OWNER
MANUAL



PROTON
INSPIRING CONNECTIONS

ALL-NEW

SAGA

INTELLIGENCE
THAT THRILLS

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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July 2026

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

This vehicle has comply to MCMC requirements.
The shown label is the certification mark approved for compliance to standards according to the Communications and Multimedia (Technical Standards) Regulations 2000.



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

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

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Introduction to Owner's Manual

Notes to Users

Using the Manual

- The Multimedia Manual, an important part of this manual, is used to introduce the entertainment system of the vehicle. See the dedicated Multimedia Manual for detailed operations of the entertainment system.
- All information in this manual are based on the latest product information at the time of publication. In order to meet the customers' satisfaction and the requirements of laws and regulations, the vehicle configuration and performance are being optimised and improved continuously. Your vehicle may have different configuration from the description in this manual.
- The software version of the vehicle and the settings may be upgraded later. Before the upgrade, you will be notified to obtain your consent. The information displayed after the upgrade may be different from the description in the Owner's Manual. The actual configuration shall prevail in terms of the specific information.

Important Tips

- Always check the tyre for wear and tear, and for the tyre pressure as per recommended methods and tyre pressure specification in this manual.
- Always use the recommended oil and fluid specified in this manual and perform the periodical maintenance according to the requirements stipulated the Warranty and Service Booklet.

Safety Precautions

- The vehicle is equipped with the Anti-lock Braking System (ABS). Please press the brake pedal firmly rather than pumping it.
- This vehicle is equipped with airbags. For the safety of children, do not install the rearward facing type of child restraint system on a seat equipped with the front airbag protection (activated).
- It is necessary to place an appropriate size of floor mat. The floor mat should not affect the action of the pedals due to the sliding of the floor mat, thus causing traffic accidents.
- Do not park for an extended period with the engine running to avoid inhaling exhaust fumes or accidentally pressing the accelerator pedal, which could cause the engine to idle at high speed for a prolonged time. This may lead to vehicle fires and pose risks to the people and property nearby.

Accessories, Spare Parts and Modifications

- For your safety, arbitrarily removing or replacing vehicle parts or components is not allowed.
- Refitting or adding devices to the vehicle is not allowed. PROTON shall not bear any responsibility for the direct or indirect losses incurred from this refitted or added equipment.
- PROTON is responsible only for tested and certified genuine PROTON accessories to ensure the best possible vehicle performance and safety are maintained.

Safety Information

This manual provides information on all variants available for this vehicle model. Due to the differences of configurations, the descriptions in this manual may differ from the actual configuration of your vehicle. The vehicle you actually receive 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.◄

Note

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

Environmental Protection

Issues described are related to environmental protection.◄

Asterisk

The asterisk “*” symbol following a title or name indicates that the configuration or function described is subjected to certain variants of this vehicle model. Your vehicle may not fitted with the stated configuration or feature.◄

Graphical Information

Indicates a descriptive object.

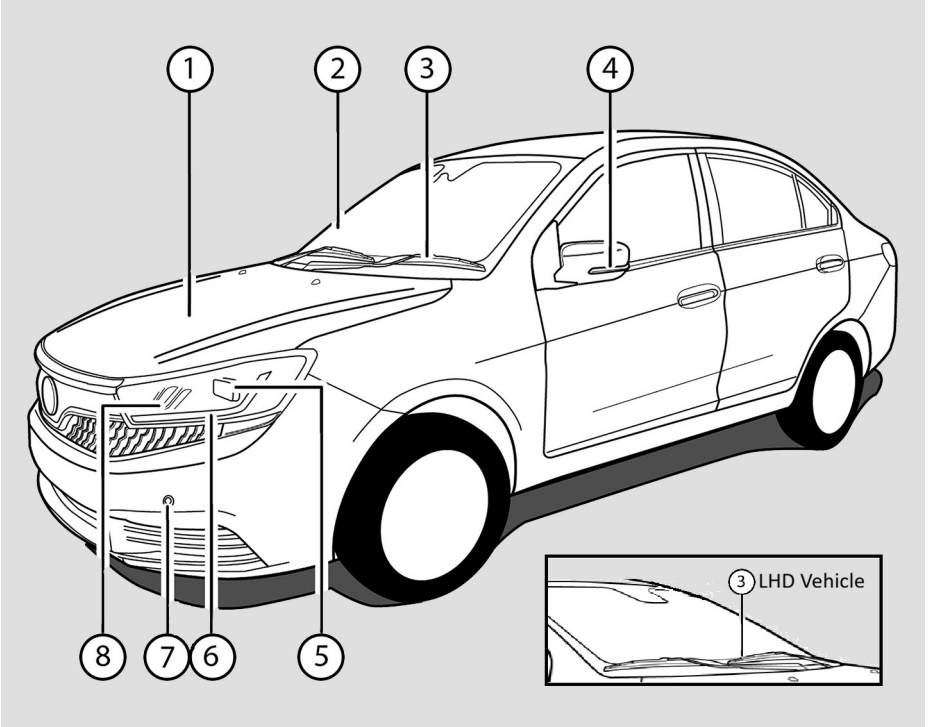
Indicates the movement direction of an object.

Indicates the rotation direction of an object.

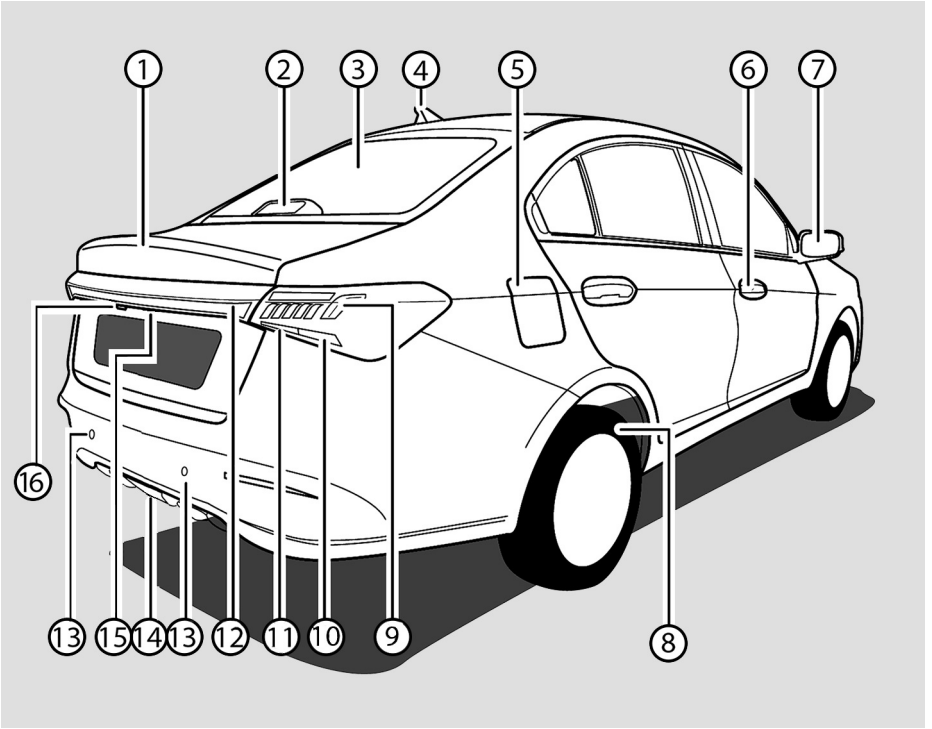
Indicates that this action is forbidden or this situation must not occur.

Vehicle Overview

Overview of Exterior

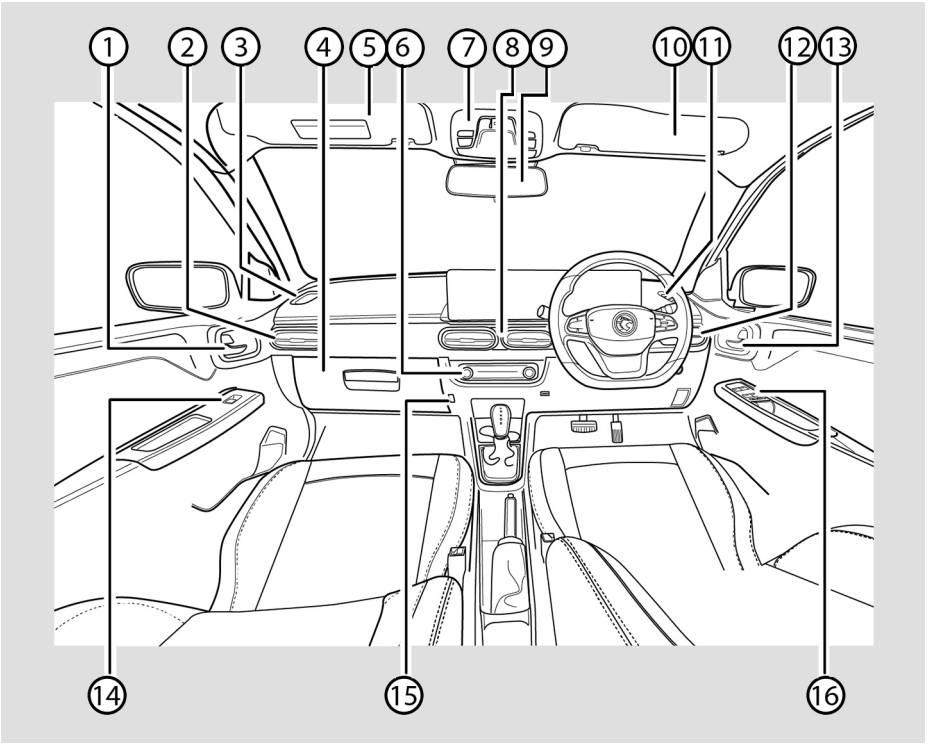


1. Front hood
2. Front windshield
3. Front wiper
4. Exterior rearview mirror (side mirror / door mirror)
5. Front combination lamp (including headlamp)
6. Daytime running lamp
7. Front parking sensor*
8. Turn signal lamp



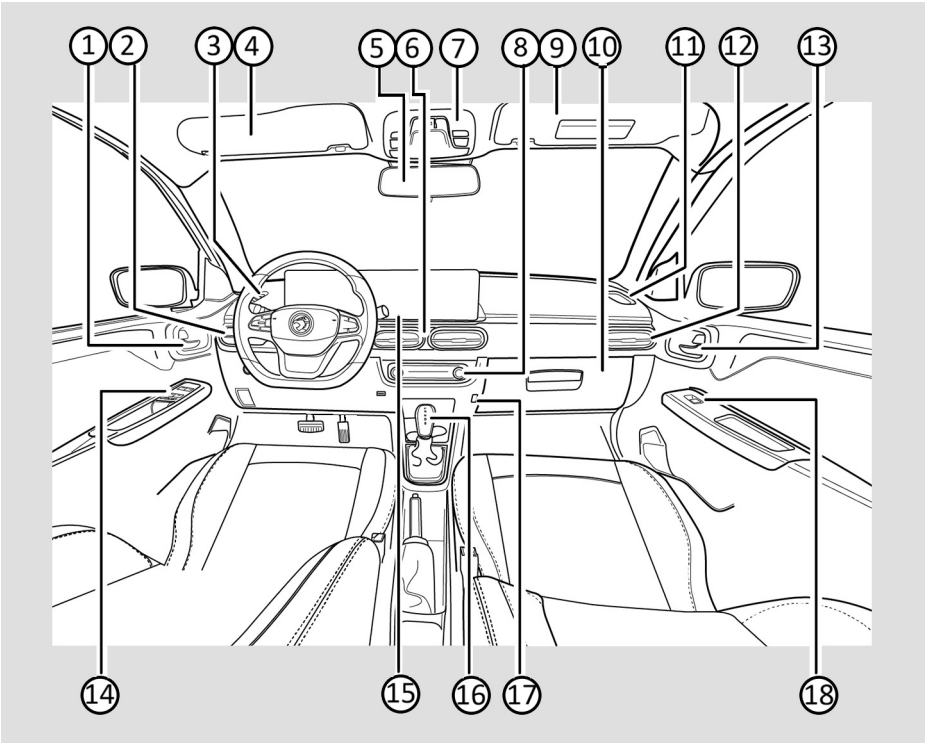
1. Trunk lid
2. Centre high mounted stop lamp
3. Rear windshield
4. Antenna
5. Fuel lid
6. Exterior door handle
7. Exterior rearview mirror
8. Tyre
9. Turn signal lamp
10. Daytime running light
11. Reverse lamp
12. Tail lamp at trunk lid
13. Rear sensor
14. Rear fog lamp*
15. License plate lamp
16. Rear camera

Overview of Interior (RHD)



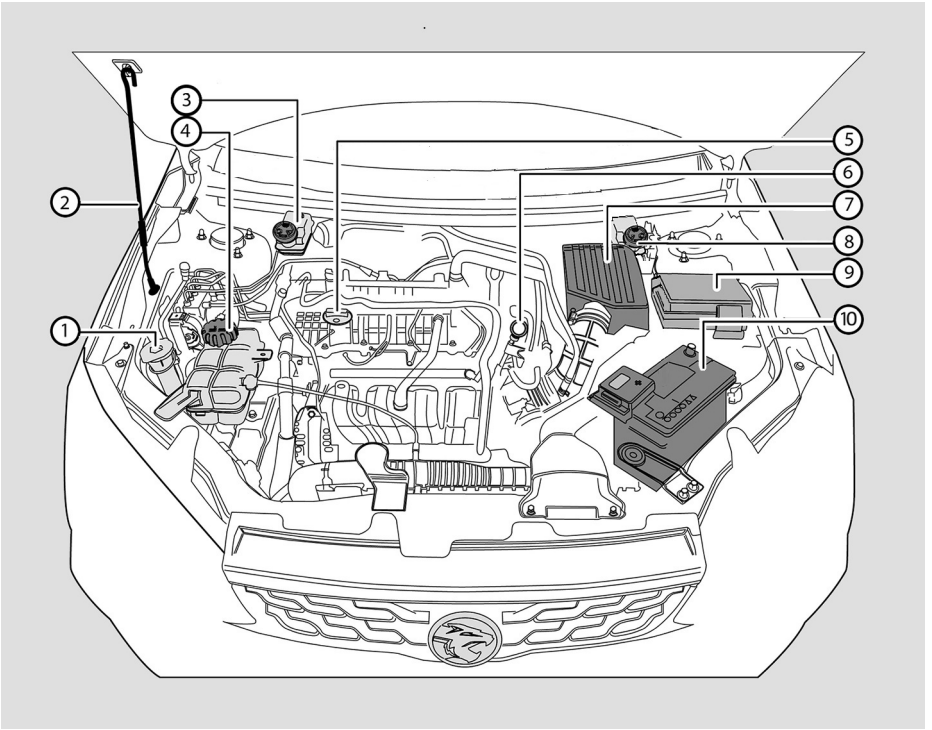
1. Interior door handle (front passenger side)
2. Left air outlet
3. Left defogger*
4. Glove box
5. Sun visor with vanity mirror (front passenger side)
6. Air Conditioning (A/C) control switches
7. Interior lamp
8. Centre air outlet
9. Interior rear view mirror
10. Sun visor with vanity mirror (driver side)
11. Right defogger
12. Right air outlet
13. Interior door handle (driver side)
14. Power window switches (front passenger side)
15. Hook
16. Central power window switches

Overview of Interior (LHD)



1. Interior door handle (driver side)
2. Left air outlet
3. Left defogger*
4. Sun visor with vanity mirror (driver side)
5. Interior rear view mirror
6. Centre air outlet
7. Interior lamp
8. Air Conditioning (A/C) control switches
9 Sun visor with vanity mirror (front passenger side)
10 Glove box
11 Right defogger
12 Right air outlet
13 Interior door handle (front passenger side)
14. Central power window switches
15. Multi Display Unit (MDU)
16. Gear Shift Lever
17. Hook
18. Power window switches (front passenger side)

Overview of Engine Compartment



1. Washer fluid reservoir
2. Front hood support rod
3. Brake fluid reservoir* (for RHD vehicle)
4. Coolant expansion tank
5. Engine oil filler cap
6. Engine oil level gauge
7. Engine air filter
8. Brake fluid reservoir* (for LHD vehicle)
9. Exterior fuse box
10. Vehicle 12V Battery

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Key and Anti-theft

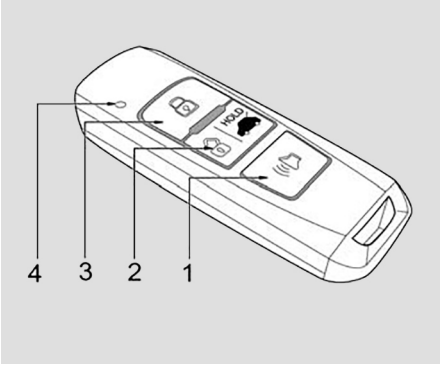
Intelligent Key

Introduction to the Buttons on Intelligent Key

The intelligent key is registered with the vehicle system. If the key is lost, damaged, or stolen, contact an authorised PROTON service outlet immediately to disable vehicle control functions such as engine start, door unlocking, and locking. If the key is recovered, it can be reactivated by an authorised PROTON service outlet.

A newly replaced intelligent key cannot be issued immediately, as it requires some time for an authorised PROTON service outlet to register and match the new key with the vehicle.◄

Basic Operations



1. **PANIC** button
   - Press the button to activate the panic alarm. Press it again to deactivate the alarm.

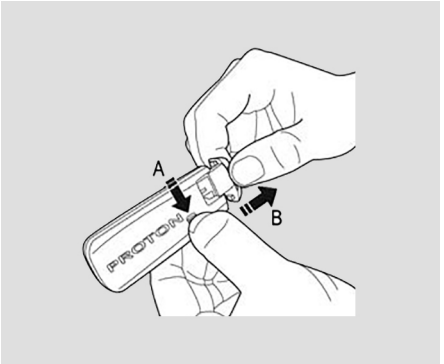
2. **UNLOCK** button / trunk lid remote release*
   - Press the button once to unlock all doors and deactivate the alarm system.
   - Press and hold the button for more than 3 seconds to unlock the trunk lid. After unlocking, lift the lid to fully open the trunk lid.

3. **LOCK** button
   - Press the button once to lock all doors and activate the alarm system.

4. **LED** indicator
   - The LED indicator illuminates when a button is pressed to show that the transmitter is working.

Please keep the spare intelligent key in a safe location and avoid leaving it inside the vehicle. Electronic interference from items with built-in anti-theft chips may cause the immobiliser and anti-theft systems to malfunction and prevent the vehicle from starting.◄

Taking out the Mechanical Key



To release, press and hold the release lever (A) while pulling the mechanical key (B) out.

Operating Range of the Intelligent Key

The intelligent key can operate within approximately 20 m from the centre of the vehicle. However, the operating range may be affected if the vehicle is near a TV transmission tower, power station, or radio broadcasting station.

If any of the following conditions occur after pressing the buttons on the intelligent key, the internal battery may need replacement:

- The doors do not unlock or lock.
- The transmitter range becomes shorter than normal.

When the transmitter cannot be used, the mechanical key can be used to lock or unlock the doors manually.
Replace the battery with a Manganese Dioxide Lithium type cell.
Type : CR2032

If the intelligent key is affected by interference from other signals, the vehicle may not be able to detect the key, start the engine, or perform functions such as locking and unlocking.

- The intelligent key is covered by metal shields, for example, intelligent keys and mobile phones with metal shell placed together.
- Avoid placing the intelligent key near a backup power supply or within an area affected by interference from external devices operating on backup power.
- Keep the intelligent key away from electronic devices that generate strong interference, such as laptops, Bluetooth headsets, power converters, chargers, vehicle Bluetooth systems, intercoms, or similar equipment.
- If the anti-theft alarm is triggered when the door is opened using the mechanical key, use the intelligent key to unlock the door.◀

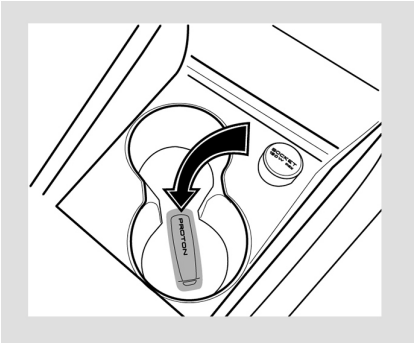
Do not modify the transmitting frequency or increase the transmitting power without proper authorisation, including the installation of additional frequency amplifiers. The connection of external detection antennas or the use of unauthorised transmitting or detection antennas is strictly prohibited.◀

Engine Anti-theft

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

If the engine cannot be started by either of the following two methods, then repair of the vehicle is required. Contact an authorised PROTON service outlet for a new key.

- If the intelligent key appears to be undamaged, try using another intelligent key.



- Place the intelligent key in the key symbol area inside the front cup holder.

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

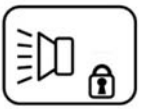
Locking and Unlocking of Vehicle

Alarm System Features

Your vehicle is equipped with a intelligent key (integrated in intelligent key) with specific switches which allows you to perform the locking/unlocking the vehicle's doors and arming/disarming the alarm system of this vehicle.

Details of these operations are described as below:

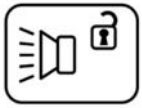
Arming



Press the LOCK button of the intelligent key. When arming is activated;

- All doors will be locked
- Turn signal indication lamps will flash once
- Alarm LED indicator will ON for 6 seconds, then blink *
- The door side view mirror will fold automatically

Disarming



Press the UNLOCK button of the intelligent key. When disarming is activated;

- All doors will be unlocked (If doors are closed).
- Interior light will fade in (if room lamp switch is at door position) for 30s*
- Turn signal indication lamps will flash
- Unfold automatically: In case of driver manually fold the outside rear view mirror before leaving the vehicle, outside rear view mirror will not unfold automatically.

Panic Button



Press the PANIC button of the intelligent key shall activate panic alarm mode.
Press the PANIC button again to deactivate the panic alarm mode.

The button can be pressed in arming or disarming.

During panic alarm mode;

- Horn/siren* will sound continuously
- Hazard lights will flash rapidly ◄

Intrusion

Anti theft protection: Door (s) / trunk lid / hood/ ignition / starter protection.

When the vehicle is in arm mode, the alarm system will trigger an alarm warning if any door(s) / hood / trunk lid is opened while the system is in arm mode.

During the alarm warning;

- Horn/siren* will sound continuously for 30 seconds
- All turn signal lamps will flash continuously ◄

Disable Triggered Alarm Warning

Press UNLOCK button to deactivate the triggered alarm. All signals transmission for alarm history cleared.

Reset Triggered Alarm Warning

If the vehicle's alarm warning (audible and visual alarms) is triggered and the intelligent key fails to stop this alarm warning due to the intelligent key's battery is weak, apply the following steps:

- Make sure the intelligent key is inside the cabin area
- Turn the ignition switch to ON position or START the engine

Locking and Unlocking Features

Locking



Press the LOCK button of the intelligent key

- All doors will be locked

- Turn signal indication lamps shall flash once
- Alarm LED indicator will ON for 6 seconds, then blink*
- The door side view mirror will fold automatically

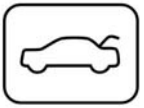
Unlocking



Press the UNLOCK button of the intelligent key.

- All doors will be unlocked
- Outside mirror will unfold automatically. (All doors must be closed) – in case of using auto fold switch*
- Interior light shall fade in (if room lamps witch is at door position) for 30 seconds
- Turn signal indication lamps will flash twice

Trunk Lid Release



Press and hold the UNLOCK/Trunk lid release button of the intelligent key for more than 3 seconds to release the trunk lid lock and lift up the trunk lid for full opening.

Central Door Lock (CDL)*



Central door lock/unlock is an action where the system will lock/unlock all doors.

The central door lock/unlock can be operated either using the intelligent key or using the central door lock switch at the centre of instrument panel.

- When the central door locking activates, all doors will lock
- When the central door unlocking activates, all doors will unlock ◄

Automatic Relocking



This feature will automatically activate only by the following condition:
While the vehicle is in the arm mode; When you press the UNLOCK button of the intelligent key BUT No door(s) / hood / trunk lid is opened within approximately 30 seconds.

- All doors will be automatically relocked
- System will rearm (alarm system becomes active)
- Side mirror will fold automatically

Door Ajar Reminder

This feature will activate only by the following condition:

When you press the LOCK button of the intelligent key BUT Any door (s) / trunk lid / hood is not closed

The system will remind you as follow;

- Turn signal indication lamps will flash 5 times
- LED at the meter display will illuminate to indicate whichever doors, hood or trunk lid that are not properly closed (within 3 seconds).
- The horn will sounds continuously for 30 seconds.

Additional Features

Vehicle Search Mode*



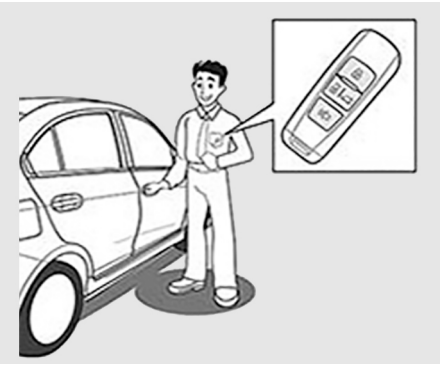
This feature will assist owner to locate the vehicle.

While the vehicle is in the arm mode;

Press the LOCK button of the intelligent key twice.

The turn signal lamp will flash three times respectively.

Keyless Entry System



When the intelligent key is within the specified range, the system allows you to lock and unlock the doors and the trunk lid from outside the vehicle.

When the intelligent key is inside the vehicle, the system allows you to start the engine.

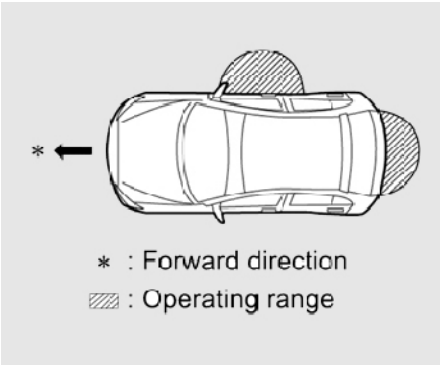
The keyless entry system operation may produce the following effects:

- The intelligent key emits radio waves that may interfere with medical equipment. If you use a pacemaker or other electrical medical device, consult the device manufacturer to ensure it is safe to use near the intelligent key.
- The intelligent key emits radio waves that may affect aircraft navigation and communication systems. Do not use the intelligent key in an aircraft, and make sure its buttons are not pressed accidentally during flight. ◄

Always carry the intelligent key with you. Make sure you have the intelligent key with you and lock the vehicle before leaving it. ◄

Operating Range for Keyless Entry

The operating range for locking or unlocking the doors and opening the trunk lid is as follows:



The operating range is approximately 1.2 to 1.5 metres from the driver's door handle, and about 1 metre from the centre of the trunk lid switch.

If the intelligent key is within the specified operating range, anyone can operate the door switch or trunk lid switch. This means the doors can be locked or unlocked, and the trunk lid can be opened. In addition, anyone inside the vehicle can press the engine push start button to start the engine or operate electrical equipment. ◄

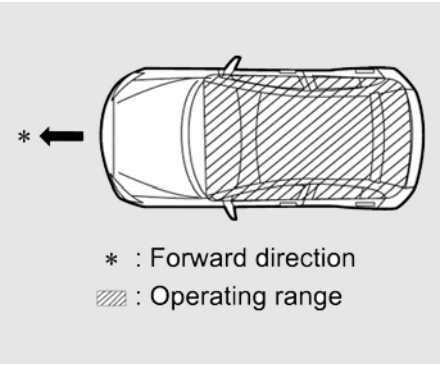
Operation Limitation

The intelligent key operates using a low-power electromagnetic wave. The following conditions may cause interference and affect keyless entry operation:.

- The battery in the intelligent key is low.
- The vehicle is near a strong radio wave source, such as a power station or broadcast station.
- Wireless devices such as mobile phones or transceivers are in use nearby.
- The intelligent key comes into contact with metal objects.
- The intelligent key is near other remote controls that transmit radio waves.
- The intelligent key is placed near electrical devices, such as computers.
- The vehicle is parked near a parking facility meter.

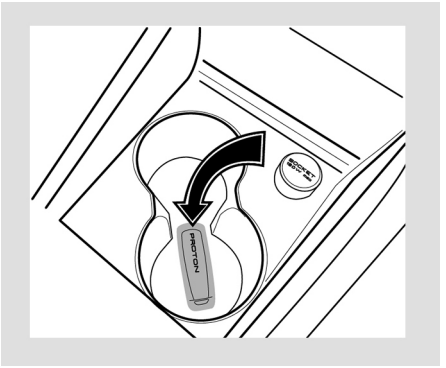
Operating Range to Start the Engine

The operating range is limited to the interior of the vehicle.



If the Intelligent Key Battery Voltage is Low

If the battery voltage in the intelligent key is low, the engine may not start normally. In this situation, follow the procedures below to start the engine:



1. Place the intelligent key at the key identification area as shown in the illustration.
2. Place gear in Neutral position or Park position.
3. Press and hold the brake pedal.
4. Press the ignition switch (push start button) to start the engine.

Service Life of Intelligent Key Battery

Continuous use of the intelligent key or extended operation near strong radio wave sources can shorten the battery life of transmitter inside the intelligent key.

- Strong electromagnetic waves may reduce the operating range.
- A weak intelligent key battery can also decrease the operating range.
- If the intelligent key is placed on the instrument panel or inside the glove box, the transmitter may not operate properly.
- If the intelligent key is placed near the door handle or trunk lid switches, the switches may not operate correctly.
- If the vehicle system does not respond when any switch on the intelligent key is pressed, replace the battery.
- If the intelligent key is lost, contact an authorised PROTON service outlet for a replacement.

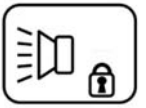
Lock, Unlock, and Alarm Features in the Keyless Entry System



A – Toggle switch

B – Press the toggle switch (A) to lock or unlock the doors.

Locking the Doors Using the Keyless Entry System



Follow these steps to lock the vehicle:

1. Before locking the vehicle, make sure all doors and the trunk lid are closed.
2. Ensure that the intelligent key is with the driver.

3. Press the toggle switch (A) on the outer handle of the driver's door to lock the vehicle.

After locking, the system will operate as follows:

- All doors and the trunk lid will be locked.
- The alarm system will be activated.
- The turn signal lamp will flash once.
- The alarm LED indicator will flash rapidly for approximately 6 seconds, then continue flashing at a normal rate.
- The side mirrors will automatically fold.*

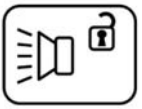
The keyless entry system will NOT lock the vehicle under the following conditions:

- The intelligent key is inside the vehicle.
- Any door, the trunk lid, or hood is open.
- The ignition switch (push start button) is in the ON position. ◄

Key Left-In Reminder

If the intelligent key is left inside the vehicle, the doors cannot be locked using the toggle switch (A). The horn will sound four times to alert the driver.

How to Unlock the Doors in the Keyless Entry System



Follow these unlock procedures:

1. Make sure you have the intelligent key with you.
2. Press the toggle switch (A) on the outer handle of the driver door while within the operating range.

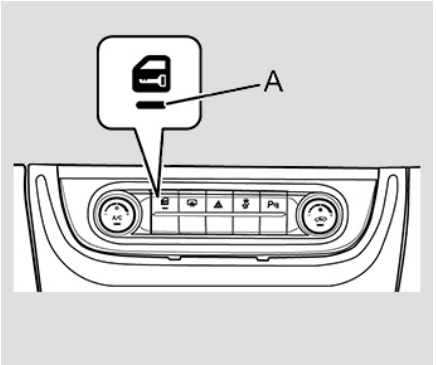
The vehicle system will operate as follows:

- The alarm system will deactivate.
- The side mirrors will automatically unfold*.
- The interior lights will illuminate for approximately 30 seconds (if the room lamp switch is in the "DOOR" position).
- The turn signal lamp will flash twice.

