r/min	2000 ~ 3500

Wheels and Tyres

Tyre Specification

Item	Type 1	Type 2
Tyre Size	215/60 R17	215/55 R18
Rim Size	17 x 6.5J	18 x 7J
Spare Tyre Size	T125/80 D17	

Tyre Pressure (Cold Condition)

Item	Tyre Size	Unit	Half-load	Full-load
Front and Rear Tyre	Type 1	kPa	230	230
	Type 2	kPa	230	230
Spare Tyre	-	kPa	420	

- Half-load: 1 ~ 3 persons including baggage
- Full-load: 4 ~ 5 persons including baggage ◀

Recommended Fuel

Item	Specification	Volume
All countries except Thailand	Unleaded Gasoline RON92 & above	45L
Thailand only	Unleaded Gasoline / Gasohol RON95 & above	

The recommended fuel above must follow local goverment's requirements and regulations. ◀

Recommended Fluid and Oil

Item	Specification	Volume
Engine Oil	Proton Genuine Oil (PGO) 5W-30 API SP ILSAC GF-6A	Dry type filling : 4.3 L Wet type filling : 4.0 L
Automatic Transmission Fluid (7DCT)	SHELL SPIRAX High Performance Hybrid Dual Clutch Transmission	Dry type filling : 3.3 L Wet type filling : 2.7 L
Engine Coolant	Geely's Super Long-lasting Coolant	6.2 L
Brake Fluid	DOT4	0.68 L
A/C Refrigerant	R134a	525 ± 10 g

For certain models, the A/C refrigerant volume indicated on the label is 500 ± 20 g. However, it is recommended to follow the refrigerant volume specified above to achieve optimum A/C performance. This recommendation also applies to A/C systems experiencing reduced cooling performance. ◀

Electrical System

Battery and Spark Plug

Item		Parameter
12V Battery	Type	DIN55L
	Capacity	12V 60Ah
Spark Plug Type		ILKFR8B7G or LD8RBIP+

SCAN QR CODE FOR MORE INFORMATION

PERUSAHAAN OTOMOBIL NASIONAL SDN. BHD. **(100995-U)**
HICOM Industrial Estate, Batu 3,
P.O Box 7100, 40918 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Fax: +603 5191 1252

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