Central Door Lock (CDL)

Central Door Lock Switch

The CDL switch is located at the centre of the instrument panel.



A – CDL indicator lamp

Central Locking

With all doors closed, press the CDL switch to lock all doors. The CDL indicator lamp will illuminate, indicating that the CDL is activated.

Central Unlocking

With all doors closed and locked, press the CDL switch to unlock all doors. The CDL indicator lamp will turn off, indicating that the CDL is deactivated.

In an emergency, use the key slot on the driver's door to unlock the doors. If the door is opened and the alarm system is triggered, you can stop the alarm by starting the engine. ◄

Other Operations Using CDL Function

When the central door lock system is in operation, the vehicle's locking system will function as follows:

- When you press the **LOCK** button on the intelligent key, all doors will lock. Pressing the **UNLOCK** button will unlock all doors.
- When you insert the mechanical key into the key cylinder on the driver's door handle and turn it to the left, all doors will lock. Turning the key to the right will unlock all doors.
- When you pull the lock tab on the inner door handle of the driver's door, all doors will unlock. Pushing the lock tab will lock all doors.

Automatic Locking Unlocking

Ignition OFF Unlock

When you stop the vehicle and turn the ignition to the OFF position, all doors automatically unlock.

To Disable

You can disable this function of automatic unlock.

While the ignition is in the ON position, press and hold the CDL switch for a while.

Auto Speed Locking

Once the vehicle starts moving and the vehicle speed exceed 20 km/h, all doors will be locked automatically.

This function is disabled by default.◄

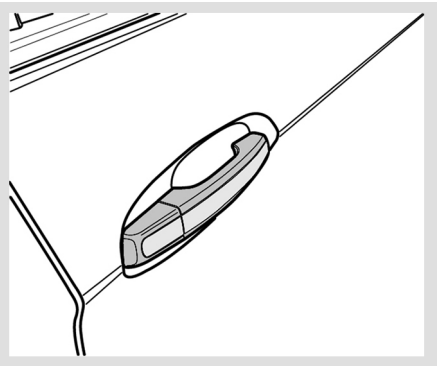
To Activate and Deactivate

Press and hold the CDL switch for 5 seconds. A confirmation message will be displayed in the meter instrument.

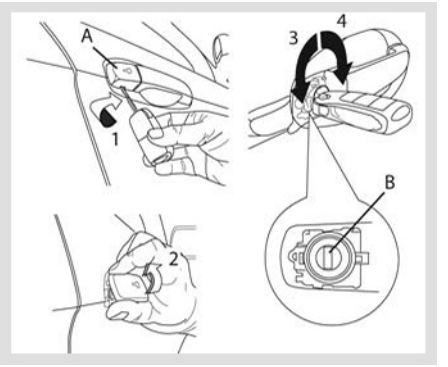
Door Handle

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

Operation from Outside the Vehicle



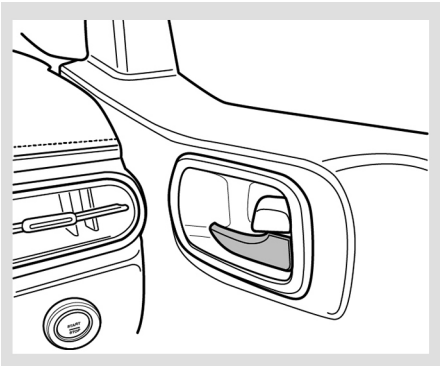
After you press the UNLOCK button on the intelligent key to unlock the vehicle, pull the exterior door handle to open the door.



In case of emergency, when you cannot lock or unlock the doors with the intelligent key, do these steps:

1. Put the key blade into the slot of cover (A) as shown in the illustration. Twist the key and the cover (A) will open.
2. Remove the cover (A). Put the key into the key cylinder (B).
3. Turn the key to the left side to unlock.
4. Turn the key to the right side to lock.

Operation from Inside the Vehicle



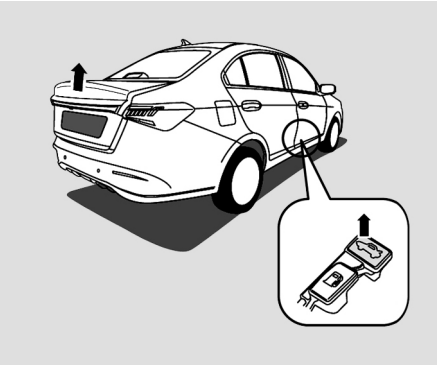
Pull the interior door handle toward you to open the door.

Make sure you close all doors before you start to drive. Do not lock the doors while the key is inside the vehicle. ◄

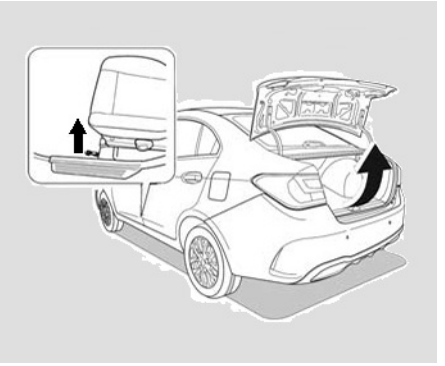
Trunk Lid

Trunk Lid Opening and Closing

The trunk lid lever is located next to the driver's seat as shown in the illustration.



Trunk Lid Lever (RHD Vehicle)



Trunk Lid Lever (LHD Vehicle)

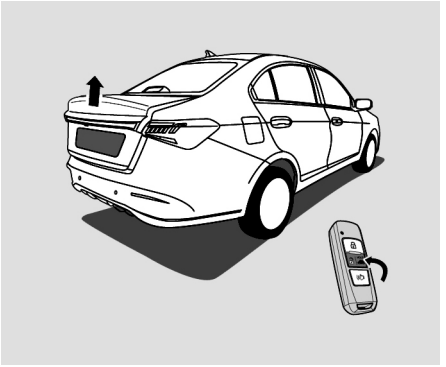
Open : Pull trunk lid lever to unlock and open the trunk lid.

Close : Push the trunk lid to its close position. Make sure you safely close the trunk lid.

Some models are fitted with the luggage room lamp. When the trunk lid opens, the lamp illuminates. When the trunk lid closes, it turns off. ◄

Operation Using Intelligent Key *

The intelligent key can be used to release the trunk lid.



Open : Press unlock button continuously for more than 3 seconds to release the trunk lid lock and the trunk lid will be slightly opened. Lift up the trunk lid for full opening.

Close : Press down the trunk lid door. Make sure the trunk lid is completely closed.

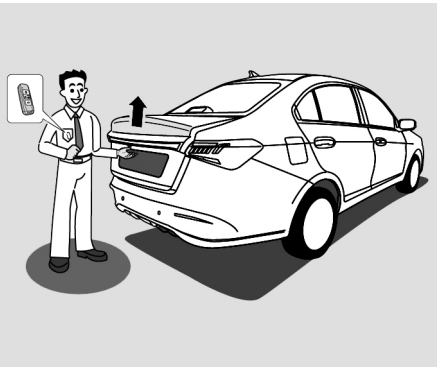
In case of weak intelligent key's battery, the trunk lid cannot be opened using intelligent key. Replace it with new battery. ◄

Operation Using Trunk Lid Switch



The location of the trunk lid switch is near to the license plate lamp.
If the vehicle is in the unarmed state, press the trunk lid switch to unlock the trunk lid.
Lift up the trunk lid for full opening.

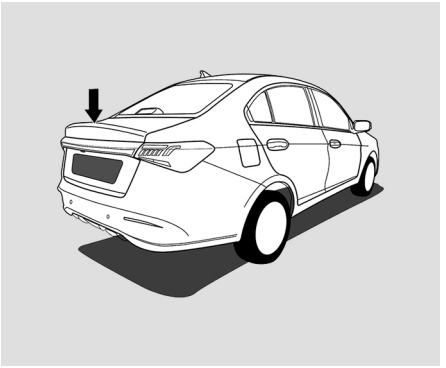
Operation Using Keyless Entry System*



If the vehicle is in the armed state, while carrying the intelligent key with you, press the trunk lid switch within its operating range to unlock and open the trunk lid's door.

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

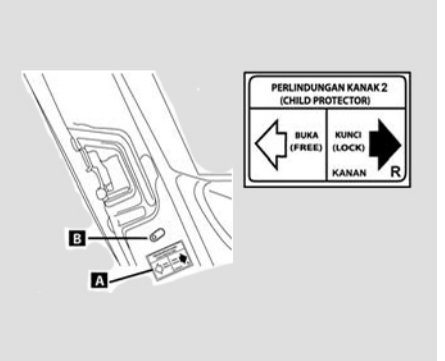
Manual Closing of Trunk Lid



When the vehicle is stationary and the trunk lid is open, press down slowly at the indicated position in the figure until a clicking sound is heard to close the trunk lid.

Child Safety Lock

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



A – Child protector label
B – Child safety lock release switch

The child safety lock switch is located on the outside edge of the rear door.
Each rear door has a child-lock release switch (B), as shown in the illustration.

Operation of Child Safety Lock Release Switch

LOCK Position

- Move the lever to the right to set the child lock to LOCK position.
- While in LOCK position, you cannot open the rear doors from inside the vehicle.
- When the child safety lock is in operation, use the exterior door handle to open the rear door.

RELEASE Position

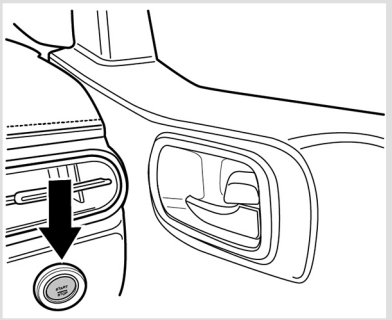
- Move the lever to the left to set the child lock to FREE position.
- If the switch is set to FREE position, the child safety lock mechanism will disable.

After setting the child safety lock, be sure to check whether the door can be opened from inside to ensure the normal operation of child safety lock.◀

Start Switch

Push Start Button

Ignition Switch



The vehicle is equipped with an ignition switch, which is a push start button. An intelligent key that matches the vehicle needs to be placed in the vehicle and detected to activate the system.

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 the ACC (accessory) position, certain electrical components such as the multimedia unit and backup power supply can be operated while the system remains in standby mode.

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

If the brake pedal is not pressed and the ignition switch is pressed, the ignition will switch to the ON position without starting the engine



Leaving the ignition switch in ACC position after engine shutdown will drain the battery. Continuous battery drain may prevent you from starting the vehicle.◄

ON:

In the 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.

If the brake pedal is not pressed and the ignition switch is pressed again, the ignition will switch to the OFF position (vehicle power supply turn off).



Leaving the ignition switch in ON position after engine shutdown will drain the battery. Continuous battery drain may prevent you from starting the vehicle.◄

START:

The vehicle can be started when the ignition switch is in the START position.

When the engine is off, press and hold the brake pedal while briefly pressing the ignition switch will start the engine.

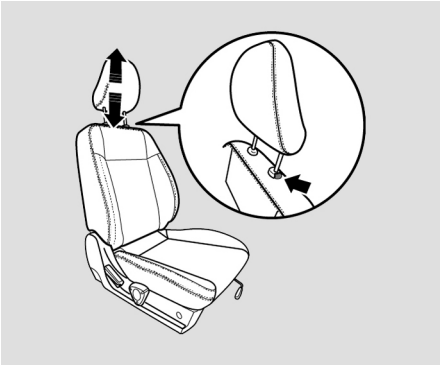
While in the START position, the system will automatically continue cranking the engine until it starts running.

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

Seat

Front Seats

Adjustment of Headrests



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

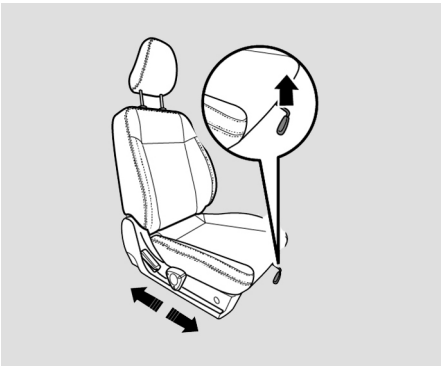
Before driving the vehicle, install and adjust the headrest correctly, so that its top is flush with the top of the passenger head. Otherwise, it may cause personal injury or death in the event of an accident.◄

Do not adjust the seat during driving. This may cause the vehicle to lose control and cause personal injury or death.◄

The seatback should not be inclined too much during driving. Otherwise, it may cause personal injury or death in the event of a collision.
In the event of an accident, the seat belt can provide maximum protection only by maintaining the correct sitting posture.◄

Manual Adjustment of Driver Seat

Seat Forward And Backward Adjustment Lever



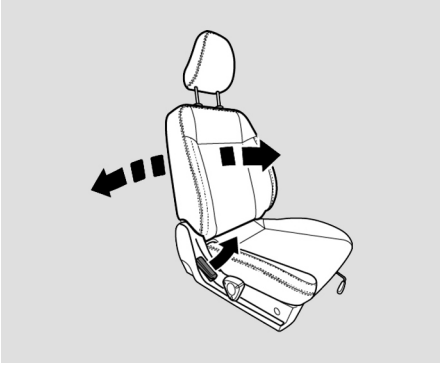
1. Hold the middle of the forward/backward adjustment lever and pull it up. Lean lightly against the seat and slide the seat to the desired position.
2. Release the adjustment lever until the seat rail clicks and the seat is locked.

Make sure the seat is safely locked. Move the seat to the front or rear to ensure the seat is locked.◄

Seatback Angle Adjustment Handle

The mechanism for the recline position of the seat back is a spring loaded type. When the lock lever is operated, this mechanism causes the seat back to return to the vertical position.

Before you use the lever, sit with your body on the seatback. While you pull and hold the lock lever, hold the seat back with your hand to control the return motion. ◄

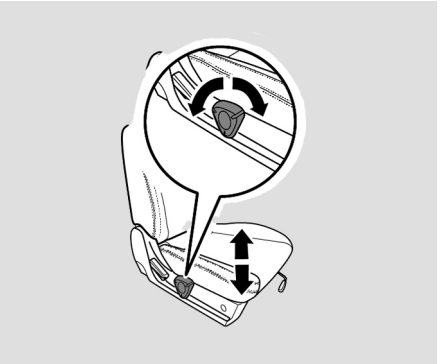


1. Lean forward slightly and pull up the seatback lock lever (seatback angle adjustment handle).
2. While you hold the seatback lock lever, lean backward to the desired position.
3. Release the seatback angle adjustment handle to lock the seatback.
   Make sure the seatback is locked in that position.

Seat Height Adjustment Knob (Driver Seat Only)

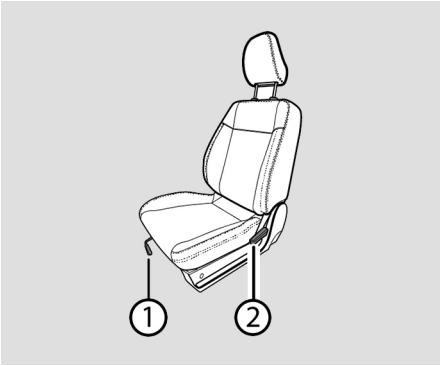
Use the seat height adjustment knob to control and adjust the seat cushion height:

- **To raise** – Rotate the seat height adjustment knob clockwise.
- **To lower** – Rotate the seat height adjustment knob counterclockwise.



Raising the cushion height may be difficult if you try to adjust it while sitting on the seat due to the load. Rotate the height adjustment knob before sitting down. ◄

Manual Adjustment of Front Passenger Seat



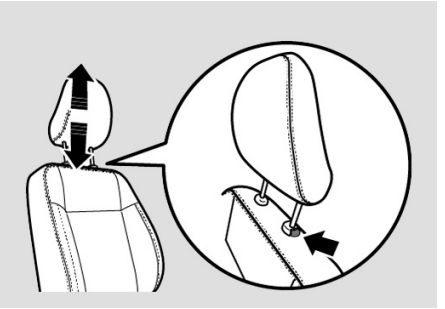
1. Seat forward/backward adjustment lever
2. Seatback angle adjustment handle

The manual adjustment methods for the front passenger seatback angle and forward/backward position are identical to those of the driver seat.

Rear Seats

Adjustment of Headrest*

On certain models, the rear seats are equipped with adjustable head restraints (headrest). Refer to your vehicle for the actual configuration. ◄



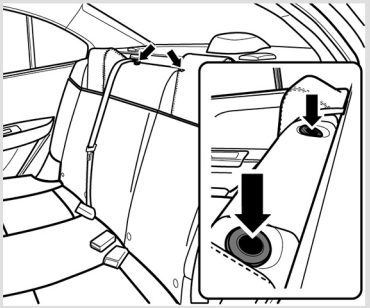
1. Press and hold the adjustment button under the rear seat headrest;
2. Lift up or press down the headrest to the desired height, and then release the button;
3. Gently press or lift up the headrest again until a click sound is heard, to ensure that the headrest is locked in place.

Folding The Rear Seat*

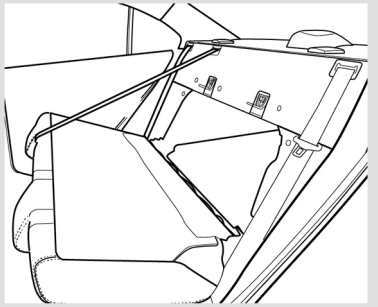
You can create more space from the luggage compartment and the passenger cabin to store more items and long objects by folding the rear seat seatbacks.

The right and left rear seatbacks are in 60/40 split configuration. ◄

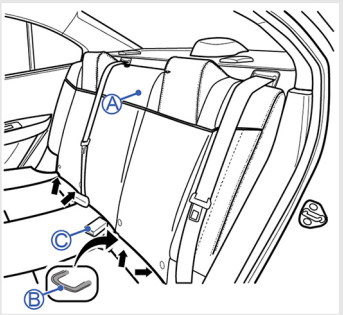
The rear seat illustrations are for reference only. Certain models may be equipped with a rear centre seat headrest or removable headrests. The actual vehicle configuration shall take precedence. ◄



1. Press and hold the release button of the seatback.
2. Pull the seatback and fold it down.
3. Push and flat the rear seatback to the front.



Before the rear seatback is folded, make sure you put all buckle holders flat and away from the ISOFIX lower anchorage. ◄

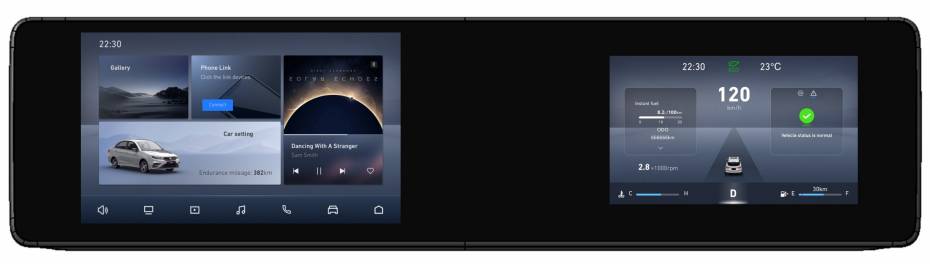


A — Rear seatback
B — ISOFIX lower anchorage
C — Buckle holder of the seat

Multi Display Unit (MDU)

Overview of Multi Display Unit (MDU)

Type 1 (RHD Vehicle)



Type 2 (RHD Vehicle)



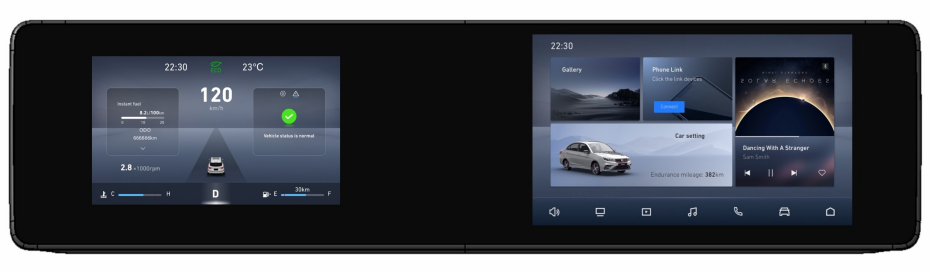
Main Description

1. **Left Display Screen - Multimedia Unit**
   Multimedia unit is also known as Infotainment Head Unit (IHU).
   Displays multimedia entertainment such as radio, music and gallery. Multimedia unit also provide access to vehicle setting, bluetooth phone and Android Auto Apple Carplay function (if fitted).

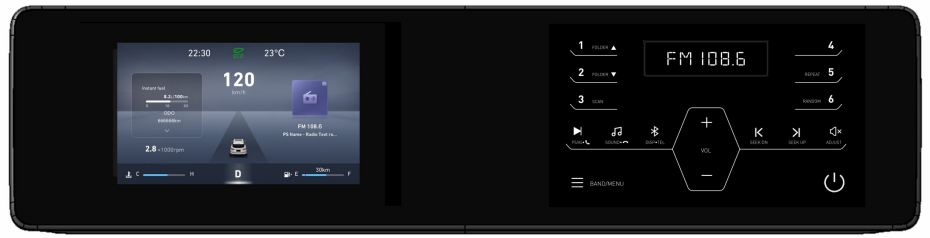
2. **Right Display Screen - Meter Instrument**
   Includes clock, date, speedometer, information menu, tachometer, warning notification, meter setting and water temperature gauge.
   It also displays the current gear information and remaining fuel estimation.

Refer to multimedia manual for details of multimedia unit usage and functions. ◄

Type 3 (LHD Vehicle)



Type 4 (LHD Vehicle)



Main Description

1. **Left Display Screen - Meter Instrument**

   Includes clock, date, speedometer, information menu, tachometer, warning notification, meter setting and water temperature gauge.

   It also displays the current gear information and remaining fuel estimation.

2. **Right Display Screen - Multimedia Unit**

   Multimedia unit is also known as Infotainment Head Unit (IHU).

   Displays multimedia entertainment such as radio, music and gallery. Multimedia unit also provide access to vehicle setting, bluetooth phone and Android Auto Apple Carplay function (if fitted).

Refer to multimedia manual for details of multimedia unit usage and functions. ◄

Overview of Meter Instrument



1. **Clock**
   Displays the time.
   The time format can be set.

2. **Speedometer**
   The speedometer shows the current vehicle speed.

3. **Information Menu**
   Displays the trip Information, including instantaneous fuel consumption, short trip, and long trip.

4. **Tachometer**
   The tachometer indicates the engine speed per minute (rpm or r/min), and the tachometer scale range is 0 ~ 8000 rpm.
   The red zone range is 6000 ~ 8000 rpm.

5. **Notification and Setting Menu**
   Shows the display setting menu, multi-media sources, alarm list and vehicle status.

6. **Water Temperature Gauge**
   The water temperature gauge indicates the temperature of the engine coolant, which will change according to the air temperature and engine load.
   The lower limit of the water temperature gauge is marked C (cold), and the upper limit is marked H (hot). It is shown on the LCD screen with 8 segments.
   When the engine coolant temperature is high, the 8th segment is displayed in red, and the water temperature gauge symbol changes from white to red.

7. **Gear Display**
   R, N, D or P will be displayed according to the gear currently selected by the driver.

8. **Fuel Gauge**
   It shows the estimation of mileage that can be traveled with the remaining fuel.
   If low fuel level warning indicator is illuminated, please refuel the fuel tank immediately.

The brightness of the 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 vehicle. ◄

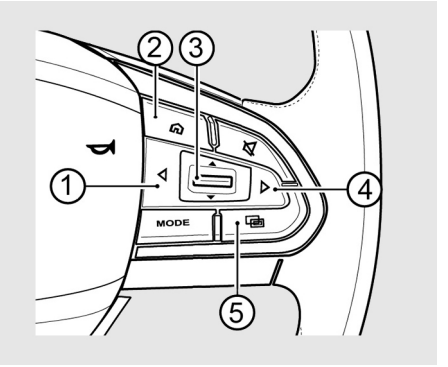
Display Settings

Do not adjust the meter instrument display while driving. ◄

Under Settings interface, you can select and edit the following setting:

- Views (meter instrument display)
- Alarm Volume
- Overspeed Alert
- Date and Time
- Language
- Short Trip Reset (reset current mileage)
- Set Units (change unit of measurement)

Steering Wheel Adjustment Button



1. **Left button**
   When the mode of the steering wheel button is switched to control the meter instrument, short press this button to return to the previous level menu or move to left selection item.

2. **Home button**
   Short press this button to return to the homepage interface of the multimedia unit or meter instrument.

3. **Select/confirm button**
   When the mode of the steering wheel button is switched to control the meter instrument, push this button upward or downward to view the option and short press this button to confirm the selection.

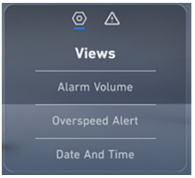
4. **Right button**
   When the mode of the steering wheel button is switched to control the meter instrument, short press this button to enter the next level menu or move to right selection item.

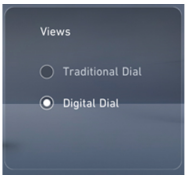
5. **Mode switch button**
   Short press this button to switch the mode of the steering wheel button to control the meter instrument. If no button is operated within certain period, the steering wheel button control will resume to its default setting (to control the multimedia unit).

Meter Instrument Display

Users can select the meter instrument theme via :

Settings → **Views**, and select the theme between Traditional Dial (dual dial) or Digital Dial (single dial) in this interface.





Traditional Dial View



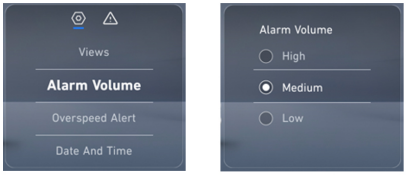
Digital Dial View



When vehicle is powered on for the first time, the meter instrument defaults to Digital Dial view.

After ignition is turned off, the selected theme is retained upon restarting the vehicle. If the battery is disconnected, the theme resets to default.

Alarm Volume Settings



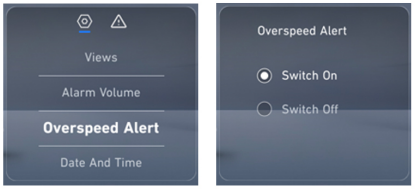
Click the following on the meter instrument display in sequence:

Settings → Alarm Volume, and select your desired volume level.

The alarm volume settings are divided into three levels : High, Medium, Low. The default level is Medium.

After the ignition is turned off, the alarm volume setting information is retained upon restarting the vehicle. If the battery is disconnected, the default setting is restored.

Overspeed Alert



Click the following on the meter instrument display in sequence:

Settings → Overspeed Alert, select whether to switch off or switch on the overspeed reminder.

Date and Time Settings

Click the following on the meter instrument display in sequence:

Settings → Date and Time.

Push the select/confirm button upward or downward to select Time Format, Date Set, or Time Set.



Time Format

Select Time Format, short press select/confirm button or right button to enter the third-level menu, and view the default time format setting.

Push the select/confirm button upward or downward to modify, then press select/confirm button to confirm.

- In 24-hour format, the display shows xx hours xx minutes.
- In 12-hour format, the display shows xx hours xx minutes AM/PM, and AM/PM can be selected.

Date Set

Select Date Set, short press the select/confirm button or right button to enter the third-level menu and view the current date.

- Press the right or left button to move the selection to year (Y), month (M) or day (D).

- Push the select/confirm button upward or downward to increase or decrease the value of each setting.
- Short push the select/confirm button changes by 1 step (year, month or day), while long push changes continuously until the button is released.

After modify the date, short press the select/confirm button to confirm the date setting. The interface returns to the previous menu and updates the new date on meter instrument display as well as other systems in the vehicle.

Pressing the left button also returns to the previous menu, but the new date on other systems in the vehicle will not be updated nor synchronized.

When changing the month, if the selected date does not exist in the new month, the date automatically adjusts to the maximum available day. Example: Switching from March 31 to April changes the date to April 30.

Time Set

Select Time Set, short press the select/confirm button or right button to display the current time.

- Press the right or left button to move the selection to hour (H) or minute (M).
- Push the select/confirm button upward or downward to increase or decrease the value of each setting.
- Short push the select/confirm button changes by 1 step (hour or minute), while long push changes continuously until the button is released.
- In 12-hour format, press the right button again to move to AM/PM, then push the select/confirm button up or down to select.

After modify the time, short press the select/confirm button to confirm the time setting. The interface returns to the previous menu and updates the new time on meter instrument display as well as other systems in the vehicle.

Pressing the left button also returns to the previous menu, but the new time on other systems in the vehicle will not be updated nor synchronized.

Language Settings



Click the following on the meter instrument display in sequence:

Settings → **Language**, and select English or Malay.

Default language is English.

After ignition is turned off, the selected language is retained upon restarting the vehicle. If the battery is disconnected, language resets to default setting.

Short Trip Reset



Click the following on the meter instrument display in sequence:

Settings → Short Trip Reset.

Short press select/confirm button or right button to enter the second-level menu of Short Trip Reset.

Push the select/confirm button upward or downward to select Parking Reset or Refueling Reset, then press select/confirm button to confirm.

- **Parking Reset** : Current mileage will be reset automatically after certain period of time from turning off the vehicle.
- **Refueling Reset** : Current mileage will be reset automatically after certain period of time from refueling the vehicle.

When powered on for the first time, the default setting is Parking Reset.

After ignition is turned off, the selected reset method is retained upon restart. If the battery is disconnected, the setting resets to default.

Set Units

Click the following on the meter instrument display in sequence:

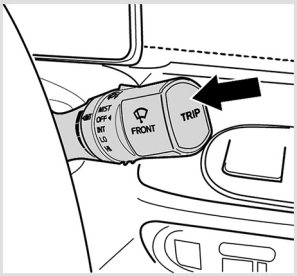
Settings → Short Trip Reset → Mileage & Fuel Consumption Unit, and select unit options for mileage and fuel consumption.

- Unit options: Km, L/100 Km or Km, Km/L
- Default setting: Km, L/100 Km

Trip Information Display



The trip information display includes Instant Fuel (current fuel consumption), Short Trip (current mileage), and Long Trip (subtotal mileage).



By default, the meter instrument displays the instantaneous fuel consumption information when the vehicle power is switch on for the first time.

The user can cycle through the trip information display pages by briefly pressing the **TRIP button** or when the focus is on the trip information display, push the select/confirm button upward or downward to view them.

Short Trip displays single trip mileage, driving duration, average speed and average fuel consumption per trip.

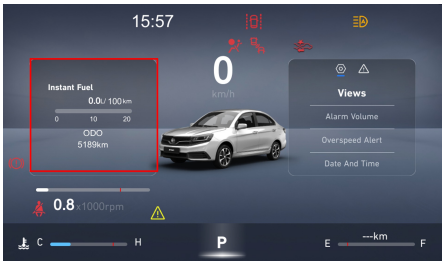
Long Trip displays subtotal mileage, total driving duration, average speed and average fuel consumption.

After the meter instrument is powered on, the trip information display defaults to the last page selected by the user.

Vehicle Status Information

The vehicle status information consists of instantaneous fuel consumption and subtotal mileage information.

Trip Information Reset



In the current mileage and subtotal mileage interface of the trip information display, press and hold the TRIP button to reset the corresponding information.

Type of Alarm Prompt

Type 1 : Security Information



In situations that seriously affect driving safety and requiring the user to immediately turn off the engine, stop the vehicle, or take over the steering wheel, a security warning will be displayed in the notification and setting menu area as part of the alarm list.

This type of alarm has the highest priority and can directly interrupt other lower priority alarm information. In such cases, the interrupted alarm will not adhere to the minimum display time.

This highest priority alarm remains displayed until the condition is resolved and cannot be hidden from the notification and setting menu area by pressing the select/confirm button.

Alarms of this type cannot interrupt each other. A newly triggered highest priority alarm will not replace one currently being displayed. After the active alarm has been shown for a certain time, the system checks for any newly triggered highest priority alarms to display it next.

If multiple alarms share the same priority, they are shown in a loop following the order they were triggered. While the system is checking for another triggered alarms, a newly triggered alarm with the same priority can interrupt so that it is handled without delay.

If multiple alarms of different priorities are in the queue, they are sorted from highest to lowest priority and being cycled in that order. If new alarms are added during the current display, the queue will be automatically sorted again based on the alarms priority.

After the current alarm completes its display, the cycle restarts from the highest priority alarm among the new entries, then continues in queue order.

Example of the alarm display queue process that is automatically done by meter instrument:

- Initial queue: A → B → D → F
- Priority order: A > B > C > D > E > F > G
- While B is being displayed, new alarms E and G are being triggered.
- After B completes its 4 seconds display, the new cycle starts from D (the next in the queue before the new alarms) and proceeds as following queue: D → E → F → G → A → B → D

Type 2 : Prompt Information

Information that prompts the user to take action is displayed in prompt alarm area as shown.



Type 2 alarm is low priority alarms and can be interrupted (not prioritised). The alarm currently being displayed will remain visible for a set duration before type 2 information is shown.

This type of alarm is displayed for a specified duration. If the condition persists beyond this time, the alarm is automatically hidden after the set duration. If the triggering condition clears within that time, the alarm is canceled immediately.

When multiple alarms of this type are triggered, they are queued and displayed in order of priority, from high to low, with each shown for the set duration. Alarms with the same priority are displayed in the order they were triggered.

Type 3 : General Information

General information alarms are used to inform the user of certain vehicle related information or specific triggered alarms and are displayed in notification and setting menu area as part of the alarm list.





This type of alarm remains displayed until the condition clears. It can be hidden from the notification and setting menu area by short or long pressing the select/confirm button.

A hidden alarm display will only reappear if the condition has cleared and then it is being triggered again.

When the ignition switch is OFF and then turned ON, there is no alarm list at notification and setting menu area. So pressing the confirm/select button will simply clear any alarm display that is currently showing.

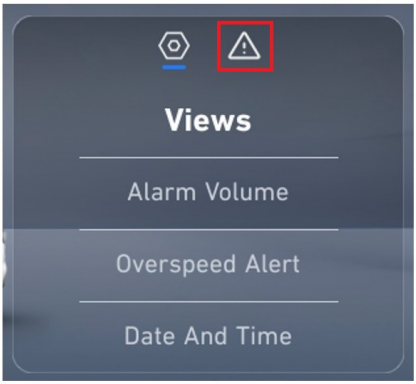
General information alarms will not interrupt each other. A newly triggered alarm will not replace the one that is currently being displayed. After the active alarm has been shown for a set duration, the system searches for the highest priority alarm among new triggers to display next.

If multiple alarms of the same priority are triggered, they are shown in a loop for the set duration in the order they were triggered.

If multiple alarms of different priorities are in the queue, they are sorted from highest to lowest priority and being cycled in that order.

If new alarms are added during the current display, the queue will be automatically sorted again based on the alarms priority.

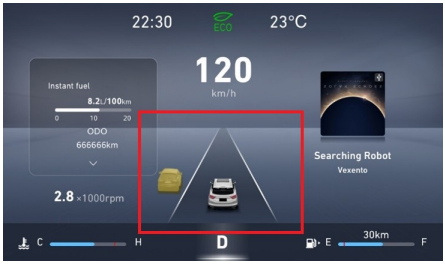
After the current alarm completes its display, the cycle restarts from the highest priority alarm among the new triggered alarms, then continue in queue order (same as type 1 alarm).



Alarm information in the background (hidden) can be checked or seen anytime by selecting the alarm icon at notification and setting menu area. ◄

Type 4 : Special Information

Type 4 alarm is a non-text alerts, such as lane departure warnings, are shown on the three-lane interface to indicate that the active safety system is functioning normally.



This type of alarm has the lowest priority. Once triggered, it remains displayed on the meter display until the condition clears.

If multiple alarms of the same priority are triggered, they are shown in the order they were triggered. When a higher priority alarm interrupts a lower priority one, the interrupted alarm does not need to meet the minimum display time.

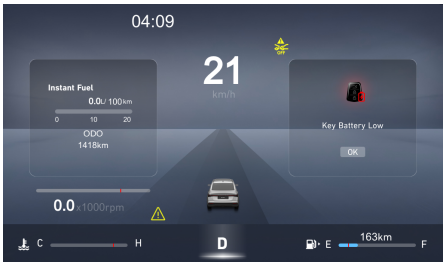
As part of the normal interface cycle, it can be operated using the steering wheel controls.

Example of Alarm Prompt


















06:20
11
km/h
Instant Fuel
0.0L/100km
ODO
1434km
Turn Signal Lamp Failure
OK
0.0 /1000rpm
C
H
D
E
F
172km


04:05
0
km/h
Instant Fuel
0.0L/100km
ODO
1417km
Keep Safe Distance
0.0 /1000rpm
C
H
D
E
F
163km


06:31
11
km/h
Instant Fuel
0.0L/100km
ODO
1436km
Engine Oil Pressure Low
OK
0.0 /1000rpm
C
H
P
E
F
172km


04:05
0
km/h
Instant Fuel
0.0L/100km
ODO
1417km
Press the Brake
0.0 /1000rpm
C
H
D
E
F
163km


06:22
11
km/h
Instant Fuel
0.0L/100km
ODO
1435km
Brake Lamp Failure
OK
0.0 /1000rpm
C
H
D
E
F
172km


04:10
21
km/h
Instant Fuel
0.0L/100km
ODO
1418km
IGN1 Relay Failure
OK
0.0 /1000rpm
C
H
D
E
F
163km


04:15
21
km/h
Instant Fuel
0.0L/100km
ODO
1420km
OK
0.0 /1000rpm
C
H
D
E
F
163km


04:11
21
km/h
Instant Fuel
0.0L/100km
ODO
1418km
Keyless Start System Failure
OK
0.0 /1000rpm
C
H
D
E
F
163km


06:54
11
km/h
Instant Fuel
0.0L/100km
ODO
1440km
Engine Coolant Temperature
High, Please Check Radiator
OK
0.0 x1000rpm
C
H
D
E
F
172km


04:52
0
km/h
Instant Fuel
0.0L/100km
ODO
1423km
PEPS System Failure
OK
0.0 x1000rpm
C
H
D
E
F
163km


04:32
0
km/h
Instant Fuel
0.0L/100km
ODO
1423km
Airbag Failure,
Call Proton Service
OK
0.0 x1000rpm
C
H
D
E
F
163km


06:21
11
km/h
Instant Fuel
0.0L/100km
ODO
1435km
Please Turn Off The Power
OK
0.0 x1000rpm
C
H
D
E
F
172km

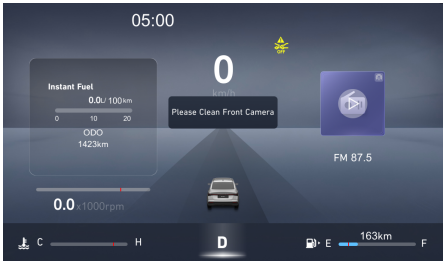

04:32
0
km/h
Instant Fuel
0.0L/100km
ODO
1423km
EPS Failure
OK
0.0 x1000rpm
C
H
D
E
F
163km


06:22
11
km/h
Instant Fuel
0.0L/100km
ODO
1435km
Driver Door Open
When Power Not Off
OK
0.0 x1000rpm
C
H
D
E
F
172km


06:19
11
km/h
Instant Fuel
0.0L/100km
ODO
1434km
Low Beam Failure
OK
0.0 x1000rpm
C
H
D
E
F
172km

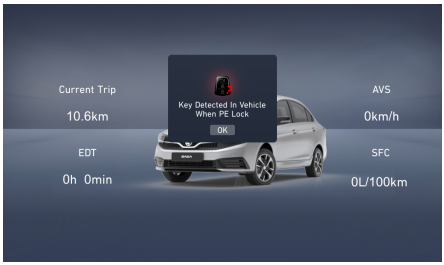

06:52
11
km/h
Bahan Api Segera
0.0L/100km
ODO
1440km
Autolock Activated
FM 87.5
0.0 x1000rpm
C
H
D
E
F
172km


06:51
11
km/h
Autolock Deactivated
Instant Fuel
0.0L/100km
0 10 20
ODO
1440km
FM 87.5
0.0 x1000rpm
C H
D
E F
172km


05:00
0
km/h
Please Clean Front Camera
Instant Fuel
0.0L/100km
0 10 20
ODO
1423km
FM 87.5
0.0 x1000rpm
C H
D
E F
163km


04:02
240
km/h
Over Speed Limit
Instant Fuel
0.0L/100km
0 10 20
ODO
1416km
FM 87.5
0.0 x1000rpm
C H
D
E F
163km


Current Trip
0km
EDT
0h0min
Position Lamp
Not Turned OFF
AVS
0km/h
SFC
0L/100km


Current Trip
10.6km
EDT
0h 0min
Key Detected In Vehicle
When PE Lock
OK
AVS
0km/h
SFC
0L/100km

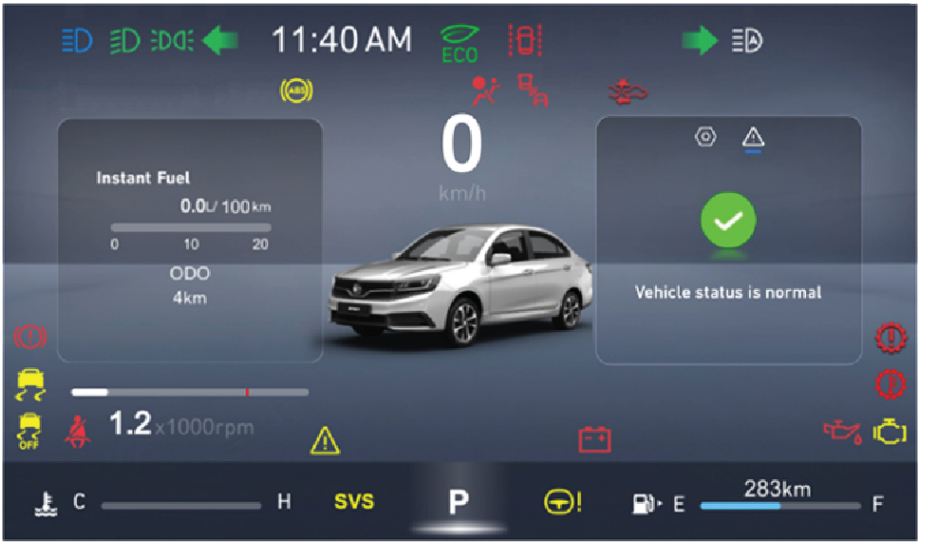

05:01
0
km/h
Limited Front Camera
Function
Instant Fuel
0.0L/100km
0 10 20
ODO
1423km
FM 87.5
0.0 x1000rpm
C H
D
E F
163km


04:58
0
km/h
Be Cautious
When Opening The Door
Instant Fuel
0.0L/100km
0 10 20
ODO
1423km
FM 87.5
0.0 x1000rpm
C H
D
E F
163km


05:04
0
km/h
Pedestrian Auto-Emergency
Braking Unavailable
Instant Fuel
0.0L/100km
0 10 20
ODO
1423km
FM 87.5
0.0 x1000rpm
C H
D
E F
163km

Warnings and Indicators

Introduction to Warnings and Indicators



Icon	Name	Description
	Left turn signal indicator	Left turn signal is on
	Right turn signal indicator	Right turn signal is on
	Low beam indicator	Low beam is on
	Low beam failure warning	Low beam has a failure
	High beam indicator	High beam is on
	Position light indicator	Position light is on
	Rear fog lamp indicator*	Rear fog lamp is on

Icon	Name	Description
	Anti-lock Braking System (ABS) failure warning	ABS system has a failure
	Low brake fluid /parking brake/ EBD indicator	Low brake fluid level, parking brake is engaged or EBD function has failure
	Airbag failure warning	Airbag system has a failure
	Seat belt unfastened warning	The seat belt is not fastened, please fasten the seat belt
	Engine emission failure warning	Engine emission has a failure
	Engine system failure warning	Engine system has a failure
	High water temperature warning	Engine water temperature is high
	Electronic Stability Control System (ESC) status indicator	Always on: ESC has failure. Flashing: ESC activated.
	Electronic Stability Control System – ESC OFF indicator	ESC is off / ESC SPORT
	Low fuel level warning	Fuel level is low.
	Low oil pressure warning	Engine oil pressure is low
	Battery charging failure warning	Battery charging system has a failure
	Transmission failure warning	The transmission has a minor failure
		The transmission has a major failure

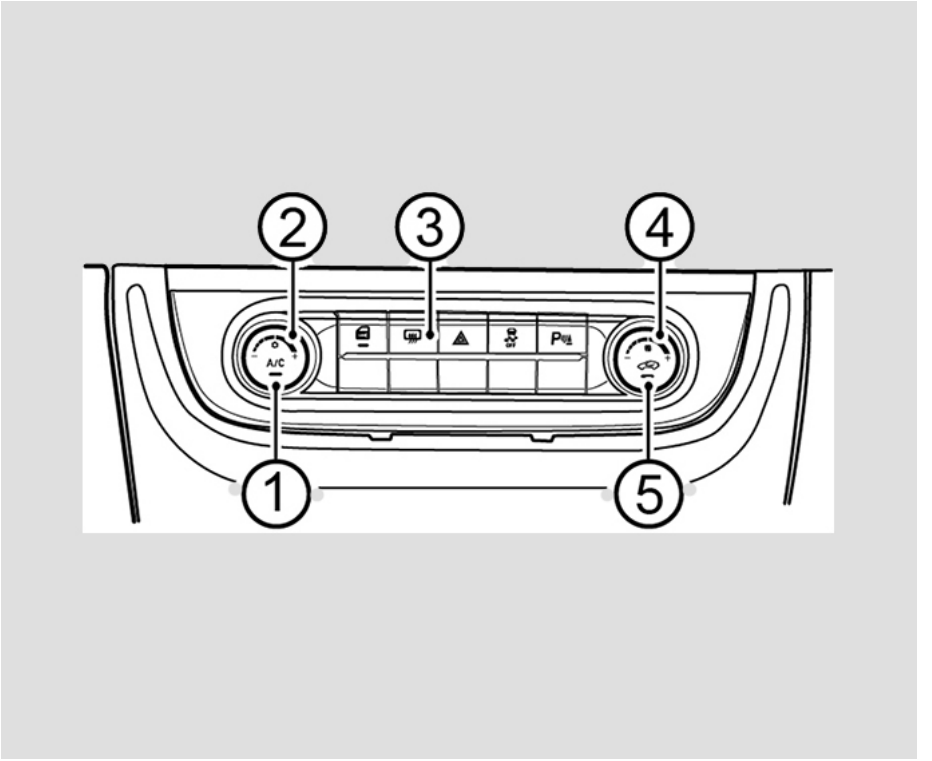
Icon	Name	Description
	Electric Power Steering (EPS) failure warning	EPS system has a failure
	Indirect Tyre Pressure Monitoring System (i-TPMS) status indicator*	One or more tyres have abnormal tyre pressure
	Autonomous Emergency Braking (AEB) OFF indicator*	AEB system is off
	Autonomous Emergency Braking (AEB) failure warning*	AEB system has a failure
	Lane Departure Warning (LDW) status indicator*	LDW is enabled and working
		LDW has a failure
	Blind Spot Detection (BSD) status indicator*	Functions in RSRS system is enabled and working
		BSD indicators at side mirror flash when vehicle detected at blind spot area.
		Blind spot detection function or RSRS has a failure
	Intelligent High Beam Control (IHBC) status indicator*	Intelligent high beam is on
		Intelligent high beam has a failure
	Warning information indicator	There is failure alarm message/notification on meter

When starting the engine or turning ON the ignition switch, some warning lights will turn on for a few seconds before turn off. If the warning light continues illuminate or lights up during driving, contact an authorised PROTON service outlet as soon as possible for inspection. ◄

Air Conditioner (A/C)

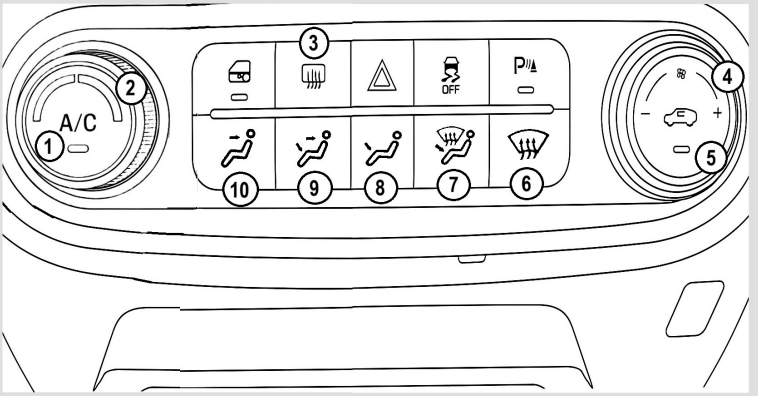
Front A/C Control System

A/C Control Button on Instrument Panel (Type 1)



1. A/C button
2. Temperature adjustment knob
3. Rear defroster/defogger button
4. Blower speed adjustment knob
5. Air circulation switch button

A/C Control Button on Instrument Panel (Type 2)



1. A/C button
2. Temperature adjustment knob
3. Rear defroster/defogger button
4. Blower speed adjustment knob
5. Air circulation switch button
6. Front defroster/defogger button
7. Air outlet mode window blowing button
8. Air outlet mode foot blowing button
9. Air outlet mode face/foot blowing button
10. Air outlet mode face blowing button

Description of Front A/C Control Button

1. **A/C button**

   Press this button and the refrigeration function of the A/C compressor is turned on. The button indicator will illuminate in amber.

   Press this button again to turn the A/C 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. ◄

2. **Temperature adjustment knob**

   For type 1 :

   Rotate the knob clockwise to get colder A/C function (decrease temperature)

   Adjust the knob adjust counterclockwise to decrease the coldness (increase temperature).

   For type 2:

   Rotate the knob clockwise to get warmer A/C function (increase temperature or turn on the heater function)

   Adjust the knob adjust counterclockwise to increase the coldness (decrease temperature or turn off the heater function).

3. **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 amber.

   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. ◄

4. **Blower speed adjustment knob**

   Rotate this knob clockwise or counterclockwise to adjust the air blower speed of A/C system.

   There are 8 speed levels that can be adjusted (between 0~8).

   Turning this knob to the most counterclockwise position (to level 0) will also turn off the A/C system.

5. **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, this button lights up in amber. Press the button again to switch to external circulation, and the amber light will turn off.
   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. ◄

6. **Front defroster/defogger button (for front windshield)**
   After the vehicle is started, press this button to turn on the front windshield defroster or defogger function.
   When the front windshield defroster or defogger function is enabled, the button indicator will illuminate in amber.
   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.
   Press this button again to turn off the rear windshield defroster or defogger, the air blower speed and the air circulation mode selection will return to the previous mode.

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

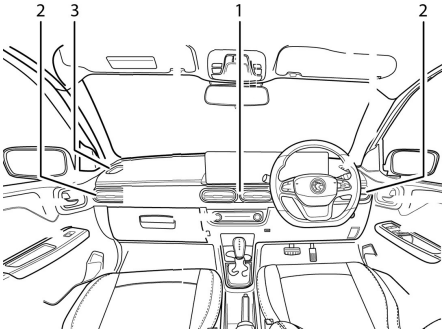
8. **Air outlet mode foot blowing button**
   Press this button to select the air outlet mode as foot blowing mode.

9. **Air outlet mode face/foot blowing button**
   Press this button to select the air outlet mode as face and foot blowing mode.

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

Adjustment of Air Outlets

Front Air Vent



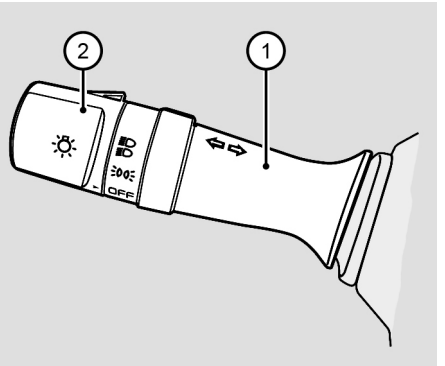
1. Centre Air Outlet (centre air vent)
2. Side Air Outlets (right or left air vent)
3. Front Defogger*

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

Lighting

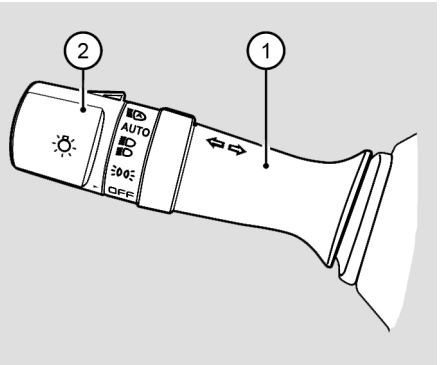
Light Combination Switch

Type 1



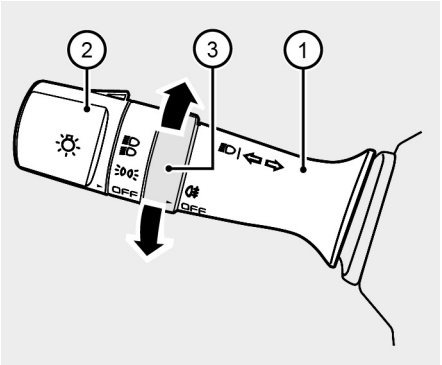
1. Light control combination lever
2. Light control switch

Type 2



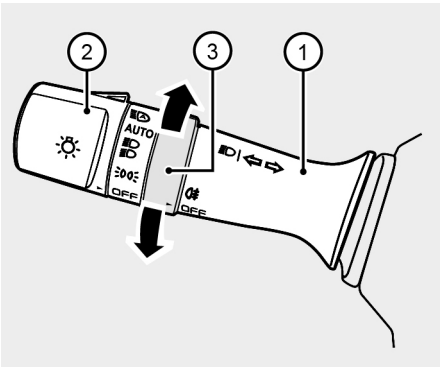
1. Light control combination lever
2. Light control switch (with IHBC)

Type 3



1. Light control combination lever (with rear fog lamp)
2. Light control switch
3. Rear fog lamp switch

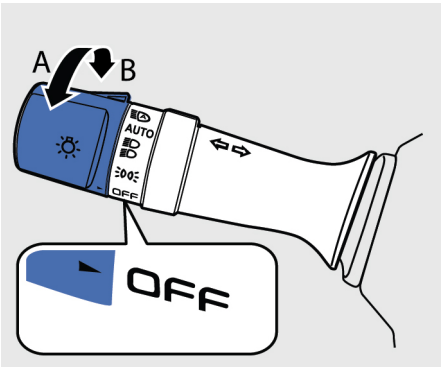
Type 4



1. Light control combination lever (with rear fog lamp)
2. Light control switch (with IHBC)
3. Rear fog lamp switch

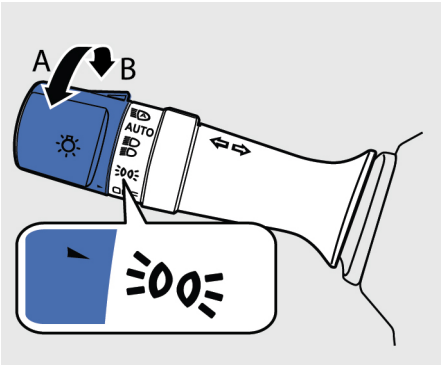
Operations of Light Combination Switch

Turn OFF Lamp



When the light control switch with the mark ► points to **OFF** position, the rear position lamps will turn off and daytime running lamps will stay on.

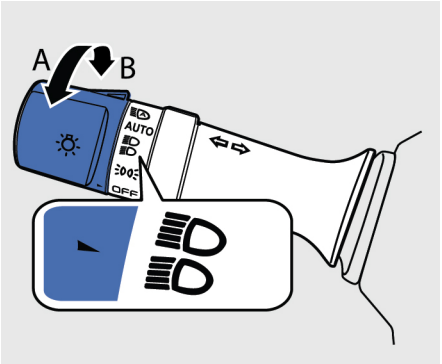
Position Lamp



Rotate the light control switch in direction **B** from **OFF** position till the mark ► points to position. The rear position lamps and the daytime running lamps will illuminate. Turn the light control switch in direction **A** till the mark ► points to **OFF** position.

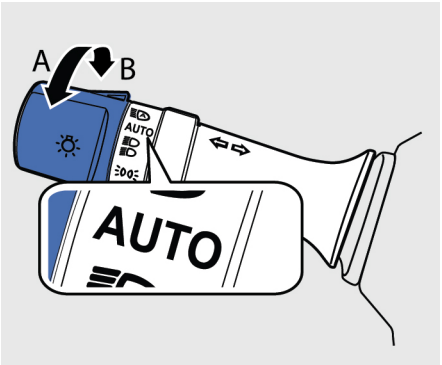
The rear position lamps will turn off and daytime running lamps will stay on.

Low Beam Lamp



Turn the light control switch in direction **B** till the mark ► points to the position. The low beam lamps will turn on. Turn the light control switch in direction **A** till the mark ► points to the position or **OFF** position, and the low beam lamps will be turned off.

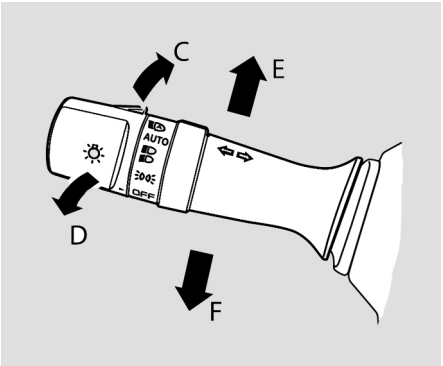
Headlamp Automatic Lighting*



Turn the light control switch in **B** direction till the mark ► points to **AUTO** position. The automatic lighting function will be activated.

The headlamp automatic lighting function will automatically turns headlamp on and off based on external light intensity; in which automatically control the position lamp and the low beam lamp.

Headlamp automatic lighting has manual control priority function in its automatic work mode; the system will exit automatic lighting mode if there is light signal input (driver manually operates the light control switch and lever). ◄



High Beam Lamp

While the low beam lamp is on, push the light control combination lever forward to the endmost position in direction **C** to turn on the high beam lamps. Pull the light control combination lever in direction **D** (towards driver) to its park position to turn off the high beam lamps.

Flashing the High Beam Lamp

Each time the light control combination lever is pulled backward (towards driver) in direction **D** to the endmost position, the high beam lamps will flash. Once the light control combination lever is release, the high beam lamps will automatically turn off; Repeat the operation to flash high beam.

Turn Signal Lamp

Move the light control combination lever in direction **E** (upward) or **F** (downward) to the endmost position. The right or left turn signal lamp will flash. After complete making a turn, the light control combination lever will automatically return to its park position and the turn signal lamp will be off.

In some situations, such as when making only a slight turn, the light control combination lever may not automatically return to its original park position. If this happens, please manually return the light control combination lever to its park (off) position to avoid misleading other drivers. ◄

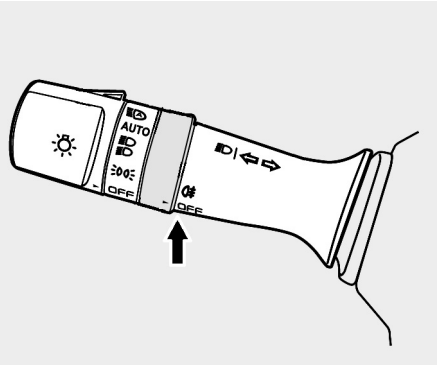
Lane Changing Function

Move the light control combination lever in direction **E** or **F** and release it to let the light control combination lever automatically return to its park position. The right or left turn signal lamp will automatically flash 3 times and then turn off.

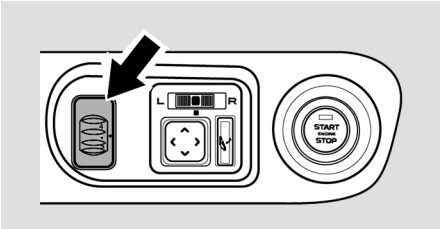
Rear Fog Lamp*

While the low beam lamp is on, turn the rear fog lamp switch upwards (the arrow pointing to rear fog lamp symbol) to turn on the rear fog lamps.

Turn the rear fog lamp switch downwards (the arrow pointing to **OFF**) to turn off the rear fog lamps.



Headlamp Leveling



According to the number of passengers and the load of the vehicle, turn the headlamp leveling switch up and down to adjust the height of headlamp beam.

The switch has five main positions: —, 1, 2, 3, and 4. Between each main position, there is an additional intermediate notch. Adjust the switch according to the load condition:

– : Only driver seat is occupied.

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

2 : Only driver seat and all passenger 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)

4 : The driver seat is occupied, all passenger seats are occupied and the luggage compartment is under full load (not exceeding the permissible load of the rear axle)

While adjusting the level of headlamp, adjust the level to a level that will not dazzle the eyes of oncoming road user. ◄

Daytime Running Light (DRL)

Daytime Running Light ON

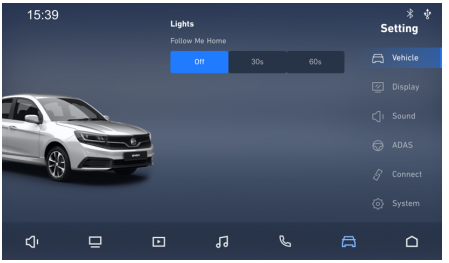
After the vehicle is started, when the gear is not in P gear and the low beam is off, the daytime running lights turn on.

Daytime Running Light OFF

The daytime running lights will turn off if:

- The vehicle is not started.
- The low beam is on.

Follow Me Home Light



Follow Me Home ON

Click the following on the multimedia display in sequence:

Setting → Vehicle → Lights → Follow Me Home, and then select any time setting to turn on the Follow Me Home function in this interface.

At night, when the vehicle anti-theft is disarmed and the Follow Me Home function is not turned off in the multimedia display, the Follow Me Home function will be automatically activated after the vehicle is powered off.

Follow Me Home OFF

Click the following on the multimedia display in sequence:

Setting → Vehicle → Lights → Follow Me Home, and then select Off under the Follow Me Home settings interface to turn this function off.

Timing of Follow Me Home

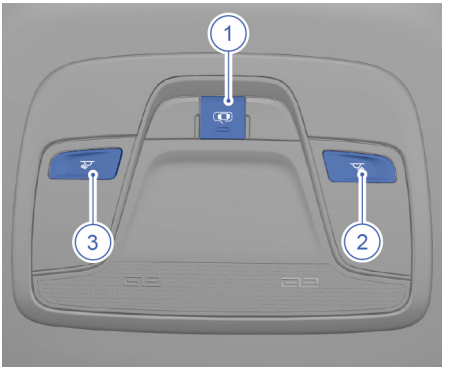
Click the following on the multimedia display in sequence:

Setting → Vehicle → Lights → Follow Me Home, and then select time between 30s and 60s under the Follow Me Home setting interface according to your needs.

Headlamp will remain on based on the set time. During the activation of the function, if any door (including the trunk) is opened, the timer will be reset to the preselected time.

Interior Lighting

Interior Light Switches



1. Door-controlled interior light switch
2. Right front interior light switch
3. Left front interior light switch

Press the door-controlled interior light switch to turn on the door control mode.

It automatically turns the interior light on or off based on the status of the vehicle's doors.

Press the right interior light switch to turn on the right interior light.

Press the left interior light switch to turn on the left interior light.

Avoid using the front interior lights when driving at night. Bright lights may prevent the driver from safe driving, causing traffic accidents.◄

Door Control Mode Function

Interior Lamp ON

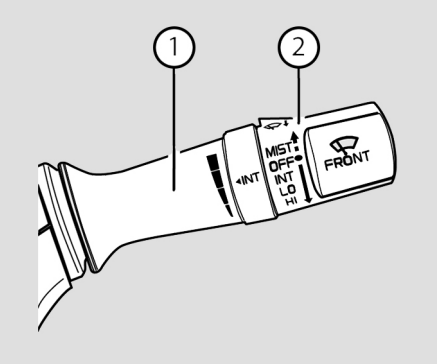
- When the four doors are closed, the interior lights fade in after the engine is turned off.
- When the four doors are closed, the interior lights fade in when an unlocking command is received after the engine is turned off.
- When any door is opened, the interior lights fade in.

Interior Lamp 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.

Wipers

Wiper Combination Switch



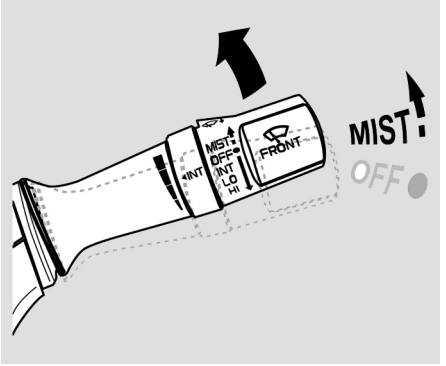
1. Wiper control combination lever
2. Wiper control switch

When the front windshield is dry, do not use wipers; otherwise, the wipers will scratch the front windshield, and affect service life of wiper blades. ◄

If there is dust or sandstone on the front windshield, clean them first before using the wipers. Otherwise, the wipers may scratch the front windshield and affect service life of wiper blades. ◄

Operations of Wiper Control Combination Switch

MIST (Wiping Once)



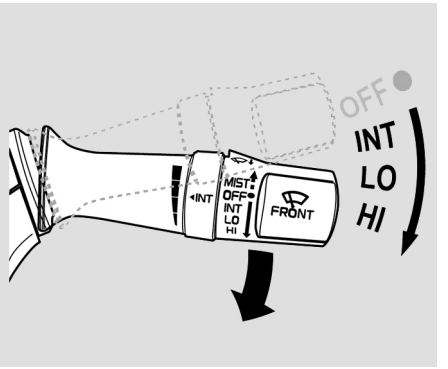
Push the wiper control combination lever upward, and then release the lever. The front wiper will perform mist wiping operation (quick low-speed wipe) once.

Push the wiper control combination lever upward, and hold. The front wiper will perform mist wiping operation continuously and stop after the wiper lever is released.

OFF (Turn Off Wiper)

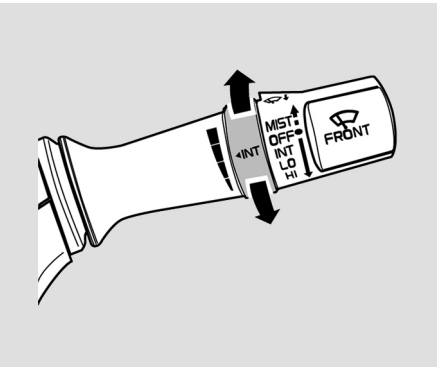
When the wiper control switch is in **OFF** position, the wipers function turn off and the wiper control combination lever stay in its park position.

INT (Intermittent Wiping)



Push the wiper control combination lever one step downward from OFF position, and the front wiper performs intermittent wiping operation.

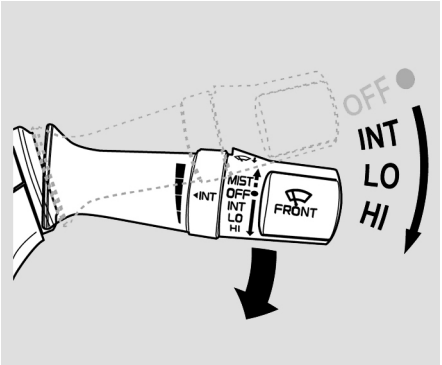
Adjusting the Intermittent Wiping Interval



There are four interval positions can be selected. The interval between each wiping become shorter (faster wiping) as you rotate the **INT** adjustment switch from lower to upper position.

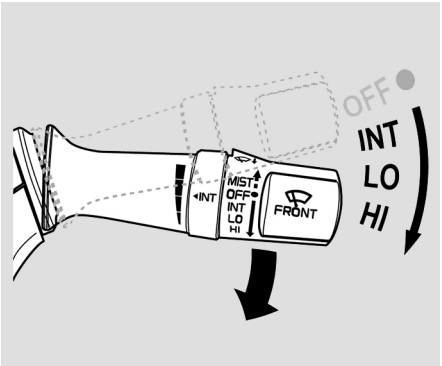
Rotate the switch upward or downward to adjust the intermittent interval duration as desired. At this time, the wiper control system automatically adjusts the intermittent wiping interval according to the selected intermittent interval (INT) position.

LO (Low-speed Wiping)



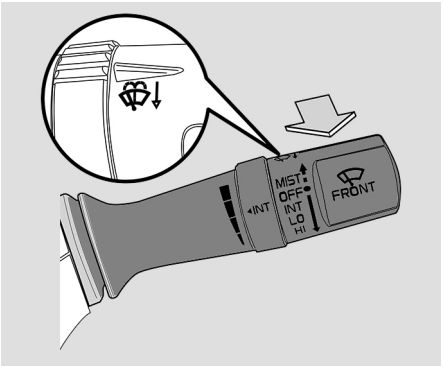
Push the wiper control combination lever downward to **LO** position, and the front wiper performs low-speed wiping operation.

HI (High-speed Wiping)



Push the wiper control combination lever downward to **HI** position, and the front wiper performs high-speed wiping operation.

Washer



Pull and hold the wiper control combination lever towards driver, and the front wiper will wipe while the washer of the front windshield sprays water.

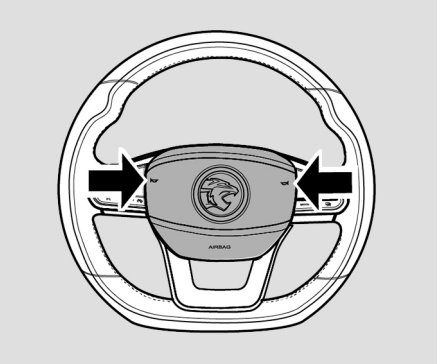
After releasing the wiper control combination lever, the washer will stop spraying water and cleaning process is completed. The wiper will continue to work for several cycles.

- Do not operate the wipers on a dry windshield. Running the wipers on a dry surface can damage the glass or cause premature wear of the wiper blades.

- Attempting to use frozen wipers can damage the wiper motor. Before operating the wipers in cold weather, ensure that the wiper blades are not frozen to the windshield.
- Do not operate the washer continuously for more than 20 seconds. Do not use the washer if the fluid reservoir is empty. Doing so may cause damage to the washer pump.
- Regularly check the washer fluid level in the reservoir. If the fluid is low, refill with appropriate washer fluid to ensure proper system operation.
- During cold weather, always use a recommended washer fluid formulated to prevent freezing. Using the wrong solution may lead to system damage. Ensure that washer fluid does not freeze upon contact with the windshield, as this can impair visibility and wiper performance.
- If the wipers are not moving due to ice or debris on the windshield; Do not forcefully operate the wipers or push the wiper control combination lever to the “OFF” position. Safely park the vehicle and turn off the ignition. Carefully clear the ice or particles from the windshield. Resume wiper operation only after the blades can move freely. ◄

Steering Wheel

Horn

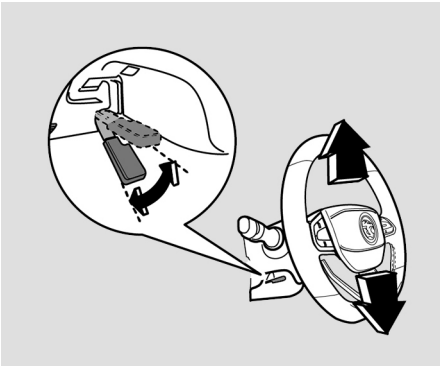


Press the horn icon area on the steering wheel (as indicated by the arrow) and the horn will sound.

Adjustment of Steering Wheel

Never adjust the steering wheel while the vehicle is running, otherwise, it may cause personal injury and property damage. ◄

After adjusting the steering wheel position, please confirm whether the steering wheel is locked properly; otherwise, it may cause personal injury and property damage. ◄

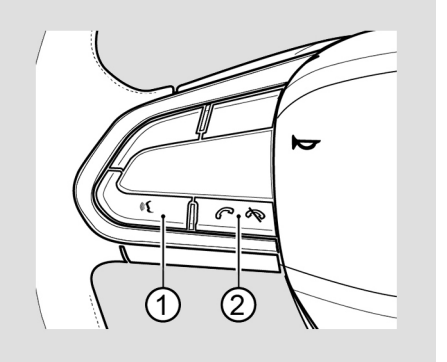


Adjust the steering wheel to the proper position by following these steps:

1. Adjust the seat to a proper driving position;
2. Turn the steering wheel to the straight-ahead driving position;
3. Release the steering wheel locking lever fully;
4. Use both hands to hold the steering wheel firmly and adjust it up or down 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.

Buttons on Steering Wheel

Left Control Buttons

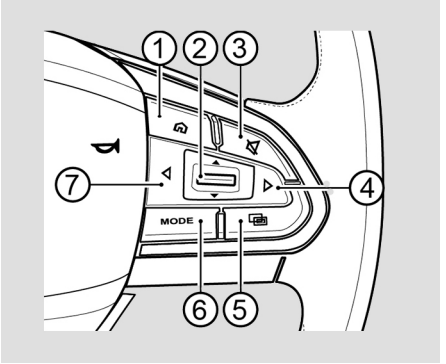


1. **Voice button**
   Press this button to activate voice recognition function, which is only applicable when using the Android Auto or Apple Carplay apps with multimedia unit.
   Press this button again to exit the voice recognition function.

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

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**
   When the mode of the steering wheel button is switched to control the multimedia unit, 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 button**
   When the mode of the steering wheel button is switched to control the multimedia unit, press this button to jump to the next valid radio station in the radio interface. Press this button will also play the next picture or video file in the multimedia (or media) interface.

5. **Mode switch button**
   Short press this button to switch the control of the multi-control function buttons 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/audio source in multimedia unit.

7. **Left button**
   When the mode of the steering wheel button is switched to control the multimedia unit, press this button to jump to the previous valid radio station in the radio interface. Press this button will also play the previous picture or video file in the multimedia (or media) interface.

Rearview Mirrors

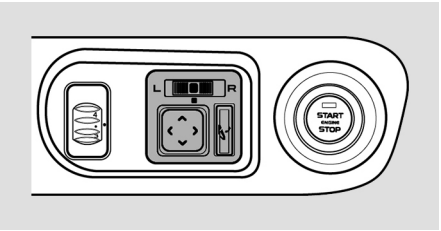
Exterior Rearview Mirror

Side Mirrors

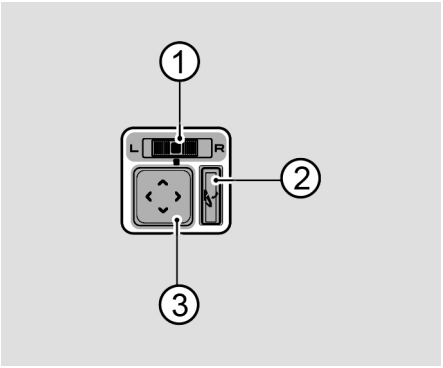
Never adjust the side mirror while the vehicle is moving; otherwise, it may result in personal injury and property damage. Make sure to unfold the side mirror and adjust them properly before driving.◄

When the side mirror is frozen, do not operate the adjustment switch of side mirror or scrape the ice on the rearview mirror with a sharp tool. Instead, use the heating function of the side mirror to remove the ice on its surface. After that, adjust the side mirror. Do not touch the side mirror when adjusting it to avoid personal injury.◄

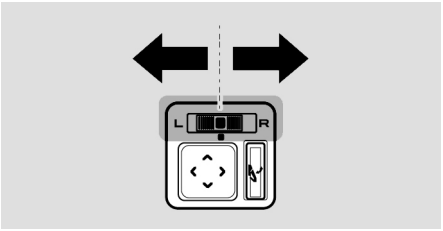
Side Mirror Adjustment



The side mirror adjustment switches is located next to ignition switch on the right of driver side at instrument panel.



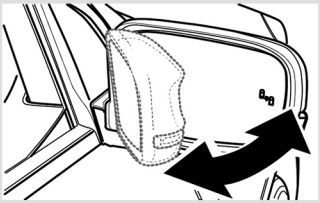
1. Side mirror selection switch
2. Side mirror fold switch
3. Side mirror angle adjustment switch



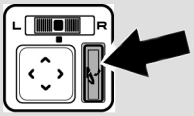
1. When the ignition switch is at the ACC or ON position, move the side mirror selection switch to L (left) or R (right) to select the corresponding left or right side mirror.
2. Press the side mirror angle adjustment switch to left, right, up or down to adjust the angle of side mirror glass.
3. After that, reset the side mirror selection switch to its initial position (at the middle).

Side Mirror Folding

Electric Folding Side Mirror



When the ignition switch is at the ACC or ON position:



1. Press the side mirror fold switch once, then the side mirror will be folded.
2. Press the side mirror fold switch again to unfold the side mirror.

Frequent folding and unfolding the side mirror will result in temporary failure of the power folding function. ◄

Auto Fold Side Mirror*

Automatic Fold When Locking

The side mirror auto fold function is set by default. When the side mirror is in the non-folding position, press the lock button on the intelligent key or press the toggle (lock/unlock) switch on the exterior door handle of the driver door to lock the vehicle;
Both exterior rearview mirrors (side mirrors) will automatically fold.

Automatic Unfold When Unlocking

The side mirror automatically unfold upon unlocking the vehicle via the unlock button on the intelligent key or the toggle (lock/unlock) switch on the exterior door handle of the driver door.

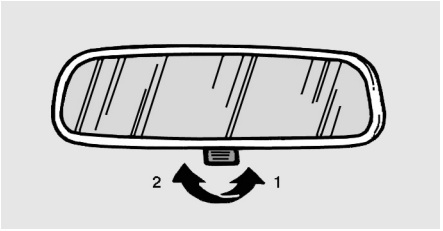
Interior Rearview Mirror

Adjustment of Interior Rearview Mirror

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

Never adjust the interior rearview mirror while the vehicle is running. Otherwise, severe personal injury or death or property loss may occur.◀

Manual Dimming Interior Rearview Mirror



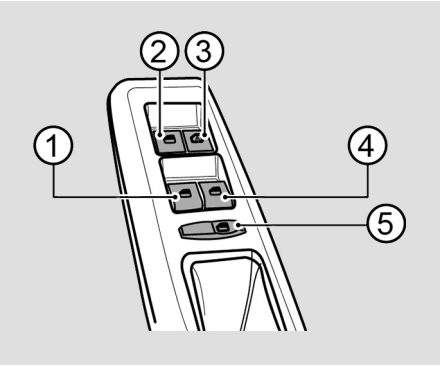
Push the bottom handle of the interior rearview mirror to change the angle of view to realize the dimming function.

Pull the handle back to return the interior rearview mirror to normal position to deactivate the dimming function.

Windows

Power Windows

- Never leave children, incapacitated adults or pets in the locked vehicle with windows closed. High temperature may prevent them from escaping, which could result in injury or death due to heat exposure.
- Do not try to test the anti-pinch function with your body, otherwise it will cause personal injury or death.
- When the window is about to close completely, the anti-pinch function may not work.◀



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

Manual Operation

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

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

Automatic Open Operation*

Only for window that is equipped with automatic open (one-touch down) function.

Press down the window switch to the auto-down position and then release the switch, the window will open automatically.

During the automatic opening process of the window, if the window switch is pressed down again or pulled upward, the window will stop opening.

Remote Opening and Closing Windows

When the ignition switch is turned to OFF position and the all doors are closed:

- Press and hold the unlock button on the intelligent key, the four windows will be opened at the same time;
- Press and hold the lock button on the intelligent key, the four windows will be closed at the same time.

Window Locking Switch

Press the switch to enable the locking function, and the window lock indicator light illuminates. This disables switch operations for the front occupant side window and rear windows.

However, the front occupant side window and rear windows can still be controlled using the driver side window switches (central power window switches).

When the window locking switch is pressed again, the indicator light turns off and the locking function is deactivated.

Thermal Protection of Power Windows

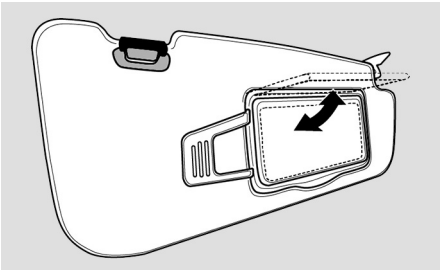
If the window switch is operated repeatedly in a short time, it may cause the power window control switch to fail in order to protect the life of the motor. Wait for a while before the power window operation can be resumed.

The automatic recovery waiting time is long. If you need to operate the window immediately, simply power off and restart the vehicle to resume power window function. ◄

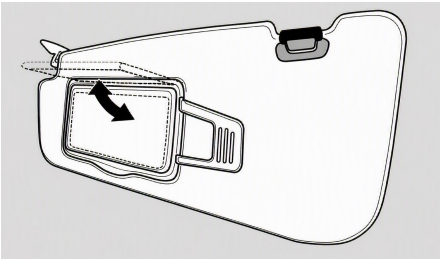
Sun Visors

Sun Visors and Vanity Mirror

Driver Side (Type 1)



Driver Side (Type 2)

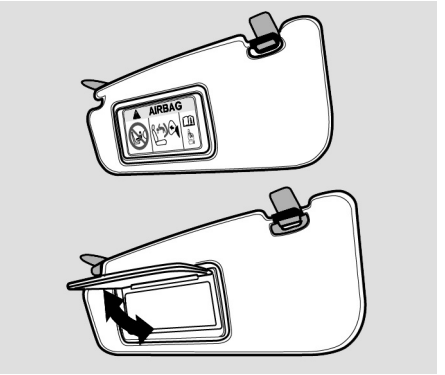


Turn down the sun visor, or pull it out of the bracket and rotate it towards the door to prevent glare.

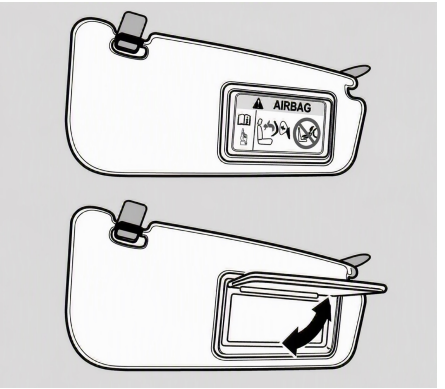
The sun visor is equipped with a vanity mirror, which can be used by flipping up the cover.

The sun visor at the driver side has a ticket holder (if fitted), which can be used to slot in parking ticket or similar items.

Front Passenger Side (Type 1)



Front Passenger Side (Type 2)

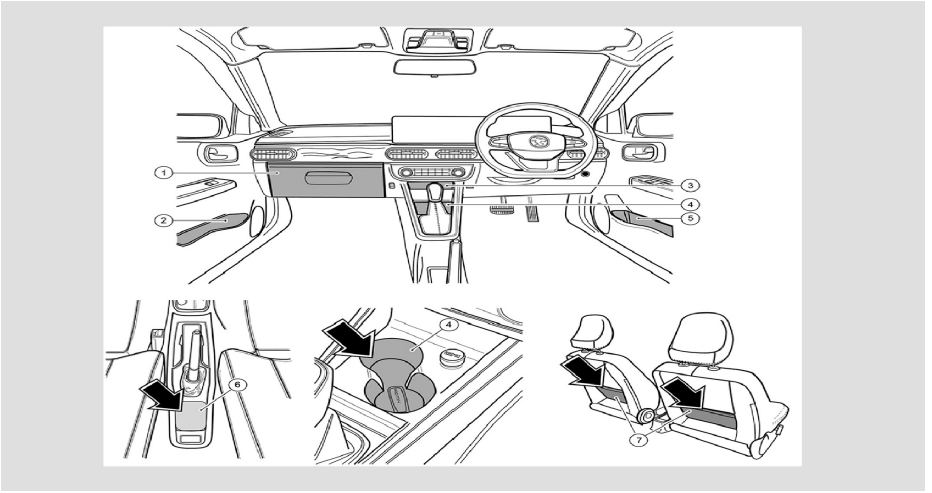


Turn down the sun visor, or pull it out of the bracket and rotate it towards the door to prevent glare.

The sun visor is equipped with a vanity mirror, which can be used by flipping up the cover.

Storage Compartment

Interior Storage Compartment (RHD)

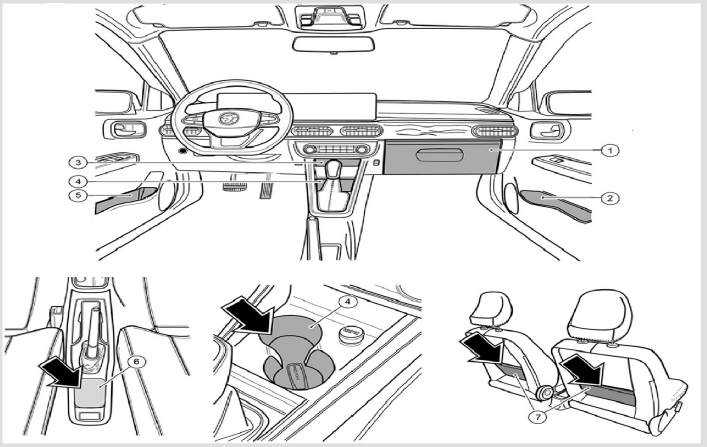


1. Glove box
2. Front left door storage compartment
3. Lower storage box (at sub instrument panel)
4. Front cup holder
5. Front right door storage compartment
6. Centre storage compartment (at centre console)
7. Rear pocket

The rear pockets are located at the back of the front seats and are used to contain small objects like newspaper, maps etc. ◄

Do not put heavy or sharp objects in the rear pockets to avoid damage to the rear pockets.◄

Interior Storage Compartment (LHD)



1. Glove box
2. Front right door storage compartment
3. Lower storage box (at sub instrument panel)
4. Front cup holder
5. Front left door storage compartment
6. Centre storage compartment (at centre console)
7. Rear pocket

The rear pockets are located at the back of the front seats and are used to contain small objects like newspaper, maps etc. ◄

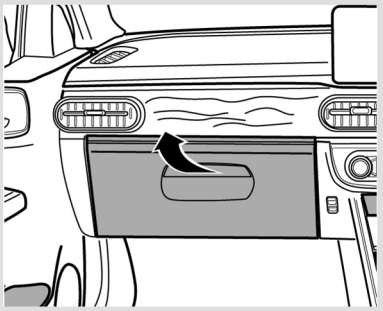
Do not put heavy or sharp objects in the rear pockets to avoid damage to the rear pockets.◄

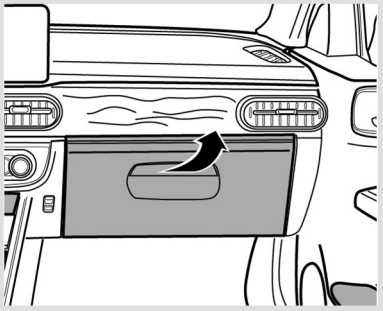
Glove Box

Opening and Closing the Glove Box

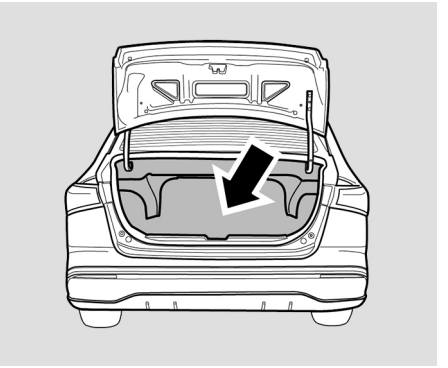
Open : Pull the glove box handle upward to open the glove box cover.

Close : Push the glove box cover forward to close the glove box.





Luggage Compartment



Do not place pets in the luggage compartment.◄

Some models are equipped with the luggage compartment's light, which will automatically turn on when the trunk lid is opened. ◄

Do not exceed the vehicle's maximum load capacity. Distribute cargo evenly, placing heavy items low and close to the rear seatback. Always secure luggage and large objects firmly to prevent movement during driving. Do not load items higher than the seatback or interior compartment limits, as this may affect vehicle stability and safety. ◄

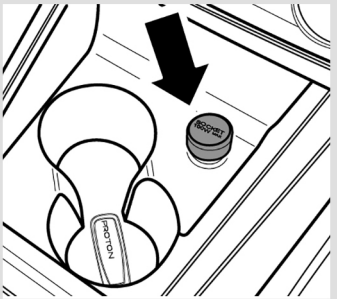
Vehicle Power Supply

Wired Charging*

Front Charging Slots

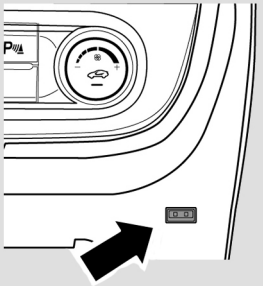
12V power socket:

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



USB multimedia slot:

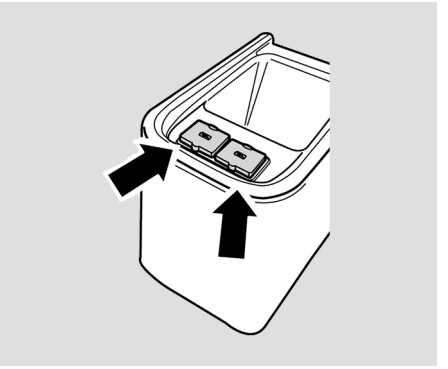
The USB multimedia slot supports data transmission functions, while its type-C charging slot can also be used for charging mobile devices.



Rear Charging Slots

USB charging slots:

USB charging slots has charging function to charge mobile devices.



- Do not connect the power interface (or charging slot) to high-power electrical appliances. Otherwise, the vehicle fuse may be blown.
- Do not use the power interface in parallel or series with any other power supply.
- Do not modify or repair the vehicle power system without authorisation.◄

Seat Belt

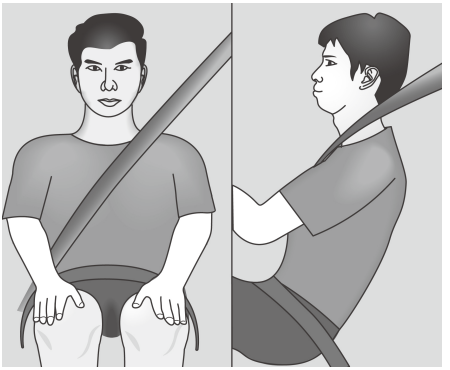
Overview of Seat Belt

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 use appropriate child restraint systems.
- Do not clean the seat belt with bleach, dyes or chemical solvents. ◄

Wearing the Seat Belt Properly

- 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.



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. ◄

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.

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. ◄



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

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. ◄

Seat Belt Pretensioner

The front seat belts are equipped with seat belt pretensioners. 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 Reminder

This vehicle is equipped with seat belt unfastened warning function for the driver and front passenger as reminder to fasten the seat belt.

When the seat belt unfastened warning is triggered, the seat belt unfastened warning indicator on the meter instrument will illuminate in different states. The corresponding unfastened seat belt will also be displayed as red on the notification and setting menu area (at the right side of meter instrument).

Seat Belt Unfastened Warning Indicator

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

The seat belt warning indicator will also activate if the driver or front passenger seat belt is not fastened under the following conditions:

- When vehicle speed exceeds **10 km/h**, or
- When the vehicle has traveled approximately **300 m** in forward motion

If the vehicle speed exceeds **20 km/h**, the warning indicator will **flash for 35 seconds**.

The warning indicator will turn off when:

- The seat belt is fastened, or
- The **35-second warning period** has elapsed

Once the warning period ends, no further reminder will be displayed on the instrument cluster.

If the seat belt is unfastened again, the indicator may turn on or flash depending on the current vehicle speed.

The seat belt warning indicator will turn on or 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. Pay close attention to the illuminated warning indicator lamp. Failure to do so may result in serious personal injury or property damage. ◄

Airbag

Overview of Airbag

Airbags are an integral part of the passive safety system, which can never replace seat belts. Otherwise, when the accident happens, the airbags will not be able to effectively provide protection. 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. An airbag can cause great impact when it is deployed. Therefore, the driver and the front passenger should adjust the distance between the seat and the front airbags, 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 barrier may be squeezed into human body when the airbags are deployed, resulting in severe casualties.

After the airbag is unfolded (deployed), do not touch it to avoid scalding. During airbag deployment, 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 its protective function once. If the airbag has been deployed, it must be replaced at an authorised PROTON service outlet immediately. ◄

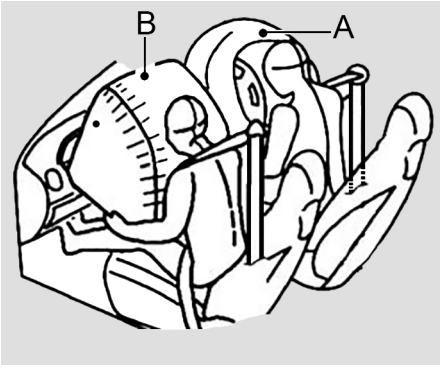
Due to the considerable speed and impact force when the airbag is unfolded, do not let infants or children sit on the front seat or hold them on the front seat to avoid serious personal injury or death.◄

Position of Airbag

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.



A – Driver airbag (for RHD vehicle)
B – Front passenger airbag (for RHD vehicle)

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. ◄

When the vehicle is running, do not sit on the side of the seat or lean against the instrument panel. 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 to keep a distance of at least 25 cm from the airbag. ◄

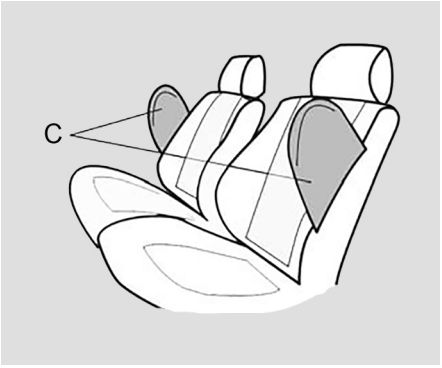
Contact an authorised PROTON service outlet immediately in the following cases:

- 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 for the 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.



C – Side airbags

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. ◄

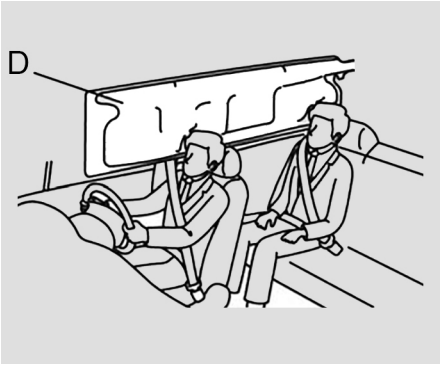
Do not do the following operations before consulting an authorised PROTON service outlet personnel, to avoid affecting the normal operation of side airbag:

- 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.



D – Side curtain airbag

The side curtain airbags are mounted above the side pillars on left and right sides of 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 injuries 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.◄

Do not perform the following operations before consulting an authorised PROTON service outlet personnel, to avoid affecting the normal operation of side curtain airbag :

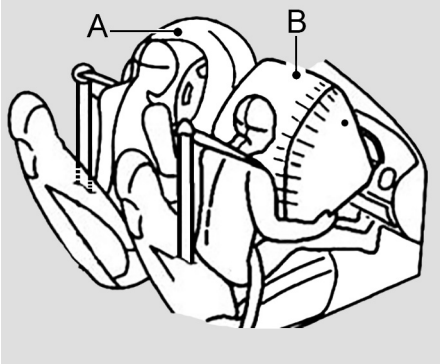
- Install electronic devices such as mobile two-way radio communication devices.
- Modify suspension system.
- Repair at or near the bracket.◄

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.

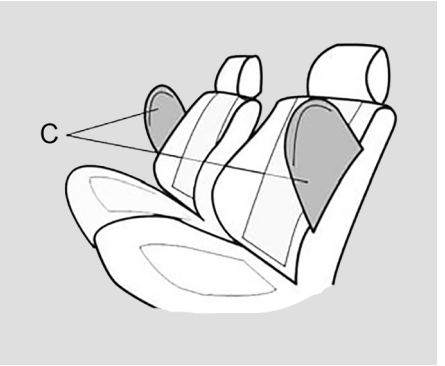
Always fasten the seat belts when the vehicle is running to minimize injuries in case of airbag deployment. The driver and the front passenger must adjust their seats so as to keep a sufficient distance from front airbags. ◄



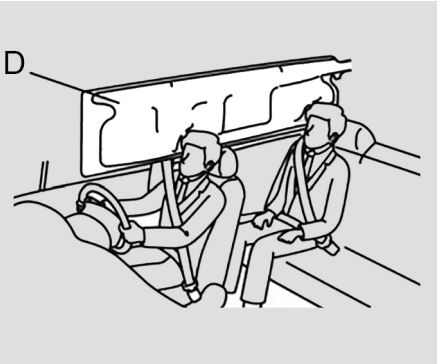
A – Driver airbag (for LHD vehicle)
B – Front passenger airbag (for LHD vehicle)

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 Side Airbag and Side Curtain Airbag*



C – Side airbags



D – Side curtain airbag

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.

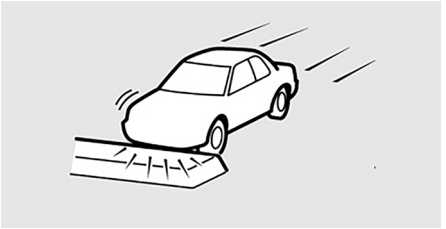
In case of side impact, the inflation of side airbag and side curtain airbag can reduce the risk of upper body and pelvis injury.

Cases in which Front Airbag May Not Deploy

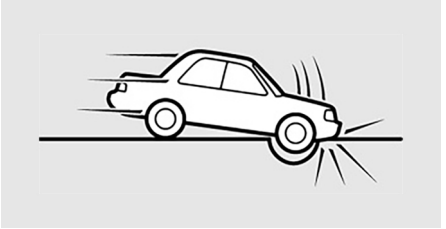
- The vehicle is not started.
- When the collision occurs between the vehicle and deformable objects, such as utility pole and trees.



- When the vehicle collides against low objects like steps etc.



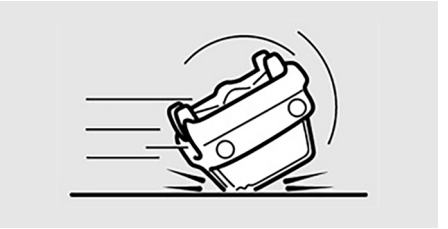
- When the vehicle falls down into a trench or pit suddenly.



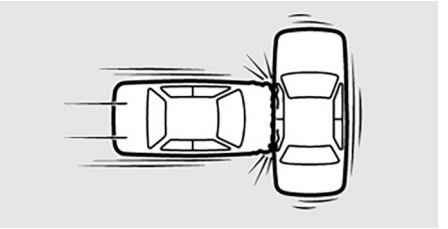
- When the vehicle collides under the rear of a truck.



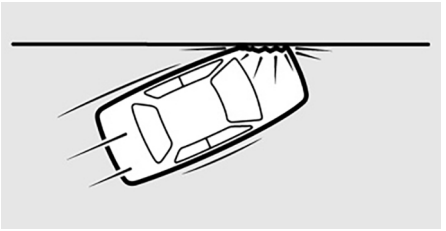
- Rollover.



- Side impact, rear impact and slight front impact (minor head-on collision).



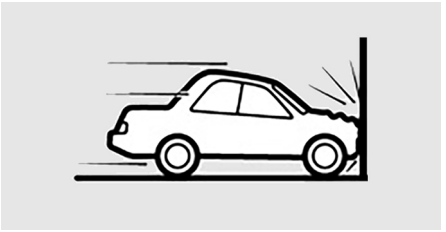




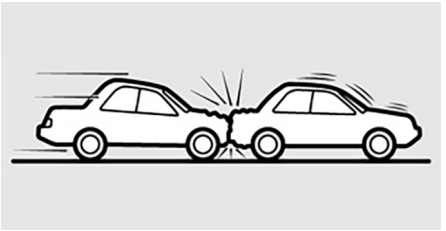
- The airbag system has failures.
- Other special cases.

Cases in which Side Airbag and Side Curtain Airbag May Not Deploy

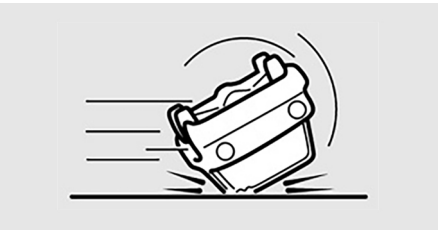
- Front impact or near-front collision..



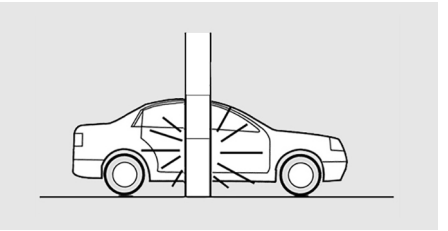
- Rear collision impact.



- Rollover or other special cases.



- Minor side collision impact.



- The airbag system has failures.

Child Riding Protection

Selection of Child Restraint System (CRS)

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

Recommended CRS for the Vehicle

Child Weight	Recommended CRS
Group 0 : Less than 10 kg	Joie i-Spin 360
Group 0 +: Less than 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	-

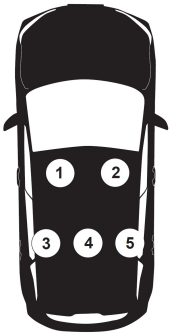
The recommended CRS above is based on the available CRS technology and components at the time of the testing is done. ◄

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. ◄

ISO Fixture (ISOFIX) Types for Child Restraint System :

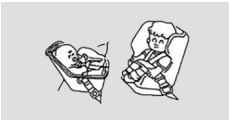
A - ISO/F3 : Full Height Forward Facing Toddler CRS
B - ISO/F2 : Reduced Height Forward Facing Toddler CRS
B1 - ISO/F2X : Extra Reduced Height Forward Facing Toddler CRS
C - ISO/R3 : Full Size Rearward Facing Toddler CRS
D - ISO/R2 : Reduced Size Rearward Facing Toddler CRS
E - ISO/R1 : Compact Rearward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

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

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 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.

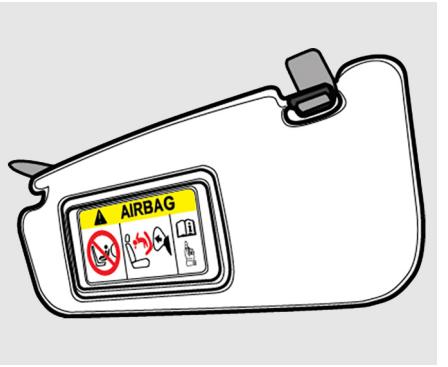
Installation of Child Restraint System

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.

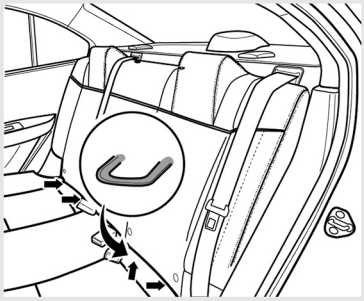


Do not install any rear facing CRS at a seat that is under front airbag protection (in active state)! ◄

Do not put a rear facing CRS on the front seat. Infants and young children may suffer severe injuries or even death if positioned too close to an airbag when it deploys. ◄

Installation of ISOFIX Child Restraint System

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



The rear seat illustrations are for reference only. Certain models may be equipped with a rear centre seat headrest or removable headrests. The actual vehicle configuration shall take precedence. ◄

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. ◄

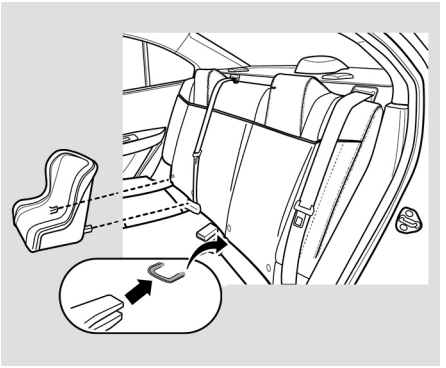
Installing CRS with Lower ISOFIX and Top Tether Anchorages

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

1. Lower the rear seat's headrest to the lowest position. Open the fixed lever cover.

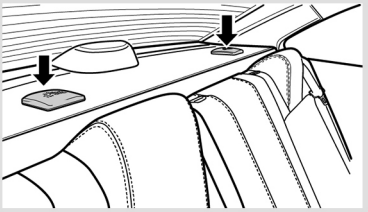
2. Locate the ISOFIX fixing interface on the vehicle seat.

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 above of rear seat as shown. Open the cover and insert the connector to the ISOFIX mounting.



6. Inspect whether the connection is locked properly.

Ensure the top tether and the ISOFIX mounting is securely fastened. Push and pull the child restraint system in different directions to check whether it is secured. Installation shall be carried out according to CRS 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 child restraint system is correctly fixed to the ISOFIX fixing interface, a "click" sound will be heard. ◄

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 any 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. Do not drive 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

Driving Below 0 °C or During Winter

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, drive the vehicle at low speed below 40 km/h, and then continue with normal driving after the coolant temperature indicator starts to change (50~60 °C). ◄

Prolonged short-distance driving in cold weather may prevent the coolant temperature from reaching the middle mark on the gauge (engine normal operating temperature), leading to engine oil deterioration, increased wear of moving engine parts, and higher fuel consumption.

If the coolant temperature of the vehicle (water temperature gauge) 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 conditions:** the average speed is 30~40 km/h, the driving time is more than 50 minutes.
- **High-speed conditions:** the average speed is higher than 80 km/h and the driving distance is more than 30 km. ◄

After a short-distance drive (during cold weather) and before stopping the vehicle, firmly depress the accelerator pedal several times to help eliminate 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.

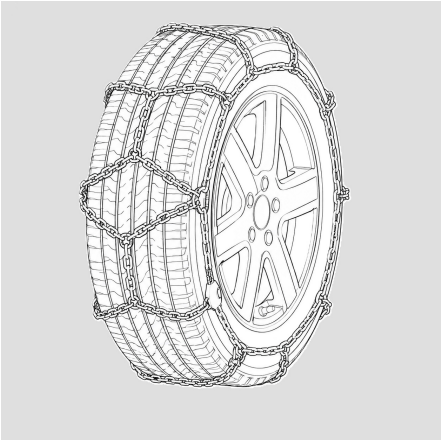
For details on winter tyre supply and selection of applicable tyres, consult an authorised PROTON service outlet.

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% ~ 15% variance in fuel consumption. Please drive economically for energy saving and environmental protection.

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 speed is 40 ~ 60 km/h on general roads and 80 ~ 100 km/h on highways. Maintaining an economical speed, while prioritizing safe driving, helps improve fuel efficiency.

3. Avoid unnecessary braking
   Keep a proper following distance from the vehicle ahead (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 engine idle speed
   Shut down the engine when parking for a long time, the engine consumes fuel when idling.

Turn off the engine when vehicle stop 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 ~ 40 seconds is more than fuel required to restart the engine.

5. Keep low wind resistance
Opening windows when driving at high speed will significantly increase the wind resistance, resulting in higher fuel consumption.
Close the windows when the vehicle speed is higher than 80km/h.

6. Maintain correct tyre pressure
Check tyre pressure regularly. Too low tyre pressure increase rolling resistance of tyres, leading to higher fuel consumption.

7. Minimise operation of A/C system
The use of A/C will significantly increase engine load, please use it when necessary. Open windows for ventilation at low speed. The internal circulation mode will save more energy when you use air conditioner.

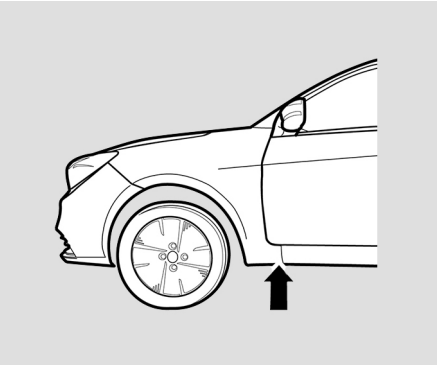
8. Reduce the vehicle load
Each kilogram of additional load may increase fuel consumption. Clear unnecessary luggage on vehicle regularly.

9. Regular vehicle maintenance
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 side member as shown above.

2. Drive at low speed, otherwise waves may form in front of the vehicle, which could 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, which increase the risk of accident.

Avoid sudden or emergency braking immediately after driving through the water.

After driving through water, the brake 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 stones 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 the 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 grasses and other combustibles under the vehicle.

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

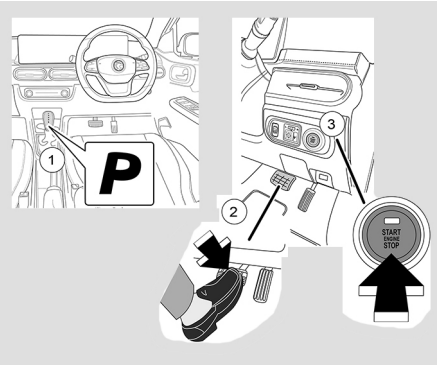
Precautions when operating the turbocharged engine:

- Avoid turn off the engine immediately when running at high speed and full load.
- Gradually slows down until the vehicle stop.
- Idle for 3 to 5 minutes before turn off the engine to prevent damage to the turbocharger due to engine oil shortage in bearings or overheating of parts.
- Avoid idling the engine for long periods of time (no longer than 20 minutes). ◄

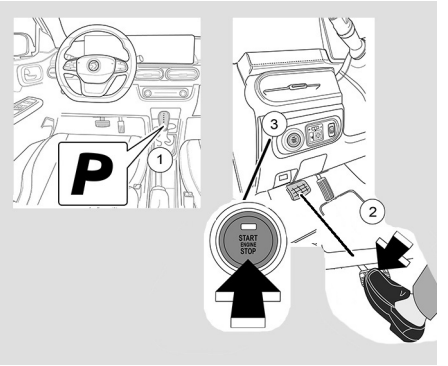
Starting the Vehicle

Keyless Start

Starting the Engine



Right hand drive (RHD) vehicle



Left hand drive (LHD) vehicle

Before starting the vehicle, carry the valid intelligent key. Start the engine by following steps below.

1. Put the gear to P (or N) position.
2. Press and hold the brake pedal.
3. Press the ignition switch (push start button).

- Before starting the vehicle, check that the driver seat, steering wheel, interior rear view mirror and door mirrors (side mirrors) are adjusted to a safe comfortable position.
- Before starting the engine, check whether the brake pedal can be fully pressed.
- Start the vehicle in accordance with local environmental laws and regulations.
- Check whether the surrounding environment is suitable 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 (engine shutdown). ◄

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. ◄

Starting Procedure*

- 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. ◄

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. ◄

Stopping the Engine

1. Make sure that the vehicle has stopped.
2. Place the gear in Park (P) position.
3. Press the ignition switch to OFF position (shutdown the engine).

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

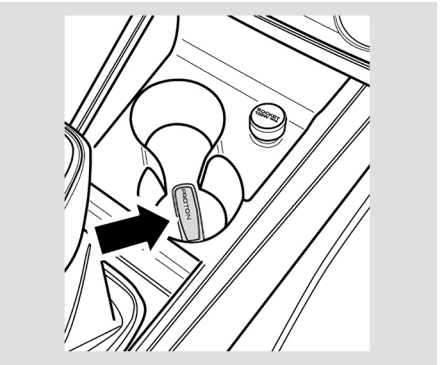
Backup Program for Vehicle Starting

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 intelligent key's battery level is low.
- The keyless start function has failed.

At this time, start the vehicle as per the following steps:

1. Place the intelligent key at the key identification area as shown in figure (at the key symbol area inside the front cup holder).

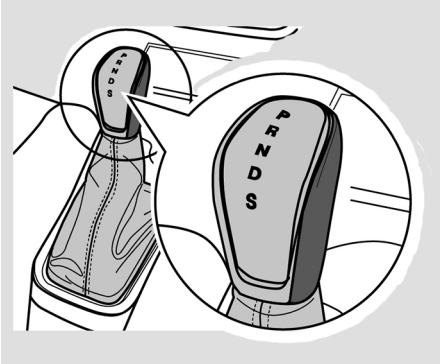


2. Shift the gear to P (or N) position.
3. Press the brake pedal.
4. Press the ignition switch to start the vehicle.

If the keyless start function still fails to function normally after the intelligent key battery is replaced and the vehicle is driven outside of the interference area, contact an authorised PROTON service outlet as soon as possible. ◄

Gear Shift Operation

Gear Information



Gear Shift Lever

Push the gear shift lever forward or backward to switch among the following gears: Park (P) gear, Reverse (R) gear, Neutral (N) gear, Drive (D) gear and Sport (S) gear.

Gear Operation

Park (P)

After the vehicle has completely stopped, press the safety button on gear shift lever and switch the gear to Park (P) position.

Pull up the parking brake lever to 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 Park (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. ◄

Before starting the engine, ensure that all doors are securely closed, the parking brake is engaged, the surrounding area is clear of people and obstacles, and the driver is properly seated inside the vehicle. Failure to follow these precautions may result in injury, accident, or vehicle damage. ◄

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. Push the button and push down the parking brake lever to release the 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 change the gear position while pressing the accelerator pedal, or press the accelerator pedal first and then engage the gear. ◄

Reverse (R)

When the engine is still idling and vehicle stops completely, press and hold the brake pedal. Push down the parking brake lever 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.

Sport (S)

When driving or in Drive (D) gear, move the gearshift lever to Sport (S) gear position to enter the 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.

Gear Shift Lever Lock

Auto Shift Lock

Gear shift lever cannot be moved from Park (P) gear to other gear position when the ignition switch is in the OFF position. Driver needs to turn ON the ignition switch to shift the gear position.



Always press the brake pedal when moving from the Park (P) gear position into another gear position to prevent accidental movement of the vehicle which can cause injury to person inside or around the vehicle. ◄

Manual Shift Lock Release

The gear shift lock release button is located inside the cover of gear shift lever. It is not advisable to pry open the cover and release the shift lock manually.

Contact an authorised PROTON service outlet for inspection and guidance.

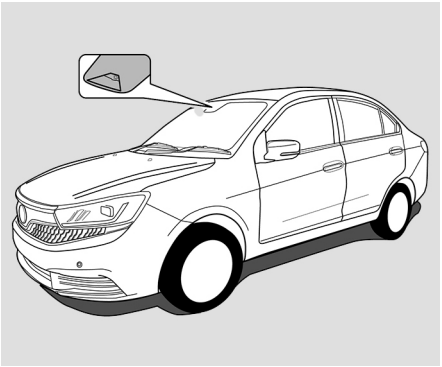
Intelligent Driving System

Introduction to the Intelligent Driving System (IDS)

The Intelligent Driving System (IDS) recognises the lane boundary and detects targets through the front camera and the rear side medium-range radar

Some functions of the Intelligent Driving System (IDS), such as LDW, AEB, FDA, and others, may need to be enabled or disabled through the multimedia unit display. Before changing vehicle settings or operating the multimedia unit, ensure the vehicle is completely stationary and the gear is in **N (Neutral)** or **P (Park)** position, or that the **AUTO HOLD** is activated. Failure to follow these instructions may result in a traffic accident, serious injury, or even death. ◄

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.

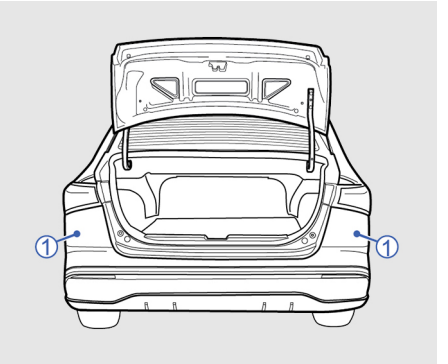
- In adverse conditions such as rain, snow, fog, or dust, the front camera's recognition capability may be affected, potentially leading to reduced system performance or temporary deactivation. The driver must continuously monitor the vehicle’s status and be prepared to take control at any time.
- If 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 or even 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 initialised, and it cannot work normally during initialisation 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 refit 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.
- The toe-in and/or rear wheel camber have been adjusted during four-wheel alignment.
- After a collision.
- 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. ◄

Lane Departure Warning (LDW)*

The Lane Departure Warning (LDW) function operates within a speed range of 60 km/h to 180 km/h.

LDW is a part of lane keep assist system that warns the driver when the vehicle deviates from the lane unconsciously. Unintentionally lane departure includes both already happened or imminent lane departure.

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

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

LDW 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), LDW 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 LDW. ◄

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

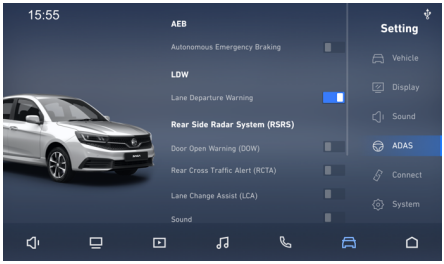
Do not use LDW in urban streets, construction areas, narrow paths, or roads where cyclists or pedestrians may be present.

Do not rely on LDW 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. ◄

The driver must maintain full attention and sound judgment at all times, ensuring the vehicle is operated at a safe speed, keeps a proper distance from other vehicles, and complies with all applicable traffic laws and regulations. ◄

Function Selection



Select the following on the multimedia display screen in sequence:

Vehicle Setting → **ADAS** → **LDW**, and select to enable or disable the lane departure warning function in this interface.

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

Meter Instrument Display

Meter instrument display will show information of the system working status.



1. LDW Status Indicator
2. Lane Line
3. Lane Shading

LDW Status Indicator

- When LDW function is enabled, the LDW status indicator (1) lights up in green.
- When LDW has any failure, LDW status indicator (1) will turn to red.
- The LDW status indicator (1) will turn off when the LDW functions is turned off or disabled.

Lane Line

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

- When LDW is not enabled (turn off) but the lane line is detected, the lane line (2) will be displayed in grey.
- When LDW system is enabled (on stand-by 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 the system is intervened by the steering wheel torque (driver turns the steering), the lane line (2) are displayed in blue.

Lane Shading

- When LDW is enabled and detect the lane line, the lane shading (3) will be highlighted.
- When LDW is not enabled (turn off), does not detect the lane line, or the system has any failure, the lane shading (3) will be displayed in grey.

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. ◄

System Limitations

Under the following road conditions, the performance of LDW may be reduced or fail to operate. The driver must remain alert and control the vehicle:

- Roads with a very small curve radius.
- Roads with no visible, 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 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.

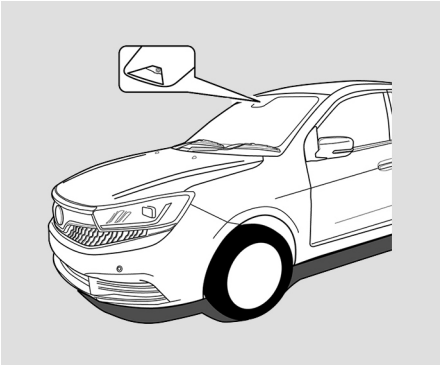
The visual field of front camera shall not be blocked by pollutants, eg., if it is completely covered by snow, LDW will deactivate and meter instrument will prompt message that the front camera is obscured and required to be cleaned.

The installation of front camera may affect LDW performance due to vibration or impact. It is necessary to calibrate the front camera again.

Autonomous Emergency Braking (AEB)*

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:



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 a supportive 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

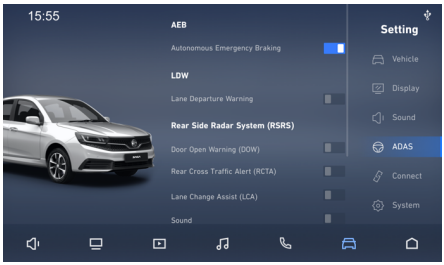
sprinklers. Additionally, the system cannot detect or respond to oncoming or crossing vehicles.

- 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.
- Keep the outer surface of the front camera clean, to ensure its optimal performance. 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.
- Keep the area around the front camera clean at all times to ensure proper operation of the system. 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 Setting → **ADAS** → **AEB**, and select to enable or disable the Autonomous Emergency Braking (AEB) and Front Collision Warning (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.

Alarm Sensitivity Setting

The alarm sensitivity setting for front collision warning function 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:

- **Safety 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 (speed reduction value), 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.



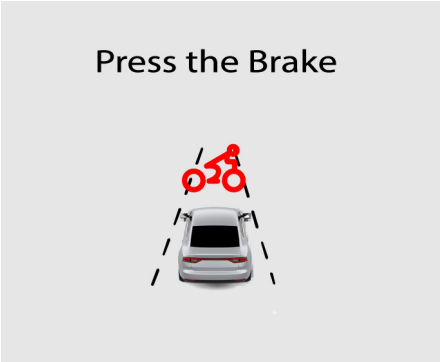
When FCW function detects a collision risk, it alerts the driver with a graphical and textual warning, accompanied by an audible alarm through meter instrument display to warn the driver of an imminent collision and prompting the driver to brake in time.

This function operates within a speed range of 5 ~ 150 km/h.

Cyclist Collision Mitigation Assist

The cyclist collision mitigation assist can avoid or mitigate the collision with two-wheeled vehicle such as bicycle or motorcycle.

Main application scenes: cyclist crossing a road in front of this vehicle or straight rear-end collision to other two-wheeled vehicle at front.



When FCW function detects a collision risk, it alerts the driver with 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.

This function operates within a speed range of 5 ~ 80 km/h.

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.

Cyclist

For the system to operate effectively, it must detect a complete and accurate outline of both the cyclist and the two-wheeled vehicle (such as bicycle or motorcycle), which must also be designed for adult use.

The cyclist must be an adult, and the system relies on clear recognition of key human body features such as the head, arms, shoulders, thighs, upper and lower body, alongside the shape of two-wheeled vehicle. This detection must align with standard human movement patterns.

The system may not function correctly if the cyclist or two-wheeled vehicle is partially obscured, insufficient contrast between the target and surrounding background, or if the two-wheeled vehicle is carrying large or bulky items. Under these conditions, the system may fail to identify the necessary elements, and as a result, braking functionality will not be activated.

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 Display

When the distance between this vehicle and vehicle ahead is far, the vehicle ahead image at meter instrument will be displayed as blue.



When the distance between this vehicle and vehicle ahead is near, the vehicle ahead image at meter instrument will be displayed as yellow.



When the distance between this vehicle and vehicle ahead is too close and driver need to intervene by pressing the brake pedal, the vehicle ahead image at meter instrument will turn to red.



If no vehicle ahead is detected or too far from detection range, the vehicle ahead image at meter instrument will be grey.

AEB System 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 accelerator pedal).

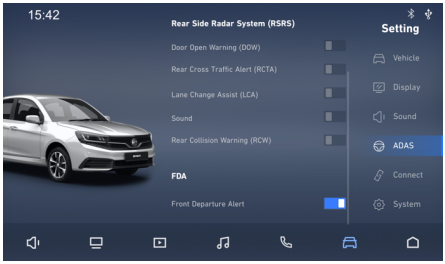
- The FDA function is an auxiliary driver assist feature and it can not replace the driver's visual monitoring and decision making on the traffic conditions. The driver remains fully responsible for operating the vehicle safely at all times.
- The detection performance of the front camera may be affected 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 → FDA

In this interface, select to turn on or turn off the Front Departure Alert function.



Function Limitation

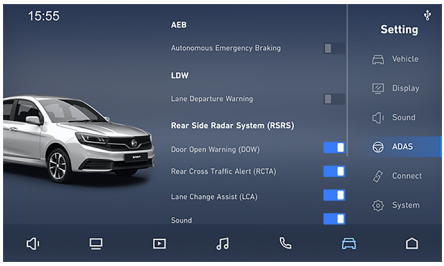
In the following situations, the front departure alert function may not be triggered, including but not limited to:

- 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.

Rear Side Radar System (RSRS)*

The system detects the rear side of the vehicle based on the rear medium-range radar on both sides of rear bumper.
These radars are used for Lane Change Assist (LCA), including the Blind Spot Detection function, Rear Cross Traffic Alert (RCTA), Rear Collision Warning (RCW) and Door Opening Warning System (DOW) functions.

When the vehicle is powered on (engine start), 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 Setting → 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.

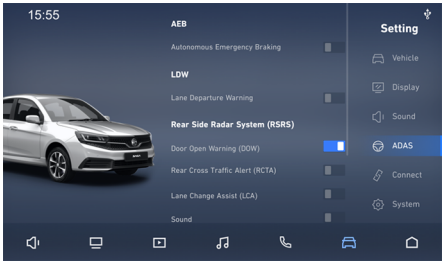
The system enhances driving safety by providing warnings through various methods, including illumination or flashing of the blind spot detection indicator on the exterior rear-view mirrors (side mirrors), prompts visual message on the meter instrument, including audible alerts, and flashing of the hazard 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 system detects vehicle at blind spot area, the BSD status indicator at instrument meter will turn to yellow, together with flashing of the BSD indicator at the corresponding door mirror.
If the BSD status 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. ◄

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 Setting → 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 very high speed or too slow.
- Rear vehicle that approach this vehicle after changing lanes from the adjacent lane.
- Situations involving sharp turns, bends, ramps, or similar road conditions.
- When detecting smaller targets, such as pedestrians, cyclists, etc.
- When detecting stationary or slow-moving objects (targets).

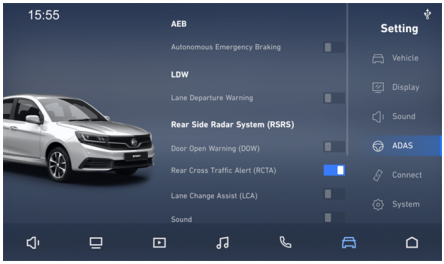
After the ignition switch is OFF (turn off the engine) for 3 minutes or the vehicle is locked and powered off, the DOW function will stop working. ◄

Rear Cross Traffic Alert (RCTA)

The Rear Cross Traffic Alert (RCTA) function uses rear side medium range radar to monitor approaching objects.

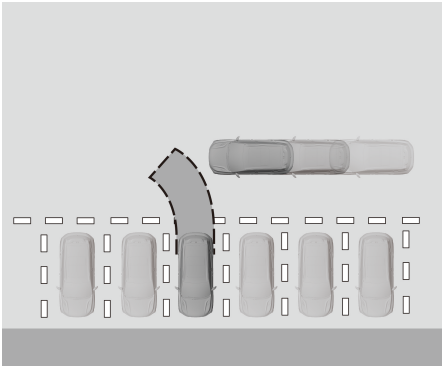
If a potential collision is detected with vehicles, motorcycles, bicycles, pedestrians, or other rear cross-traffic, the blind spot detection indicator lamp on the corresponding door mirror will illuminate or flash.

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.



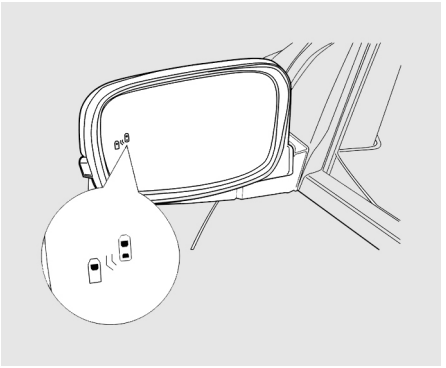
Select the following on the multimedia display screen in sequence:
Vehicle Setting → ADAS → Rear Side Radar System (RSRS).

Select the Rear Cross Traffic Alert (RCTA) to turn on or turn off this function.

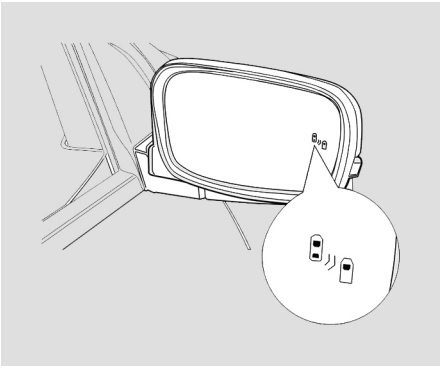


This function operates during low-speed reversing. When a potential collision is detected, RCTA provides the driver with a visual warning (danger alert via the blind spot detection indicator on the corresponding door mirror) and an audible warning (alert from multimedia interface).

This helps prevent collisions with crossing traffic when reversing or leaving a parking space.



BSD Indicator (Left Side Mirror)



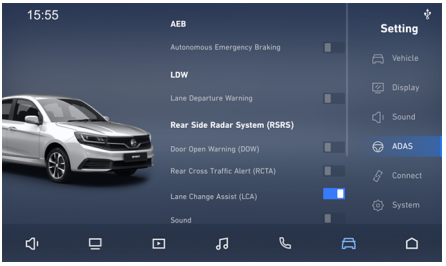
BSD Indicator (Right Side Mirror)

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. ◄

Lane Change 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.

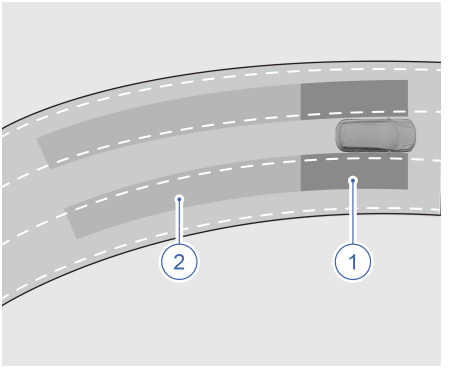
LCA function works when changing lane with the vehicle speed range of 15 to 150 km/h.



Select the following on the multimedia display screen in sequence:
Vehicle Setting → ADAS → Rear Side Radar System (RSRS).

Select the Lane Change Assist (LCA) to turn on or turn off this function.

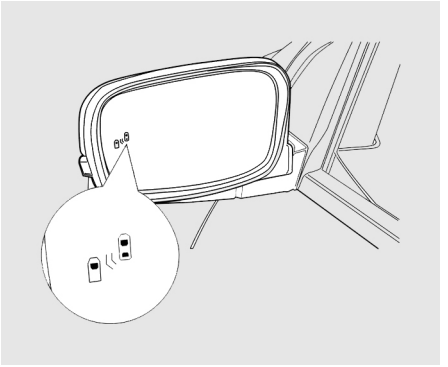
Select the Sound to enable or disable the audible warning for blind spot detection in this interface.



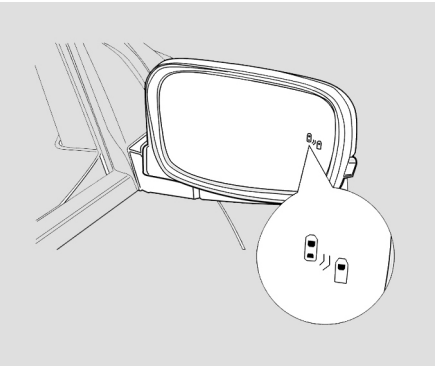
1. Blind spot area
2. Rear side area with fast approaching vehicles

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.



BSD Indicator (Left Side Mirror)



BSD Indicator (Right Side Mirror)

In certain situations, the LCA function may not operate as intended. These situations may include, but are not limited to:

- Bad weather such as rain or snow.
- It does not work on stationary targets.
- It does not work on small target such as pedestrians and bicycles.
- When driving on sharp bends or steep slopes.

Intelligent High Beam Control (IHBC)*

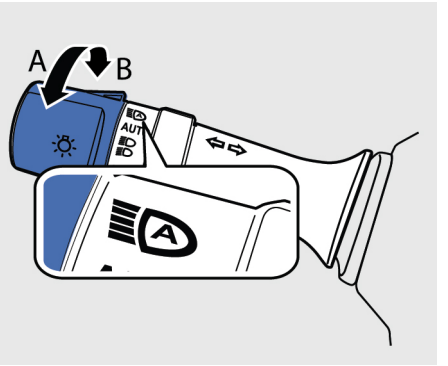
The intelligent high beam control (IHBC) system can automatically switch between high and low beams at night.

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 Control Switch

Rotate the light control switch to the **B** direction as shown in the picture until the farthest position.
The switch will then automatically return to the **AUTO** position. The IHBC function has been enabled (turn on).

At night, after the headlamp 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 25~40 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. ◄

Turn OFF IHBC

When IHBC is enabled, pull the light control combination lever (towards driver) to turn off IHBC manually.

Rotate the light control switch to the **A** direction from AUTO to low beam, position lamp or Off position will also disable the IHBC function.

When IHBC is off, pull the light control combination lever (towards driver) to manually flash the high 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 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 or highways.
- When the front windshield is covered with fog, dirt or covered by labels and ornaments. ◄

Driving 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. ◄

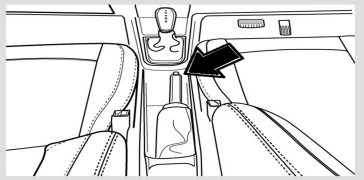
Do not step on the brake pedal unnecessarily during driving. It may cause wear and overheating of brake parts and prolong the braking distance. ◄

Certain models are equipped with an electric vacuum pump to provide brake assist. Drivers may occasionally hear the vacuum pump operating; this is normal. If a hissing sound, hard brake pedal, or reduced braking assistance is observed, have the brake system inspected immediately. ◄

Parking Brake

Parking Brake Lever

Parking brake lever is also known as the handbrake or manual emergency brake. It is used to keep the vehicle stationary when parked and serve as a backup braking system in case of main brake has failure. It is especially important when parking on slopes or uneven surfaces.



Parking Brake Lever

Parking brake operates independently from the main hydraulic brake system and using cable system to mechanically engages the rear brakes. The wheels will be locked to prevent it from rolling.

Always ensure the parking brake is fully engaged before leaving the vehicle, and release it completely before driving. ◄

Activating Parking Brake

After the vehicle has come to a complete stop, pull the parking brake lever upward to engage the parking brake until you hear the clicking sound of the ratchet mechanism.

When parking on a slope, pull the lever further to a higher notch to ensure the vehicle is securely held.
Once the parking brake is engaged, the parking brake status indicator Ⓟ on the meter instrument will turn on in red. If the indicator does not turn on, contact an authorised PROTON service outlet as soon as possible.

Releasing Parking Brake

Push the locking button at the tip of parking brake lever and push the lever downward to release the parking brake lock. The parking brake status indicator Ⓟ on the meter instrument will turn off.

If the parking brake status indicator on meter instrument keeps illuminate when the parking brake lever has been released, contact an authorised PROTON service outlet as soon as possible. ◄

Improper use of the parking brake system may cause casualties. Do not use the parking brake for normal braking while driving, except in an emergency.◄

When the parking brake is released, the vehicle will no longer be held stationary. Do not release the parking brake on a slope, as this may result in vehicle damage or serious personal injury. ◄

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)

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)

The Electronic Stability Control (ESC) systemis 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. ◄

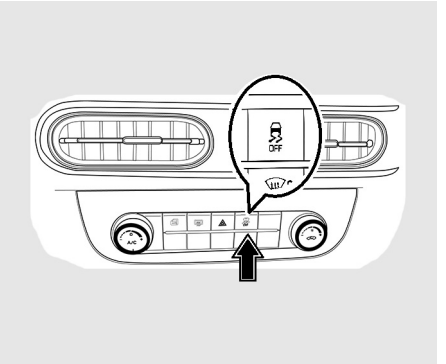
ESC system will be enabled by default when the vehicle is turned on. To keep control of the vehicle stability, the system should always be enabled.

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 stay on and the system will not work as intended. In this case, driving style should be adjusted.

Disabling ESC Function



ESC OFF Switch

ESC is enabled by default. To disable ESC (ESC OFF), press the ESC OFF switch (on the front centre panel as shown above) for 3 seconds.

The indicator on ESC OFF switch icon will illuminate and the ESC OFF indicator at meter instrument will turn on indicating that ESC system has been disabled.

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

Press the ESC OFF switch again to enable ESC. The ESC OFF indicator on the meter instrument display turns off accordingly.

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 parking brake is not engaged within approximately two seconds, the vehicle may roll backwards. Therefore, always drive carefully when starting on the uphill. ◄

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 hard to turn, or if the EPS status indicator lights up yellow on the meter instrument, it indicates a failure in the EPS system.

Please contact an authorized PROTON service outlet as soon as possible for inspection and maintenance.

Indirect Tyre Pressure Monitoring System (i-TPMS)*

The Indirect Tyre Pressure Monitoring System (i-TPMS) is a system that monitors tyre pressure indirectly by using the vehicle's ABS (Anti-lock Braking System) wheel speed sensors, rather than pressure sensors inside each tyre.

When a tyre's air pressure drops, its rolling radius becomes slightly smaller. The affected wheel rotates faster than the others. The system detects this difference in wheel speed and warns the driver of possible low tyre pressure.

The i-TPMS monitors tyre pressure indirectly through the wheel speed sensors. The system status is displayed on the meter instrument.

- **Low tyre pressure alarm**
  If the system detects low tyre pressure, the i-TPMS warning light will illuminate and remain on until the condition is corrected. A warning message will also appear on the meter instrument display.
  After inflating the cold tyres to the specified standard tyre pressure, reset the system (turn off and then turn on the ignition switch). The warning will be cleared once the system completes initialization and confirms normal conditions.

- **Sensor fault alarm**
  If the i-TPMS detects a sensor fault, the warning light will illuminate and remain on until the issue is resolved. A warning message will also appear on the meter instrument display. Have the vehicle inspected by an authorized PROTON service outlet.

- **i-TPMS signal abnormality alarm**
  If the i-TPMS detects a signal abnormality, the warning light will illuminate and remain on until the condition is resolved. A warning message will also appear on the meter instrument display.
  If the warning persists, have the vehicle inspected by an authorized PROTON service outlet.

- **Multi-signal alarm**
  If the system detects multiple low pressures, the meter instrument will alert based on the sequence of detection.

- **High tyre pressure alarm**
  If the i-TPMS detects that tyre pressure exceeds the specified limit, the warning light will illuminate and a message will appear on the meter instrument display.
  Check the tyres and adjust the pressure to the recommended value to clear the warning.

- **Rapid tyre pressure release alarm**
  When the rapid tyre pressure release alarm is activated, the i-TPMS warning light remains illuminated until the condition is resolved. A warning message will also appear on the meter instrument display.

If the i-TPMS warning light is illuminated, it indicates that one or more tyres have abnormal tyre pressure. Park the vehicle as soon as possible, and inspect tyre pressure and inflate the tyre to a correct pressure value. The i-TPMS of the vehicle can remind you of abnormal tyre pressure but it cannot substitute normal tyre maintenance.

- The spare tyre may not equipped with a wheel speed sensor which is used as input for the tyre pressure monitoring function of i-TPMS.
- The recommended tyre pressure value can be viewed from the tyre pressure label on the upper outer side of the right center pillar.
- Please check the tyre pressure regularly and make sure it is within the specified range.
- The i-TPMS cannot indicate dramatic tyre damage caused by external factors (such as a blowout) in advance, nor can it identify natural, uniform pressure loss over long periods of time in all tyres.
- When the vehicle is started, the tyre pressure information shown on the meter instrument is the previously stored (historical) value. After the vehicle is driven at a speed of 30 km/h or higher for several minutes, the system will gradually update the tyre pressure information. ◄

- Tyre pressure needs to be adjusted seasonally, inflated in winter (or cold weather) and deflated in summer (or hot weather). Tyres should be inflated when they are cold.
- It is normal for the tyre pressure alarm to occur when the vehicle is driven in low and high altitude areas, and the tyre pressure should be adjusted according to the tyre pressure alarm.
- When driving in winter, replacing all four tyres with snow or winter tyres will not trigger a warning. The i-TPMS uses wheel speed sensors instead of tyre-mounted sensors, so tyre pressure will continue to be monitored normally.◄

The i-TPMS may function abnormally due to one or more of the following reasons:

- Wheel speed sensors are dirty, damaged, or malfunctioning.
- Tyres are significantly underinflated or overinflated beyond the system's detectable range.
- Wheels have been replaced, rotated, or changed without resetting the system.
- Driving conditions, such as extremely low speeds or prolonged idling, prevent the system from updating tyre pressure information.
- Electronic system faults or wiring issues affecting the i-TPMS or ABS system.
- Installation of incompatible tyres or modification of wheels.

- Presence of fluid in the tyres or use of tyre repair fluids.
- Driving the vehicle with anti-skid chains installed.
- Operating near sources of strong radio waves or electrical interference, such as TV stations, gas stations, or airports.
- Installing aftermarket electrical accessories that may interfere with the vehicle's electrical or radio systems. ◄

Under these conditions, the system may provide delayed updates, incorrect readings, or warning messages. Always check tyres and vehicle systems, and have the vehicle inspected by an authorized PROTON service outlet if abnormal operation occurs.

Parking Assist

Park Assist System (PAS)*

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, kerb stones, 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*

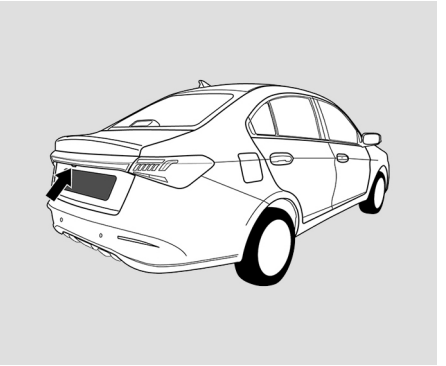
Reverse camera assists the driver when reversing this vehicle by displaying the image behind this vehicle.

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 or high speed reversing, or in areas with crossing traffic.◄

Position of 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.

Filling the Fuel Tank

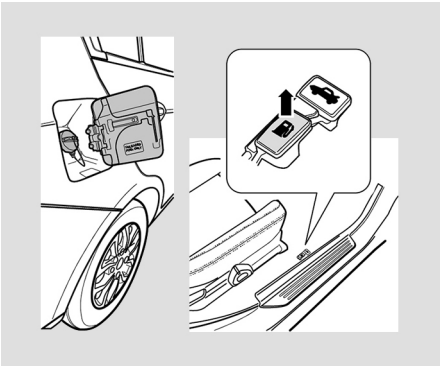
Safety Precautions at Petrol Station

Fuel is highly flammable, volatile and combustible especially in limited space with poor air ventilation. ◄

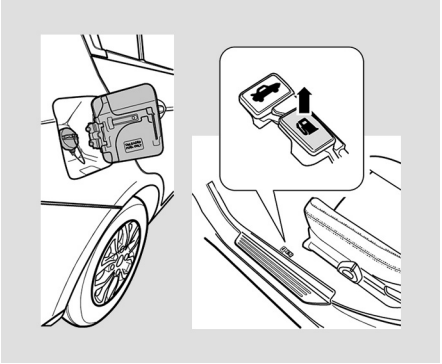
Pay attention to the following when refuelling:

- 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



Fuel Filler Door and Lever (RHD Vehicle)



Fuel Filler Door and Lever (LHD Vehicle)

The fuel filler door and cap is located on the right rear side of this vehicle.

The fuel filler door lever will be at the driver side as shown in illustration above.

How to Refuel

1. When the vehicle is unlocked, pull up the fuel filler door lever to unlock the fuel filler door and open it.
2. Slowly turn the fuel filler cap counter-clockwise 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 refuelling.
4. After complete refuelling, 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 refuelling.◄

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 refuelling, 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 such as canister adsorption, desorption hose, vent pipe with refuelling pipe, canister control valve hose and vent hose, etc., at an authorised PROTON service outlet according to 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 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. ◄

Exhaust System

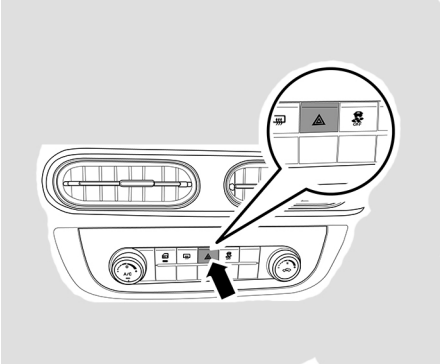
Three-way Catalytic Converter

The exhaust system of this vehicle is equipped with a three-way catalytic converter. It converts harmful gases such as CO, HC and NOx in the exhaust system into CO2, 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 Light



Hazard Warning Light Switch

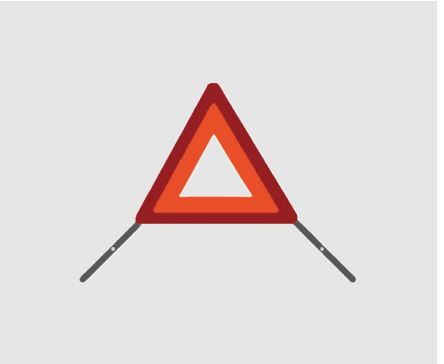
Under special circumstances when the vehicle needs to be decelerated or stopped in an emergency, press the hazard warning light switch.

Then the indicator on the switch will flash along with the left and right turn signal indicators to warn others.

At the same time, the left and right turn lamps will flash.

Press the switch again to turn off the hazard warning light function.

Warning Triangle*



Example of Warning Triangle

The warning triangle is not equipped in this vehicle. ◄

It is recommended to have the warning triangle in vehicle for emergency case. It can be used to alert other vehicle on the emergency condition of this vehicle.

- **Normal Road:**
  The warning triangle is recommended to be placed 50 m - 100 m away behind the vehicle

- **Highway:**
  The warning triangle is recommended to be placed 150 m away behind the vehicle

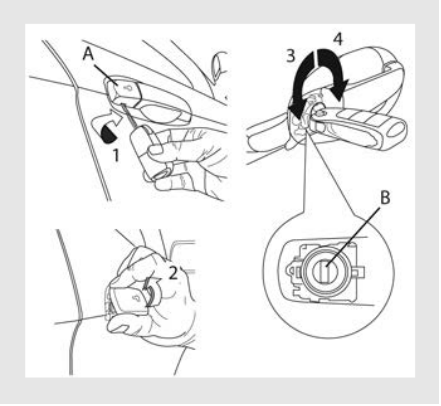
- **Rainy or Foggy Weather:**
  The distance can be further to 200 m away behind the vehicle

Emergency Lock Unlock

Using Mechanical Key

When the vehicle cannot be lock/unlock using the intelligent key or the vehicle power is off, a mechanical key can be used to lock/unlock the door.◄

Emergency Locking Unlocking of Driver Door

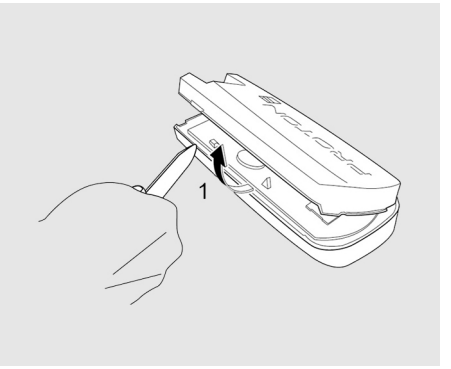


1. Take out the mechanical key from the intelligent key;
2. Put the mechanical key blade into the hole under the driver door lock trim cover (A) as shown in the illustration. Twist the key to pry open the trim cover (A). Tilt the trim cover up and remove it.
3. Insert the mechanical key into the key cylinder slot (B). Turn the mechanical key counterclockwise to unlock the door.
4. Turn the mechanical key clockwise to lock the door manually.

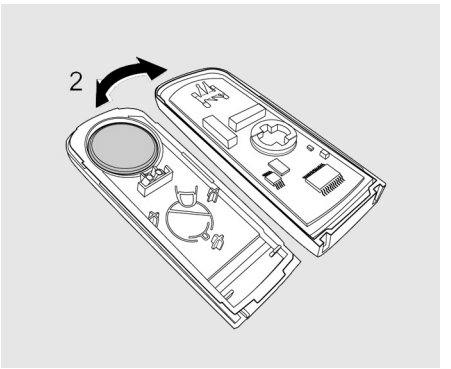
Intelligent Key Battery

Replacement of Weak Intelligent Key Battery

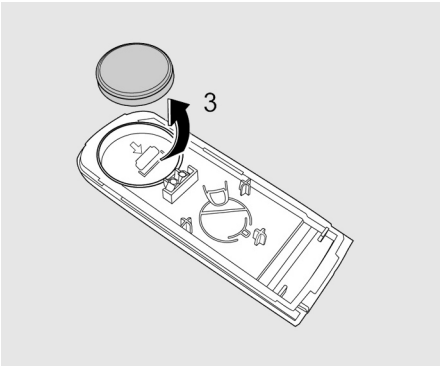
Replace the intelligent key battery if the remote control range decreases, remote functions fail, or the vehicle is unable to recognise the intelligent key due to insufficient battery power.



1. Pry this side until the case is open.



2. Open the intelligent key case.



3. Remove the weak battery and replace it with a new battery, making sure the positive side of the battery is facing the correct position.
   Intelligent key battery model: **3V, CR2032**;

4. Reassemble the two halves of key cover.

- Replacing the battery yourself may damage the key. If necessary, it is recommended to go to an authorised PROTON service outlet for replacement.
- If the replaced key still cannot used, contact an authorised PROTON service outlet.
- To prevent children from swallowing the replaced battery, keep the battery out of the reach of children.◄

Dispose used batteries according to local regulations to avoid damaging the environment.◄

Weak Vehicle Battery

Jump Start

If your engine does not start caused by the weak 12V battery, use a jumper cable to jump start the engine.

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. ◄

Improper use of battery may cause personal injury. The battery is dangerous because:

- Acid contained in the battery may cause scalding.
- Gases in the battery may explode or get ignited.
- The electricity in the battery may result in burns.

Failure to operate strictly in accordance with the following steps may cause one or several above-mentioned injuries. ◄

Selection of Jumper Cable

1. Use the correct jumper cables that can hold the capacity of the electric current during jump start process;
   Incorrect jumper cables can cause heat damage to its cables. Check the product information.

2. Use only jumper cable with insulation at the battery clamps.

3. Normally the insulation of the positive (+) clamp of the jumper cable is shown as **Red** color;
   The insulation of the negative (-) clamp of the jumper cable is shown as **Black** color.

Preparation to Connect the Jumper Cable

- Put the gear lever in the gear P (Park) position (for an automatic transmission) or gear N (Neutral) position (for a manual transmission).

- Correctly engage the parking brake on each vehicle.



Make sure the vehicles' bodies do not touch each other to prevent an undesirable ground connection. In this condition, the vehicle may not start and the bad grounding can damage the electrical systems. ◀

- Turn the ignition to the OFF position. Make sure the jumper cables or clothing do not get bonded by the radiator fan or drive-belt. Injuries can occur.

- Turn off all lights, heater and other electrical loads to prevent from sparks to occur during jump start. If necessary, hazard warning light can be left on for both vehicles.

- It is recommended to always wear protective eye goggles when working near the battery.

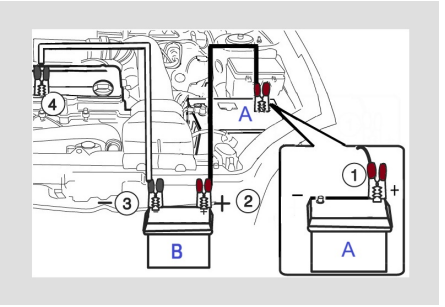
- Check the battery (booster battery) voltage of other vehicle;
  - The booster battery must have a voltage rate of 12V and the capacity (Ah) must be more than the weak battery.
  - If the booster battery uses different system, a short-circuit can damage the two vehicles during jump start.

- Check the jumper cables for any damage and corrosion before using.

- Remove the cover of the battery positive (+) terminal before you connect the jumper cable to the battery.

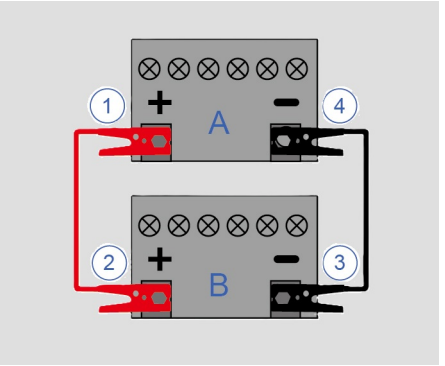
Connecting the Jumper Cables

Method 1



A – Vehicle with weak or flat battery
B – Vehicle with good (booster) battery

Method 2



A – Vehicle with weak or flat battery
B – Vehicle with good (booster) battery

The illustration above shows the correct connection sequence: (1) → (2) → (3) → (4).

Make sure to operate in accordance with the following steps to ensure safety. Ignoring these steps may result in severe damage to the vehicle. Repair incurred thereby is not covered by warranty. ◄

Step to Connect Jumper Cables

1. Connect the **Red** color end (clamp) of the jumper cable to the positive (+) terminal of the weak battery (A).

Avoid the other end of the red positive (+) cable clamp touching any metals before proceed to the next step. ◄

2. Connect the other **Red** color end (clamp) of jumper cable to the positive (+) terminal of the booster battery (B).

3. Connect the **Black** color end (clamp) of the jumper cable to the negative (-) terminal of the booster battery (B).

Avoid the other end of the black negative (-) cable clamp touching any metals before proceed to the next step. ◄

4. Connect another **Black** color end (clamp) to the engine hanger or vehicle grounding point of vehicle with the weak battery (A) or connect to the negative (-) terminal of the weak or flat battery (A).

It is recommended to make connection (4) to the engine hanger or vehicle grounding point of the vehicle with the weak battery (A), where accessible.

Connecting to the negative (-) weak battery terminal have risk of fire and explosion from the flammable gases caused by the battery. Be careful and reach the expert or contact an authorised PROTON service outlet for advice if unsure to conduct the procedure for jump starting. ◄



- Make sure you follow the connection sequence starts from (1), then (2), then (3) and last (4).
- DO NOT connect the positive (+) clamp of the jumper cable to the negative (-) terminal of the booster battery. Sparks caused by the battery can cause an explosion of the battery.
- DO NOT connect the negative (-) clamp of the jumper cable to the fuel lines with metal coating, fuel filter or brake lines; These connections can cause a fire.
- DO NOT let the installed jump cables entangle with the cooling fan or any rotation part in the engine compartment. ◄



If the jumper cables are connected or clamped 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 the jump cable in the correct sequence, and ensure the jumper cables will not touch each other or contact other metal. ◄

Jump Starting (Charging the Weak 12V Battery)



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. When you charge the weak battery, keep away from any sparks and flames from the weak battery. ◄

After installing the jumper cable, follow the jump start procedures:

1. Start the ignition of the vehicle engine with the good (booster) battery.

2. Keep the engine idle for at least four minutes to temporarily charge the battery of the vehicle with weak or flat battery.

3. Start the engine in the vehicle with the weak 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 or maintenance.

4. After the engine starts, let it run for some time. Then, disconnect the cables in the reverse sequence. Remove the clamps of the jumper cable start from (4), then (3), then (2) and last (1).

Read these precautions when jump start on the weak battery.

- When you charge the weak battery, keep away from any sparks and flames from the weak battery.
- When charging the weak battery in a closed space, make sure sufficient ventilation is available.
- The electrolyte of the battery, the battery acid, is a corrosive mixed sulfuric acid. If hands, eyes, clothing and the painted surface of the vehicle come in contact with this electrolyte (battery acid), clean with water. If the electrolyte gets into eyes, flush with water immediately and get medical treatment.
- Do not try to pull or push the vehicle to start the engine; You may damage the vehicle. ◄

Disconnecting Jumper Cables

To disconnect the jumper cables between the two vehicles, do as follows:

1. After starting the vehicle, disconnect the **Black** color cable clamp on the engine hanger or vehicle grounding point or weak battery negative (-) terminal from the vehicle with the weak battery (A).

Avoid the disconnected black negative (-) cable clamp from touching any metals before proceed to the next step. ◄

2. Disconnect the other end **Black** color cable clamp of the jumper cable from the negative (-) terminal of the booster battery (B).

3. Connect the **Red** color cable clamp from the positive (+) terminal of the booster battery (B).

Avoid the disconnected red positive (+) cable clamp from touching any metals before proceed to the next step. ◄

4. Disconnect the other end **Red** color cable clamp of the jumper cable from the positive (+) terminal of the weak battery (A).

If the jumper cables are disconnected 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 remove the jumper cable in the correct sequence, and ensure they do not touch each other or contact other metal. ◄

If the vehicle has anti-lock brake system and the battery is not fully charged, do not drive the vehicle. This condition can cause an incorrect rotation of the engine and the ABS warning lamp to illuminate. ◄



- Be careful not to touch the high temperature area of the front compartment.
- Cooling fans and other operating components of the engine may cause personal injury. Regardless of whether the engine is operating or not, do not touch the cooling fan and engine with hands, cloth, and tools.
- Gas may leak from the battery during charging or jump starting. There is a risk of explosion at this time. Be sure to keep the battery away from sparks, open flames, and other flammable objects.
- The use of open fire near battery may ignite the gases in battery and cause severe casualties. The fluid in the battery is corrosive and can cause serious damage to eyes and skin. In case of accidental contact, rinse immediately with plenty of water and consult a doctor immediately.
- When connecting and removing jumper cables, do not twine the cables with fans, belts, etc.
- Ensure that each cable is properly connected and that the ends are kept at a distance from each other to avoid contact between the positive and negative terminals. Failure to follow the above steps will result in repair that is not covered by the warranty.
- If the vehicle still cannot be started after several attempts or the battery often runs out of power, contact an authorised PROTON service outlet.◄

Vehicle Towing

Towing Tips

The safety chain system must be used for all types of towing. Wheels and axles in contact with the ground must be in good condition; if any damage is present, a tow truck must be used.



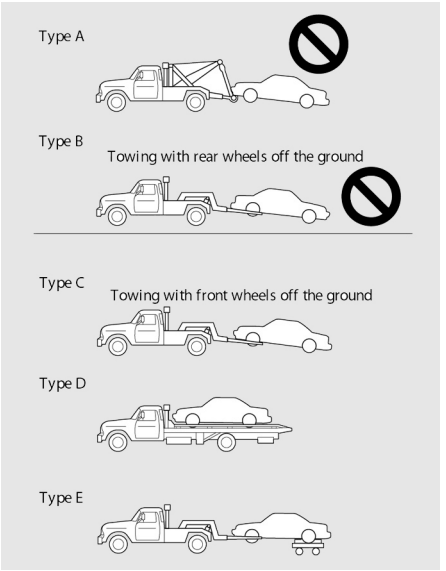
- Observe the laws and regulations of the local authorities when towing this vehicle.
- The front wheels of the towed vehicle should be lifted up when a special towing truck is used. Do not tow this vehicle in a reverse condition with the front wheels on the ground; otherwise, the transmission will be 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. ◄

Tow Carriage

It is possibly for the vehicle to be towed by another vehicle with a rope or by a tow carriage (tow truck). The regulations about tow possibility are different from area to area.

When a tow carriage tows your vehicle, lift the front wheels high off the ground. ◄

Towing the Vehicle with a Tow Carriage



- If the transmission does not operate correctly or damaged, send the vehicle with the front wheels on a carriage. Use only type C, D or E carriage.
- DO NOT tow the vehicles with AT or CVT with the front wheels on the ground (Type B). Make sure the vehicle is towed with the front wheels high off the ground.
- DO NOT tow the vehicle by a sling lift type of tow-carriage (Type A) as shown. The sling rope part may damage the front bumper.
- When the vehicle travels down a long slope, the brake may become hot and not hold. Tow the vehicle on a type D or E equipment in such a situation.
- If the rear wheels do not operate correctly or damage, tow the vehicle with type D or E equipment.
- To prevent the entry of exhaust gas from the tow-equipment, set the air selection knob to an inside-air circulation position.
- Make sure to turn off the ignition when towing the vehicle with Electronic Stability Control (ESC). If this type of vehicle If this type of vehicle is towed, the ESC may be activated, causing an accident.
- When the AT or CVT transmission fluid level is low, DO NOT tow the vehicle with the rear wheels high off the ground .◄

Towing Guidelines

This vehicle is not equipped with a towing eye. To prevent vehicle damage and ensure safe recovery, follow the towing guidelines below when towing the vehicle.

1. When using a soft or flexible towing connection (such as a tow rope or strap), the distance between the towing vehicle and the towed vehicle must be no less than 4 metres and no more than 10 metres. In the event of brake failure, a rigid towing device (such as a tow bar) must be used.

2. The hazard warning lamps must be turned on for both the towing vehicle and the vehicle being towed.

3. If the vehicle is equipped with an automatic transmission, observe the following:
   - Move the gear shift lever to the neutral (N) gear position.
   - Do not tow the vehicle at speeds exceeding 50 km/h.
   - Do not tow the vehicle for a distance greater than 50 km.
   - When using a specialised towing vehicle, only the front wheels of the towed vehicle may be lifted.

Vehicles equipped with an automatic transmission must never be towed with the rear raised and the front wheels in contact with the ground. Doing so may result in severe damage to the transmission.

In the following situations, a specialised towing vehicle or a flatbed trailer must be used:

- If the transmission has been damaged and is lacking lubrication oil.
- If the towing distance for a vehicle with an automatic transmission exceeds 50 km. ◄

Towbar Anchorage*

The towbar anchorage is a structural attachment point on the vehicle body designed for the installation of an approved towbar assembly. It enables this vehicle to tow other small trailers, small caravans, or other approved loads within the manufacturer's specified towing capacity.

The towbar anchorage is a market specific feature available only on models intended for the South African market. Vehicles not equipped with this feature are not approved for trailer towing. Any vehicle damage, component failure, or related issues resulting from unauthorized towing are not covered by the manufacturer's warranty. ◄

Safety Information

- Never exceed the vehicle manufacturer's maximum towing capacity.
- Never exceed the towbar's rated towing capacity.
- The lowest-rated towing component determines the maximum allowable towing load.

- Ensure all mounting bolts are tightened to the specified torque.
- Do not use a damaged or corroded towbar anchorage.
- Do not use the towbar anchorage as a vehicle recovery point unless specifically approved by the vehicle manufacturer. ◄

Connecting a Trailer

1. Position the Vehicle
   Park on level ground, apply the parking brake and align the towball directly beneath the trailer coupling.

2. Couple the Trailer
   Lower the trailer coupling onto the towball and engage the locking mechanism. Raise and secure the trailer jockey wheel.

3. Attach Safety Chains
   Cross safety chains beneath the coupling and attach chains to designated safety chain points on the towbar.
   Ensure sufficient slack for turning but prevent chain dragging.

4. Connect Electrical Harness
   Insert the trailer plug into the vehicle socket*.
   Confirm proper operation of all trailer lights.

Driving While Towing a Trailer

1. Start Driving
   Accelerate gradually and avoid sudden clutch engagement or rapid acceleration.
   Observe local towing speed limits.
2. Turning Left or Right
   Make sure to take wider turns due to increased trailer tracking.
3. Braking or Reducing Vehicle Speed
   Additional weight will increase the requirement for stopping distance.
   Brake gradually to reduce trailer sway. Reduce speed during strong winds, rain, or uneven road conditions.

If the trailer sway occurs while driving, please remain calm and do not accelerate the vehicle.
At this time, hold the steering wheel firmly while gradually try to reduce the vehicle speed. Avoid sudden or emergency braking whenever possible.
Stop when safe and redistribute the load if necessary. Secure all cargo and place the heavier items low and near the trailer axle. ◄

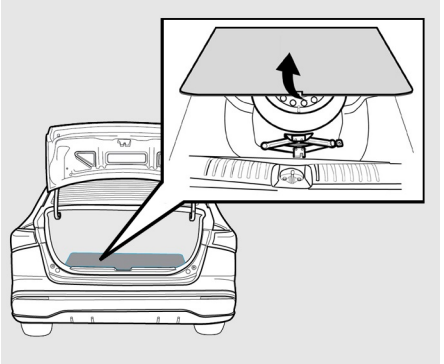
If unusual noise, movement, or trailer instability is observed:

- Pull over safely.
- Inspect the towbar anchorage and trailer connection.
- Verify all bolts, chains, and couplings remain secure.
- Do not continue towing if damage is found.◄

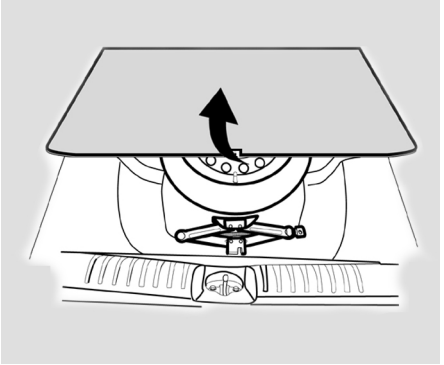
Flat or Punctured Tyre

Spare Tyre, Tools and Jack

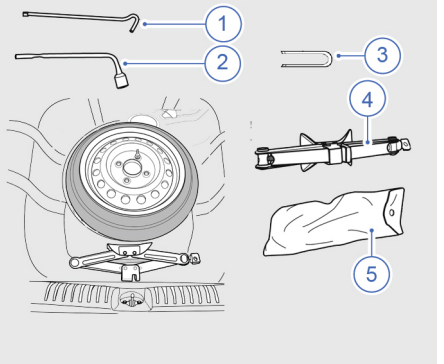
Before performing any tyre change or roadside repair, familiarize yourself with the storage locations of the spare tyre, tools, and jack, which are located in the luggage compartment (trunk area)



Lift the floor board in the luggage compartment to access the spare tire, tool set, and jack.



Tool Set*



1. Tyre bar
2. Tyre wrench
3. Wheel nut cover removal tool *
4. Jack
5. Tool bag

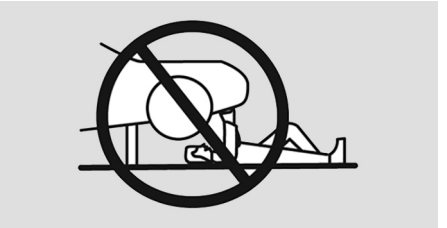
The actual tools supplied are subject to the vehicle configuration. For details, consult your sales advisor. Make sure the tool set is kept in a safe place. ◄

Lift the Vehicle with a Jack

Before operating the jack to lift the vehicle, carefully read and know these precautions.

- Install the jack ONLY at the specified position at the undercarriage body. If the jack is installed at an incorrect position, the vehicle body may be damaged and the jack may possibly tip over; the vehicle may fall and cause injury.
- If the jack is placed on a hill or soft surface, the jack may tip over; the vehicle will fall and cause an accident.
- Before placing the jack, make sure the surface is away from any loose stones / pebbles.
- Make sure the jack is placed on a level and hard ground.
- Make sure the vehicle wheels on the ground are provided with a stopper.
- When the vehicle is jack, no person or body part should be under the vehicle.◄

- Lift the vehicle until the tyre position is high to install or remove the tyre or tyre-chain.



- Do not go below the vehicle while the vehicle is on the jack.
- Do not move or leave the lifted vehicle hold on the jack for extended time.
- Do not start or operate the engine while the vehicle is on the jack. The vehicle may move and the jack possibly tip over.
- Do not turn the lifted wheels. The tyres remaining on the ground may turn, causing the vehicle body to fall off the jack.◄

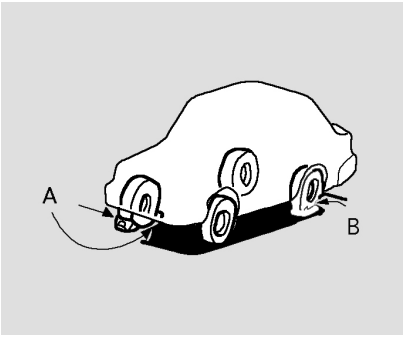
How to Use the Jack

Before jacking the vehicle, first stop the vehicle in a safe, flat location.

1. Park the vehicle on a level and stable ground without any loose stones /pebbles.
2. Turn on the hazard flashers.
3. Install a warning triangle.
4. Flash signal lamp at sufficient distance from the vehicle and have all the passengers leave the vehicle.
5. Put the ignition to the “OFF” or LOCK" position.
6. Correctly engage the parking brake.

When you lift the vehicle with a jack, make sure you install the wheel chocks or blocks to the correct tyre . If the lifted vehicle moves, the jack can move from its position and cause an accident. ◄

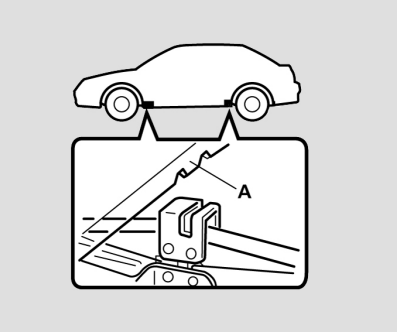
7. Put a wheel chock or block (A) at the tyre opposite the tyre (B).



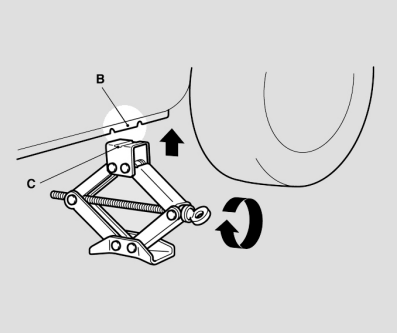
A – Wheel chock / block
B – Tyre to remove or replace

The wheel chocks shown in the illustration do not come with the vehicle. Keep the wheel chock in the vehicle for use when necessary. If no wheel chock is available, use a rock or other objects with a same size to hold the wheel in position. ◄

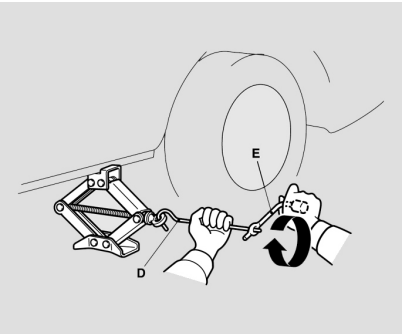
8. Install the jack at the jacking points (A) shown in the illustration. Make use the jacking point near to the tyre .



9. Turn the jack until the flange part (C) installs in the groove at the top of the jack.



10. Install the bar (D) into the wheel nut wrench (E). Set the end of the bar to the shaft end of the jack, as shown in the illustration.
    Slowly turn the wheel nut wrench until the tyre is high enough to fit the inflated spare tyre.



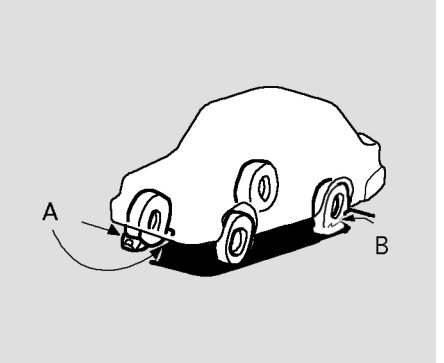
Use only the jack included with the vehicle to change the wheels and install tyre-chains. ◄

To lift the vehicle, turn jack handle to the right-side direction.
To lower the vehicle, turn jack handle to the left-side direction. ◄

Replacement of Tyre

Before changing a tyre, first stop the vehicle in a safe, flat location.

1. Park the vehicle on level and stable ground, without loose small stones.
2. Correctly set the parking brake.
3. Turn on the hazard flashers and install the supplied warning triangle.
4. Flash signal lamp at sufficient distance from the vehicle and have all passengers leave the vehicle.
5. Install the wheel chock or block (A) at the tyre that is opposite from the tyre (B) you change. If wheel chocks are not available, use a rock or other object with a same size.



6. Get the supplied jack, bar and wheel nut wrench.

When lifting the vehicle with a jack, make sure to install the wheel chocks or blocks to the correct tyre. The jack can move from its position and cause an accident. ◄

The wheel chocks shown in the illustration do not come with the vehicle. Keep the wheel chock in the vehicle for use when necessary. If no wheel chocks are available, use other objects with the same size to hold the wheel in position. ◄

Spare Tyre Information

Check the air pressure of the spare tyre frequently and make sure the tyre is fit for emergency use.

Keep the spare tyre at the maximum specified air pressure. The spare tyre is stored below the trunk floor board of the luggage compartment.

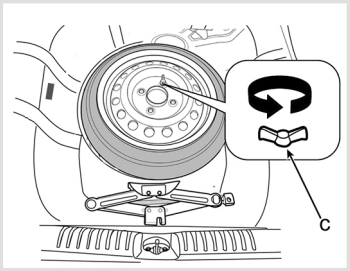
- Use only one temporary spare tyre at a time.
- Make sure you check and keep the air pressure at the maximum specified pressure all the time.
- Driving with low tire pressure can lead to an accident. When using a spare tire with reduced pressure, drive slowly and carefully.
- The spare tyre is for temporary use only until the tyre is repaired or replaced.
- Do not drive the vehicle at speed more than 80 km/h (49.7mph) while using the spare tyre. ◄

How to Remove the Spare Tyre

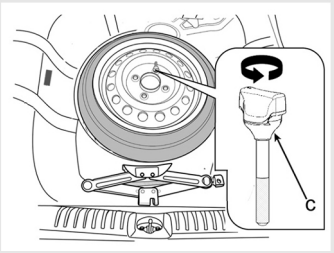
1. Lift the floor board of the luggage compartment.

2. Turn the clamp to the left-side to remove the installation clamp (C). Remove the spare tyre.

Type 1

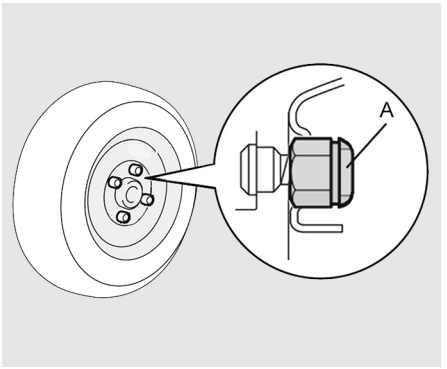


Type 2



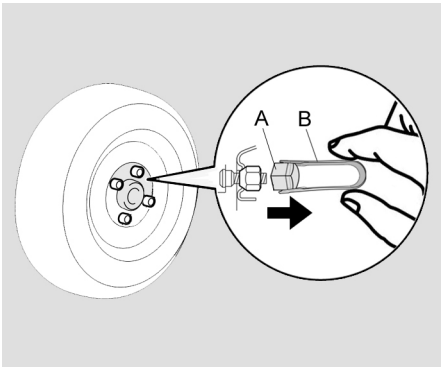
How to Change a Tyre

1. Some vehicles may be fitted with wheel covers but some has wheel nut covers (A).

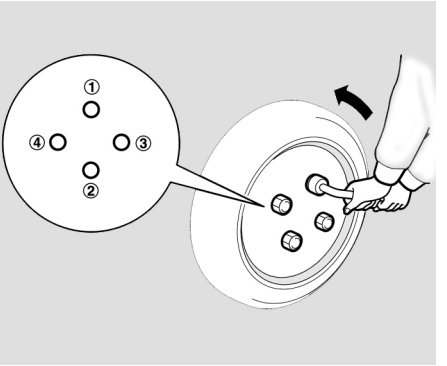


2. On vehicles with wheel covers, first remove the wheel covers.

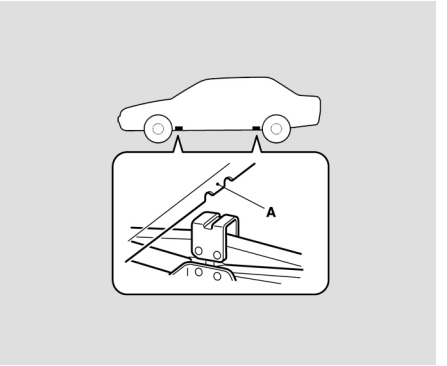
3. On vehicles with wheel nut covers (A), remove them using the wheel nut cover removal tool (B). Keep the wheel nut covers in a safe place.



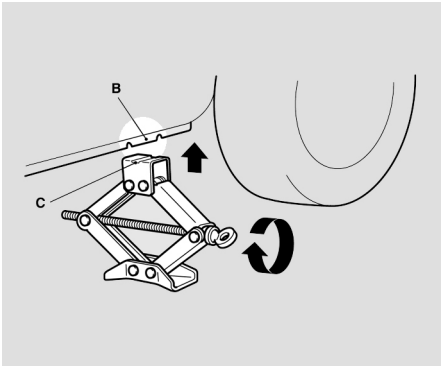
4. Loosen the wheel nuts a quarter turn with the wheel nut wrench. Do not remove the wheel nuts.



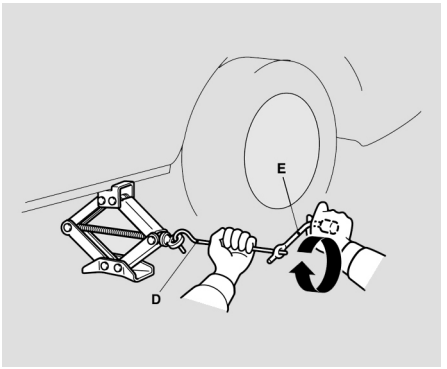
5. Put the jack at the bottom of one of the jacking points (A) shown in the illustration.



6. Turn the jack to the right with your hand. Turn until the flange part (B) attaches in the groove (C) at the top of the jack.



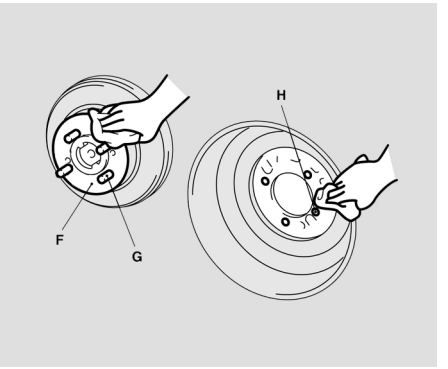
7. Install the end of the bar (hook end shape) into the shaft of the jack end. Install the bar (D) into the wheel nut wrench (E).



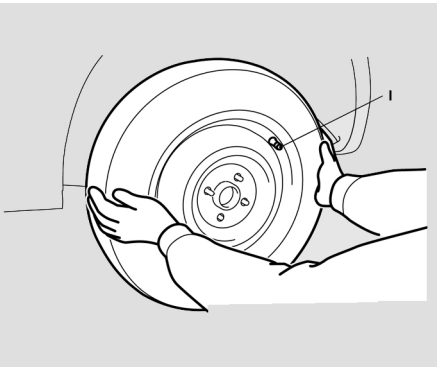
Slowly turn the wheel nut wrench until the tyre is lifted from the ground.

8. Remove the wheel nuts with the wheel nut wrench, then remove the tyre.

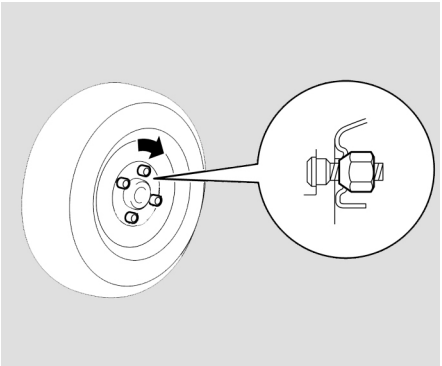
9. Clean out any mud on the hub surface (F), hub bolts (G) or in the installation holes (H) in the wheel.



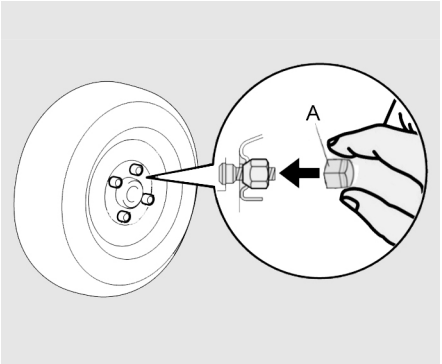
10. Install the spare tyre. Tighten the wheel nut with your fingers.



11. Tighten the wheel nuts with the wheel nut wrench. Push the end of the tyre wrench with your hand until the nut is fully locked.



Do not reinstall the wheel nut covers to the wheel nuts if use spare wheel. ◄



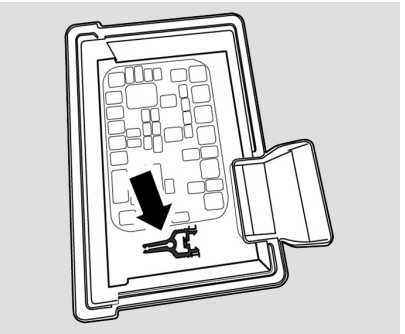
Do not forget to reinstall the wheel nut covers (A) once the original wheel is repaired and reinstalled. ◄

Fuse

Replacement of Fuse

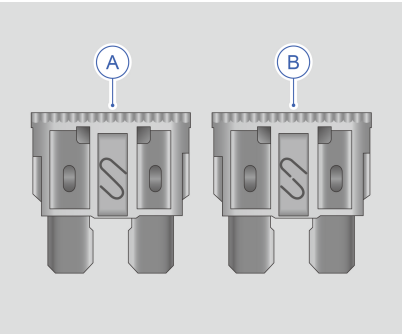
If any electrical components are not working, it is possible that the fuse has blown. If this happen, it is recommended to check as per the below and replace the fuse if necessary:

1. After turning off the start switch and all electrical equipment, disconnect the negative battery cable.



Fuse Clip

2. Clamp the fuse head with fuse clip to remove the fuse. Check whether the metal wire is blown.



A- Fuse is intact
B- Fuse is blown

Do not try to repair any blown fuse. Do not substitute any blown fuse with a fuse of different colour or amperage, otherwise the electrical system will get damaged or cause fire due to overload of wires.◄

3. Replace with a new fuse of the same model and specification. If the fuse blows immediately after replacement, contact an authorised PROTON service outlet as soon as possible.

The colour indicates the amperage of fuse. This amperage is also marked on fuse.◄

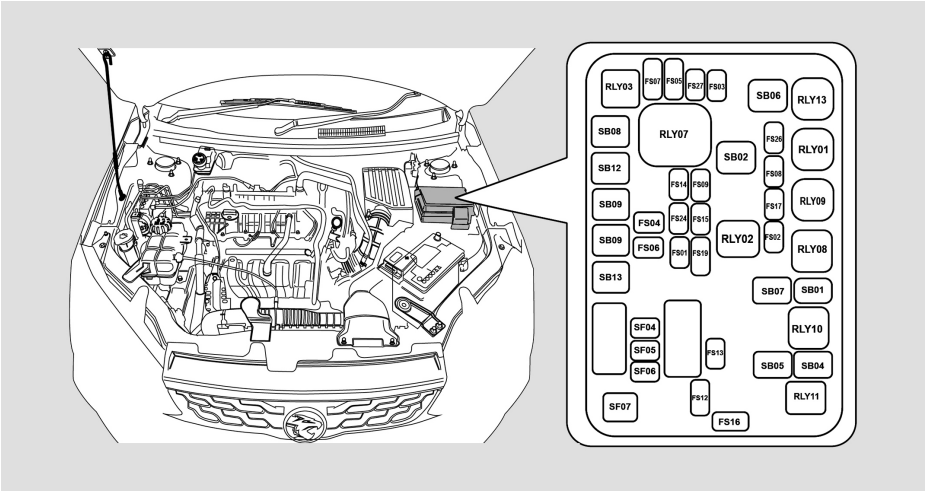
Contact with liquid may damage electric components in the vehicle. Be sure to secure the covers of all electrical components.◄

Exterior Fuse Box

The fuse box in engine compartment is also known as the Exterior Fuse Box.

The location of the exterior fuse box for both RHD and LHD vehicle is the same as shown in illustration, inside the engine room compartment.

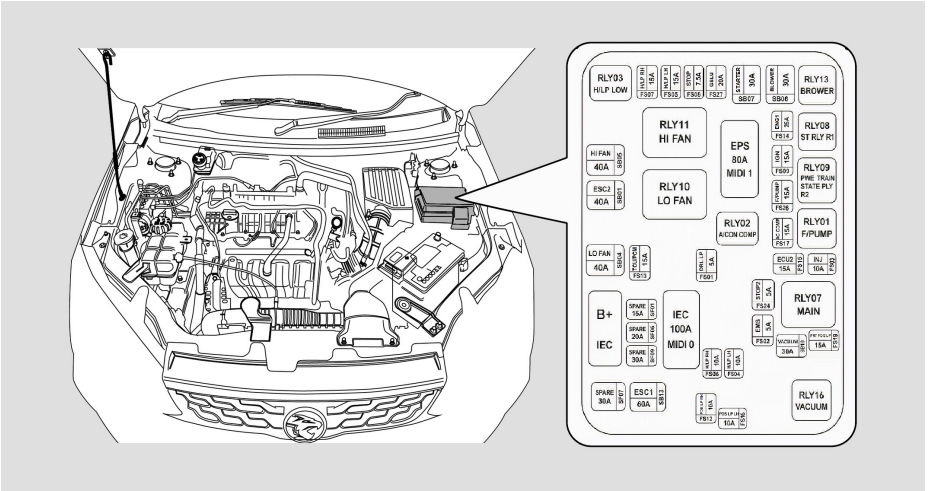
Type 1



Fuse No.	Name	Amperage	Note
SB01	ESC2	40A	-
SB02	IGN SW1	40A	Ignition Switch
SB04	Cooling Fan HI	40A	High speed
SB05	Cooling Fan LO	40A	Low speed
SB06	Blower	30A	-
SB07	Starter HI/LOW	30A	-
SB08	BTN2	40A	Battery B+
SB09	BTN1	60A	Battery B+
SB10	BTN3	40A	Battery B+
SB12	Power Window LH	30A	Left Window Motor

Fuse No.	Name	Amperage	Note
SB13	ESC1	60A	-
SF04	Spare	15A	-
SF05	Spare	20A	-
SF06	Spare	30A	-
SF07	Spare	30A	-
FS01	DRL	5A	-
FS02	ECU1	5A	-
FS03	INJ	10A	Injector
FS04	H/LP HI LH	5A	Left High Beam
FS05	H/LP LO LH	5A	Left Low Beam
FS06	H/LP HI RH	5A	Right High Beam
FS07	H/LP LO RH	5A	Right Low Beam
FS08	STOP	5A	Brake Lamp
FS09	IGN	15A	Ignition
FS12	POS LP RH	5A	Right Position Lamp
FS13	TCU	15A	-
FS14	ENG1	25A	-
FS15	ECU2	15A	-
FS16	POS LP LH	5A	Left Position Lamp
FS17	AC COMP	15A	A/C Compressor
FS19	FR FOG LP*	15A	Front Fog Lamp*
FS24	STOP2	5A	Brake Lamp
FS26	FUEL	15A	Fuel Pump
FS27	GSL	20A	Gearshift
MIDI 01	EPS	80A	Power Steering

Type 2



Fuse No.	Name	Amperage	Note
SB01	ESC2	40A	-
SB04	Cooling Fan LO	40A	Low speed
SB05	Cooling Fan HI	40A	High speed
SB06	Blower	30A	-
SB07	Starter	30A	-
SB10	Vacuum Pump	30A	-
SB13	ESC1	60A	-
SF01	Spare	15A	-
SF06	Spare	20A	-
SF07	Spare	30A	-
SF09	Spare	30A	-
FS01	DRL	5A	-
FS02	EMS	5A	-
FS03	INJ	10A	Injector

Fuse No.	Name	Amperage	Note
FS04	Head Lamp HI LH	10A	Left High Beam
FS05	Head Lamp LO LH	15A	Left Low Beam
FS06	Head Lamp HI RH	10A	Right High Beam
FS07	Head Lamp LO RH	15A	Right Low Beam
FS08	STOP	7.5A	Brake Lamp
FS09	IGN	15A	Start Switch IGN
FS12	POS LP RH	10A	Right Position Lamp
FS13	TCU/PCM	15A	Transmission
FS14	ENG1	25A	-
FS15	ECU2	15A	-
FS16	POS LP LH	10A	Left Position Lamp
FS17	AC COMP	15A	A/C Compressor
FS19	FRT FOG LP*	15A	Front Fog Lamp
FS24	STOP2	5A	Brake Lamp
FS26	F/PUMP	15A	Fuel Pump
FS27	GSLU	20A	Gearshift Lever
MIDI 01	EPS	80A	Power Steering

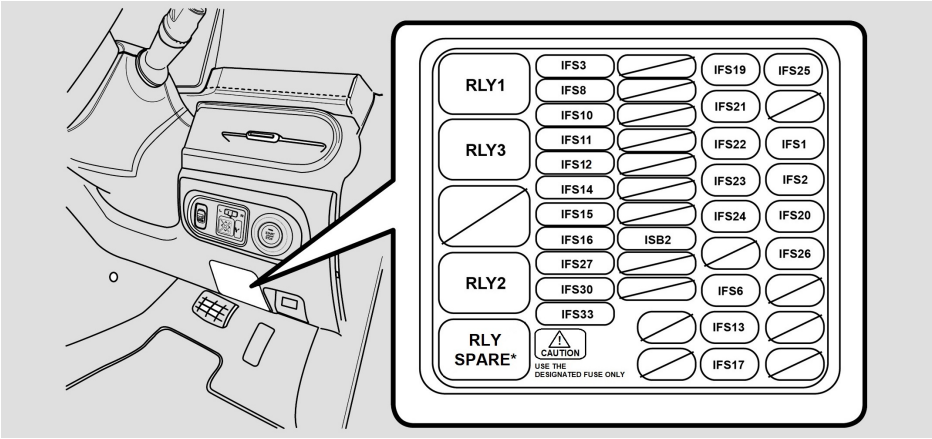
The fuse and relay information for both type of the exterior fuse box above are based on available information at the time of publication. Please refer to actual label at vehicle. ◀

Interior Fuse Box

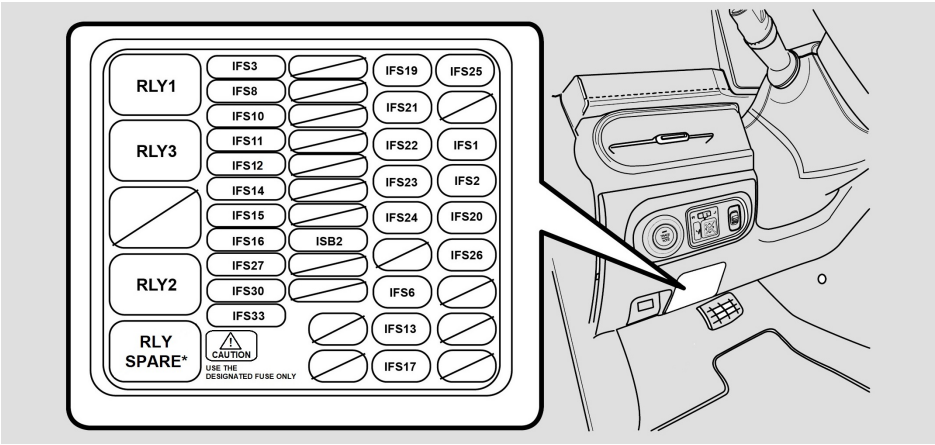
The fuse box in instrument panel is also known as the Interior Fuse Box.

The location of the interior fuse box for both RHD and LHD vehicle are as shown in illustration, inside the instrument panel (dashboard) near the steering wheel.

Right Hand Drive (RHD) Vehicle



Left Hand Drive (RHD) Vehicle



Fuse No.	Name	Amperage
IFS1	USB	10A
IFS2	Power Socket	15A
IFS3	Diagnostic	10A
IFS6	Body Control Module 3 (BCM3)	20A
IFS8	Body Control Module 1 (BCM1)	30A
IFS10	Multi Display Unit (MDU)	15A
IFS11	Body Control Module 5 (BCM5)	10A
IFS12	Body Control Module 2 (BCM2)	30A
IFS13	Body Control Module 6 (BCM6)	10A
IFS14	Body Control Module 11 (BCM11)	15A
IFS15	Body control module 9 (BCM9)	15A
IFS16	Body control module 14 (BCM14)	15A
IFS17	Module 3	5A
IFS19	Parking Sensor	5A
IFS20	Mirror Control	10A
IFS21	Module 1	5A
IFS22	Air Condition (AC) Switch	10A
IFS23	Airbag Control Unit (ACU)	10A
IFS24	ESC, EPS	5A
IFS25	Body Control Module 7 (BCM7)	20A
IFS26	Module 4	5A
IFS27	Body Control Module 15 (BCM15)	10A
IFS30	RFR/TBOX	5A
IFS33	P SW/RSRS/AC/FCS*	5A
ISB2	Body Control Module 4 (BCM4)	30A
RLY1	IGN1	-
RLY2	ACC	-
RLY3	IGN2	-

Bulb

Replacement of Bulb

Bulb Specification

Component Name	Bulb Capacity
Centre High Mounted Stop Lamp (CHMSL)	P21W
Luggage Room Lamp*	3.4W
License Plate Lamp	W5W

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 front or rear combination light shade, such as in rainy days or when washing the vehicle, there may be temporary fogging in the light shade. This is natural. The fog will dissipate after the lights are turned on for a short time. If it does not dissipate, contact an authorised PROTON service outlet.◄

Emergency Response

Engine Overheating



- Do not continue driving when the engine is overheating, as this may result in engine damage or vehicle fire.
- Open the hood only when there is no steam or coolant overflowing.
- Do not open the expansion tank cover when the engine and radiator are hot.
- Keep hands and clothing away from the cooling fan and engine drive belt while the engine is running.◄

If the engine overheats, follow the steps below:

1. Drive the vehicle safely off the road, turn off the air conditioning and turn on the hazard warning lights after parking, and shift the gear into Park (P) to activate the parking brake.
2. If the engine overheating is caused by climbing a long slope in hot weather, idle the engine until the coolant temperature indicator turns off;
3. Check the front compartment for any signs of steam or coolant leakage;
4. If there is no obvious coolant overflowing, the overheating may be caused by a radiator fan failure or low coolant level. Contact an authorised PROTON service outlet as soon as possible.

Getting out from Trap

When the vehicle is stuck in snow, mud pit, sands or other soft roads, please evacuate as per the following steps:

1. Observe the surroundings of the vehicle to ensure that there are no people or obstacles;
2. Turn the steering wheel to the left/right to grind the area around the front wheels;
3. Engage the forward or reverse gear to move the vehicle forward and backward slowly;
4. If the vehicle remains stuck after several attempts, seek professional towing services.



When using forward and backward movement to drive the vehicle out of the pit, it may suddenly rush forward or backward. The driver must keep alert at all times to avoid casualties.◄

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. ◄

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Regular Maintenance

Regular Maintenance

It is recommended to pay attention to the vehicle status regularly to keep your vehicle in the best condition.

To keep the car in good running condition, please follow the service recommendation by PROTON.

This repair and maintenance section contains those procedures of the service maintenance that the owner can do. If you find there is a malfunction or other problems, go to an authorised PROTON service outlet for inspection.

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 Windows

Use glass cleaner to clean the glass panel of windows or windshield. Do not use viscous cleaners.

If you often drive in windy and dusty environment, use wet sponges regularly to clean the dust and soil around the glass strips.

Hood

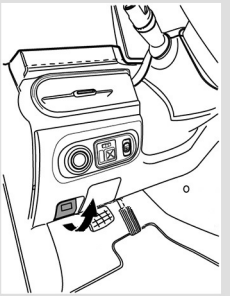
Opening and Closing of Hood

Opening The Hood

1. For right hand drive vehicle, pull the hood opening handle located on the lower right side of the driver instrument panel.

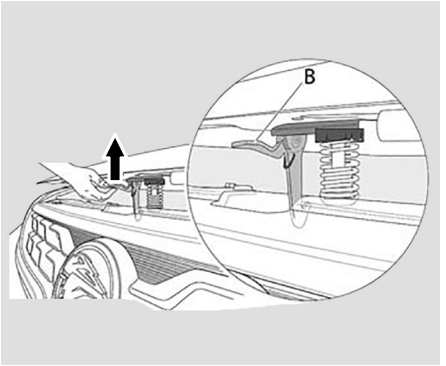


2. For left hand drive vehicle, pull the hood opening handle located on the lower left side of the driver instrument panel.

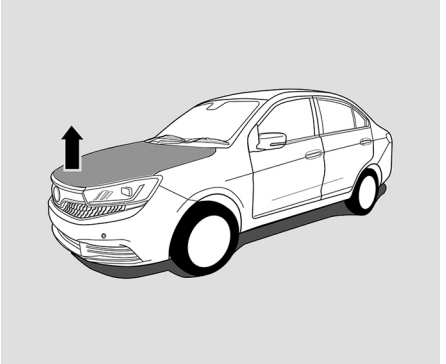


3. Push the handle of the hood lock safety hook, which is located in the middle of

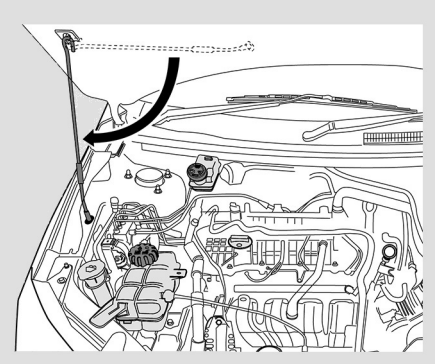
the radiator grille, to the direction of the arrow as shown in the diagram to separate it.



4. Lift up the hood



5. Take out the support rod to support the hood.



Closing The Hood

Before closing the hood, it is necessary to check if any tools, rags, etc. have been left in the front engine compartment, and make sure that all filler caps are closed. ◄

1. Close the hood downward and it indicates that the hood is locked when a clicking sound is heard;

2. After the hood is closed, verify that it is fully locked by trying to lift the front edge of it.

If it is not completely locked, open the hood again, and then close it. Do not directly push down with extreme force. ◄

Do not drive the vehicle with the hood not properly closed.◄

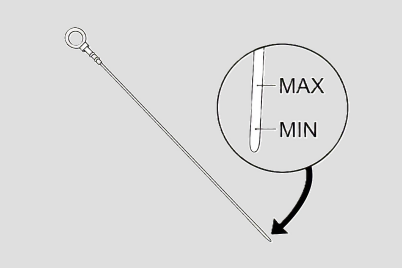
Oil and Fluids

Engine Oil

Checking and Filling Engine Oil

1. Park the vehicle on a flat surface, turn off the engine, and wait for a few minutes (let the engine cool down for 10 minutes after it has reached a water temperature of 90 degrees Celsius).

2. Pull out the dipstick, wipe it clean with a paper towel or cloth, and then insert it back fully.



3. Pull out the dipstick again to check the oil level.

4. If the engine oil level is found to be below the MIN mark, unscrew the engine oil filler cap and add engine oil to maintain the oil level between the MAX and MIN marks on the dipstick, preferably at 3/4 of the range;

5. Wait for a few minutes and then check the engine oil level again. If the engine oil is still below the MIN mark, add an appropriate amount of engine oil;

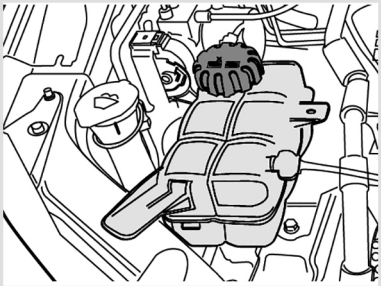
6. Insert the dipstick properly and secure the engine oil filler cap.

A new engine may consume more engine oil during the running-in period. This is a normal phenomenon. Maintain the engine according to regulations in the Warranty and Service Booklet. ◄

Only use the engine oil recommended and approved by PROTON. ◄

Dispose the used engine oil in accordance with the relevant local environmental protection laws. ◄

Coolant



Be sure to park the vehicle on flat ground when inspecting the coolant level. Check that the coolant level in the coolant expansion tank is between the MAX and MIN marks. If the coolant level is below the MIN mark, refill the coolant into the expansion tank referring to the below process.

Before opening the pressure cap of coolant expansion tank, ensure the cooling system (including the pressure cap of coolant expansion tank and the upper hose of radiator) has completely cooled down.

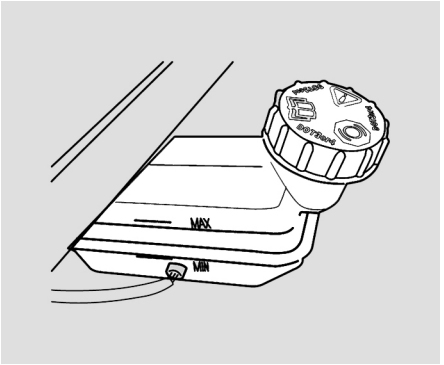
1. Turn the pressure cap anti-clockwise slowly. If you hear any hissing sound, open it until the sound stops. The hissing sound indicates there is still pressure in it.
2. Continue turning the pressure cap and remove it.
3. Fill with coolant slowly until the coolant in the coolant expansion tank reaches between the MAX and MIN marks and the liquid level no longer drops.
4. With the coolant expansion tank pressure cap open, start the engine and let it run until the upper hose of the radiator starts to heat up. At this time, the coolant level in the coolant expansion tank may drop. If the coolant level is below the MIN mark, add an appropriate amount of coolant to the coolant expansion tank until the coolant level stabilizes between the MAX and MIN marks.
5. Observe the drop of the coolant in the expansion tank and replenish it in time. The coolant level in the coolant expansion tank should be kept between the MAX and MIN marks;
6. Observe the vent of the coolant expansion tank. When the coolant continuously flows out of the vent and the coolant level in expansion tank no longer drops, tighten the pressure cap. Then the coolant refilling is completed.

Please refill the certified ethylene glycol-type coolants. Mixing coolants from different suppliers is not allowed. Damage or failure caused by such mixtures is not covered by PROTON's warranty.◄

Anti Corrosion

The anti corrosion agent of the engine coolant is an ethylene glycol type. The cylinder head and the water-pump housing are made of aluminium alloy. Change the engine coolant regularly to prevent the corrosion of these parts. Do not replace the coolant with a clear water.

Brake Fluid



Check the brake fluid level from time to time. Make sure that the brake fluid level remains between the MAX and MIN marks.

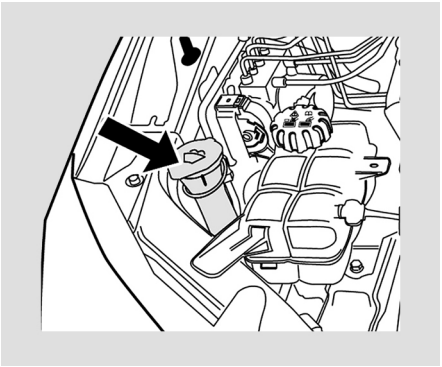
If the brake fluid level is lower than the MIN scale mark, unscrew the reservoir cap and slowly pour in the brake fluid to prevent the brake fluid from overflowing. In case of accidental overflowing, it should be removed immediately, otherwise the parts in the compartment will be damaged.

Use brake fluid with DOT3 or DOT4 only. However, do not mix between the two type of brake fluids. ◄

- Brake fluid is harmful to human body. In case of accidental contact, rinse immediately with plenty of water. If the brake fluid is consumed, consult a doctor immediately.
- Brake fluid leakage causes the brake fluid level to drop. Visit 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.
- The fluid is hygroscopic; It easily absorbs moisture from the air. Any moisture in the fluid will cause an effect to the brake system and reduce the brake performance.
- The fluid reservoir has special cap to prevent the entrance of air. Do not remove this cap. Fully tighten the cap to prevent contamination from particles or moisture.
- When the fluid level is below the "MIN" mark, the brake warning light at the meter display will illuminate. ◄

Washer Fluid

Replenishing Washer Fluid



Open the filler cap with a washer sign printed on it, and add the appropriate amount of washer fluid.

The freezing point temperature of the washer liquid should be 10° C lower than the local minimum temperature.◄

It is strictly prohibited to add liquids such as soapy water instead of washing liquid, otherwise the paintwork of the vehicle body may be damaged. It is recommended to use qualified windshield glass washer fluid.◄

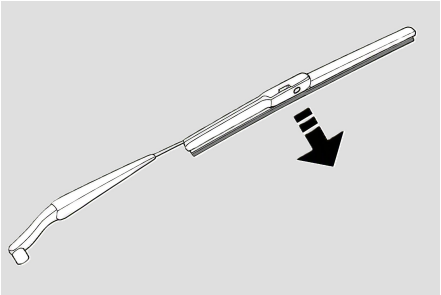
Always use clean water or fluid to prevent the nozzle from blockage. Dirty water can cause a blockage to the channels in the washer system. ◄

Wiper

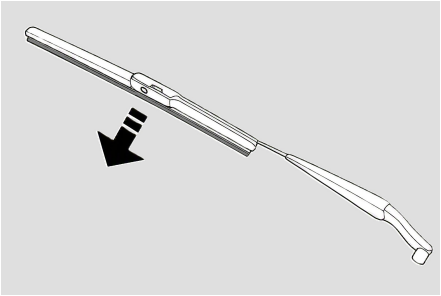
Replacement of Wiper Blades

- Grease, silicon and petroleum products will weaken the wiping effect of wiper blades. Wash wiper blades with warm soap water and regularly check their condition.
- Wash and clean the windshield frequently, and avoid using wiper blades to wipe sand, or the wiping effect of wiper blades and the service life will be affected.
- Replace the wiper blades if the rubber is hardened or cracked, or if the wipers leave scratches on windshield or cannot wipe a certain area.
- Clean the windshield regularly with approved windshield washer fluid, and ensure that the windshield is thoroughly cleaned before replacing wiper blades.
- Use wiper blades of the same specification as the original wiper blades.
- If the wiper or windshield is covered by ice or snow or is frozen, clear the ice and snow on the wiper and windshield before using the wiper to avoid damage.
- Do not use the wipers when the windshield is dry or there are hard objects on the surface. This may damage the wiper blades and windshield.◄

Type 1



Type 2



How to Replace the Wiper Blade

1. Pull the windshield wiper blade assembly away from the windshield.
2. Pull the windshield wiper blade in the direction indicated by the arrow and remove it directly;
3. Install windshield wiper blade in the reverse sequence of steps 1 to 2.

Battery 12V

Maintenance of Battery

This vehicle is provided with maintenance-free battery.

Battery posts, terminals and related accessories contain lead and lead compounds, which may be harmful to health. Neutralize with soap and rinse thoroughly with water after contact.◄

To extend the service life of vehicle battery and ensure the normal operation of electrical systems, please observe the following suggestions:

- When driving in a cold region, prevent the battery from full discharge to avoid electrolyte freeze.
- Avoid overcharge or long-term power loss of the battery.
- In case of undervoltage of battery, charge it via external power supply in time.
- Keep the battery away from heat source and open fire. When it is charged or used, keep good ventilation to prevent burning and injury.
- To prevent long-term high current discharge of the battery, the starting time for each use should not exceed 5 seconds. There should be 10-15 seconds interval between two consecutive starts.

- The battery shall be installed securely in vehicle with minimal vibration.

- Regularly inspect whether the clamps of battery terminals are secure and well contacted, so as to avoid sparks which thereby causes explosion. The oxides and sulfates produced by the battery clamps must be scraped off and coated with vaseline.

- As there will is slight current consumption in the vehicle circuit system when parking, leaving the vehicle stationary for a long time will cause the battery to run out of power. Therefore, if the vehicle is to be stored for a long time, the black negative (-) cable should be unplugged from the 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 Warranty and Maintenance Manual to carry out regular maintenance on the vehicle in a timely manner.

Replacement of Battery

When replacing the battery, be sure to use the battery of the same model and specifications. Contact an authorised PROTON service outlet for removal, replacement and installation of the battery.

Different models of batteries have different terminals. The mismatch between the battery terminals and the wiring harness terminals will lead to failure to tighten, and there is a risk of breaking down.◄

After the battery is replaced, provide the used battery to a PROTON service outlet for disposal, or deliver it to the collection depot meeting relevant environmental protection laws. There is highly corrosive toxic substance in the battery. Please keep the battery upright when transporting and storing.◄

An overheating failure by the flat or low-voltage battery may produce harmful gases, please leave the vehicle as soon as possible. ◄

Tyre

Maintenance of Tyre

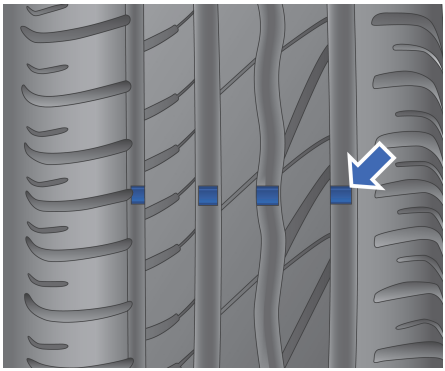
Tyre Inspection

Inspect tyres at least once every month, including spare tyre.

How to Check the Tyres

- Use a high-quality pocket-sized tyre pressure gauge to check the tyre pressure. Check the pressure only when the tyre is cold.
- Unscrew the valve cap from the tyre valve. Press the tyre pressure gauge firmly onto the valve and take the pressure reading.
- If the cold tyre pressure meets the recommended pressure value on the tyre pressure label, no adjustment is required. If the inflation pressure is too low, inflate to the recommended pressure value. If the tyre is overinflated, press the metal valve core of the tyre valve to deflate it.
- Check the tyre pressure again using a tyre pressure gauge. Always install the valve cap back on the valve core. The valve caps keep dirt and moisture out.

Tyre Wear



Tyres should be replaced as soon as tyre wear has reached its limit.

If uneven tyre wear is found, or some continuous vibration is felt while driving, contact a PROTON service outlet. When installing new tyres or repairing tyres, it is essential to perform a tyre balancing test.

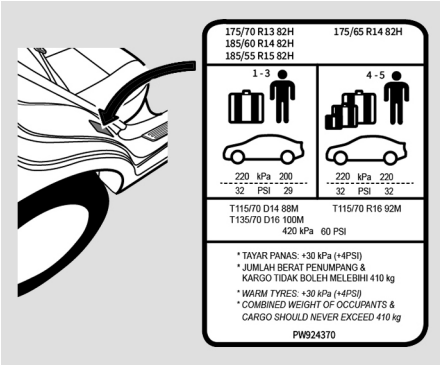
If the tyres with shallow tread patterns or exposed wear marks are used continuously, it will lead to extended braking distance, steering failure, tyre breakage, etc., which increases the likelihood of accidents. ◄

Dispose used tyres in accordance with relevant environmental protection laws. ◄

Do not replace the front tyre with the spare tyre. For driving safety, replace the faulty front tyre with a 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 instrument cluster will not be correct because the tyre pressure monitoring system has not self-learned. To reflect the actual tyre pressure value of the current tyre, please contact a PROTON service outlet to perform the tyre pressure monitoring system self-learning to ensure driving safety.◄

Tyre Pressure

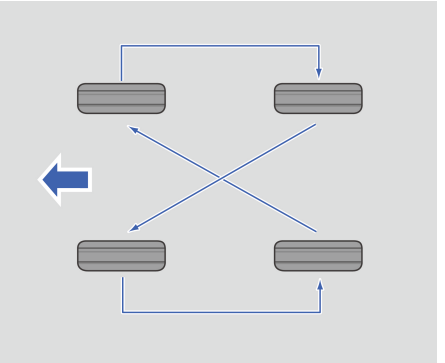


This vehicle has a tyre pressure label attached. The tyre pressure label is located on the right rear door arch and indicates the pressure of front tyre, rear tyre and spare tyres.

Tyres can work effectively only when they have correct inflation pressure. Under-inflation or over-inflation may adversely affect the service life of the tyres and the handling performance of the vehicle, causing the vehicle to lose control.◄

Tyre Rotation

The tyres should be rotated every 10,000 km.



Carry out correct rotation according to the sequence shown in the figure. Adjust inflation pressure of front/rear tyres as shown in tyre pressure label on the vehicle after each rotation.

- Do not use compact spare tyres when rotating.
- The wheels need to be installed correctly. After tyre rotation, adjust the tyre pressure.◄

Wheel Alignment and Wheel Balance

It is necessary to inspect wheel alignment if abnormal wear of tyres or deviation is found. It is necessary to re-balance wheels if the vehicle shakes when driving on a smooth road. Contact a PROTON service outlet as soon as possible.

Flat Tyre

When a tyre bursts during driving, the following conditions may occur. Please take actions accordingly:

1. If a front tyre bursts, the dragging of flat tyre will cause the vehicle to deflect towards the side of the burst tyre. Release the accelerator pedal and hold the steering wheel tightly. Make a turn to keep the vehicle on the original lane, then depress the brake pedal gently to park the vehicle on a safe road as possible as you can. Turn on the hazard warning light and place a warning triangle at an appropriate position, and replace the tyre;

2. If a rear tyre bursts, release the accelerator pedal. Turn the steering wheel to your intended driving direction to maintain the vehicle under control. The vehicle may shake and there will be noise, but the steering still can be controlled. Then, depress the brake pedal gently to park the vehicle on a safe road as possible as you can. Turn on the hazard warning light and place a warning triangle at an appropriate position, and replace the tyre;

If you find that the tyre is leaking slowly, please follow the steps below:

1. Drive the vehicle slowly to a safe and flat place to avoid further damage to the tyres and wheels;
2. Turn on the hazard warning light and place a warning triangle at an appropriate position;
3. Replace the tyres.

To prevent the vehicle from moving, it is necessary to take the following measures:

- Activate the parking brake.
- Shift to Park (P) gear.
- Turn off the engine and do not restart it during the vehicle lifting process.
- Do not allow any occupant to left in the vehicle.
- Before changing the wheel, it is necessary to place blocks in front of and behind the rest of the tyres.◄

Cleaning The Vehicle

Exterior Cleaning

Washing the vehicle frequently helps to protect the appearance of the vehicle. When washing the vehicle, turn off the start switch and put the vehicle in a cool place.

Do not wash it under direct sunlight. It is prohibited to clean the vehicle whose surface is hot or exposed to direct sunlight. It is necessary to wait for the exterior of the vehicle body to cool down before cleaning.

When using an automatic car washer, be sure to follow the instructions of the car washer operator.

- To prevent damage to the vehicle paint, the corrosive substances (bird droppings, resin, insects, asphalt spots, paving salt, industrial dust, etc.) should be cleared immediately. If necessary, use industrial alcohol to remove asphalt spots and obstinate oil stains, and then immediately wash with water and mild neutral soap solution to remove alcohol.
- It is prohibited to use chemical solvents containing ethanol or strong detergents to scrub the exterior light cover to avoid damage to the exterior light cover.
- The radiator grille on this vehicle adopts an advanced and environmentally friendly hot stamping process. The decorative film on the surface of the grille is susceptible to damage and discoloration from adhesive substances but it has no impact on normal vehicle use.
- If you have a need to apply a vehicle wrap, please use protective film to completely cover and protect the grille before applying the wrap. ◄

Cleaning Vehicle with High Pressure Washer

- Before washing the vehicle, check and ensure that the oil filler cap is properly closed.
- Be sure to clean the vehicle in strict accordance with the instructions for use of the high pressure washer, paying special attention to the working pressure and spraying distance. If a pressure washer is used, the nozzle must be at least 30 cm away from the body surface. Keep the nozzle moving and do not spray water constantly at one position. High pressure water flowing into the vehicle parts may cause damage. Do not spray the nozzle towards the fuel filler.
- Do not use cluster nozzles to clean the vehicle.
- Never flush with the nozzle directly or indirectly targeting inside the front compartment. The high pressure water flow can cause damage to the electrical components in the front compartment or cause some parts to not work normally.
- Do not aim the nozzle at the connector of the vehicle chassis to flush.
- Do not clean the front camera (if equipped) and sensor with a high pressure washer or a steam washer to avoid damage.
- Do not spray to wash the painted bumper and soft parts such as rubber hoses, plastic parts, and insulating materials at close range.

- Only use windshield washer fluid that is suitable for plastic light covers. Unsuitable windshield washer fluid may damage the plastic light covers of the front and rear headlights.

Cleaning Vehicle with Automatic Car Washer

- Before automatic car washing, please check with the car washer operator for any additional parts mounted on vehicle, and follow the professional advice provided by the operator.
- According to the requirements of automatic car washing equipment, close the windows, sunroof (if equipped) and fold the exterior rearview mirrors before washing the vehicle.
- The strength of the paint of vehicle body can withstand the washing of the automatic washer, but the impact on the paint must be noted. The influence mainly depends on the structure of the washer, the cleaning brush, the filtering state of cleaning water, and the type of cleaning agent and wax solvent. If the paint surface of the vehicle body is darkened or scratched after washing, the operator should be notified immediately to make corrections.
- When choosing an automatic car washer to clean the vehicle, give priority to a non-contact car washer. This type of the car washer does not have any part (brushes, etc.) that may touch the vehicle surface.

Interior Cleaning

Regular vehicle interior cleaning helps to improve the environment inside the vehicle. Dust and dirt may accumulate on interior trims, and cause damage to carpet, fabrics, leather and plastic surfaces. Stains should be cleaned quickly, especially on light-coloured interior trims, as they may become permanent rapidly under extreme heat.

Clear the dust on small buttons and knobs with a soft brush. Only use professional cleaning agents to clean the interior trim surface of vehicle, or it may cause permanent damage to the vehicle. To avoid spraying excessively, it is necessary to spray cleaner on the cleaning cloth directly. It is necessary to wipe the cleaner off immediately if it is sprayed on the surface of other objects in the vehicle by accident.

The temperature of baking gun used to paste the glass protective film is extremely high. Note that the baking gun should never bake the interior trims when the protective film is being pasted, or the interior trims will be damaged. Adequate waterproof protection should be taken before pasting to prevent water stains from flowing into the vehicle through gaps and causing electrical failure.

When cleaning the glass surfaces on the vehicle, do not use abrasive cleaning agent, or the glass will be scratched or the rear windshield defogger will be damaged. Only soft cloth and glass cleaner can be used.◀

Detergent contains solvents which may coagulate on vehicle interior trims. Read and comply with all safety instructions on labels before using detergent.

Open the doors and windows to keep good ventilation when cleaning vehicle interior trims.

Note the following when cleaning the interior trims:

- Do not get rid of dirt on trim surface with a knife blade or other sharp objects.
- Do not use a scrubbing brush. It may damage interior surface of the vehicle.
- Do not press hardly or use a cleaning cloth to wipe with great force. Wiping hard cannot improve cleaning effect but will damage the interior trims.
- Only use moderate neutral soap. Avoid using strong detergent or degreasing soap. Too much soap will leave stains and absorb dirt.
- Do not soak interior trims when cleaning.
- Do not use solvents containing organic solvents or strong penetrating agents, such as naphtha, alcohol, perfume, or cleaning agents, as they may damage the vehicle interior.

Fabric/Carpet

Clean dust and scum with vacuum cleaner fitted with soft brush head. For stubborn stains, try to remove them with fresh water or soda water first. Choose an appropriate method to remove stains before cleaning:

- For liquid stains: Wipe residual stains gently with tissue, so that the stains can fully saturate and get absorbed by the tissue.
- For solid dry stains: Remove as much as possible by hand and then remove with a vacuum cleaner.

Cleaning steps:

1. Soak the clean lint-free white cloth in water or soda water.
2. Wring the cloth to remove residual moisture.
3. When removing stains, scrub gently from edges to the middle until no more stain marks are left on the cloth.
4. If stains cannot be wiped off thoroughly, repeat the above cleaning operations with mild soap water.

If stubborn stains still cannot be removed thoroughly, use synthetic fabric cleaner or detergent. Test for colour fastness on an inconspicuous position in the vehicle before using these products. If the cleaner cleans well, it can be used to clean the entire surface. After cleaning, the tissue can be used to absorb residual water on fabrics or carpets.

Leather Cleaning

A soft cleaning cloth dipped in water can be used to remove dust. To clean more thoroughly, use a soft cleaning cloth dipped in neutral soap water. Let the leather dry in air, do not dry it by baking, and do not clean leather with steam.

Do not use detergents or polishes on leather, or the appearance and feel of the vehicle interior trims may be permanently changed. Do not use silicon-based, wax-based or organic solvent-containing products to clean the vehicle interior trims, which may cause uneven gloss of leather and affect the appearance of the interior trims. Do not use shoe polish on leather.

Instrument Panel and Other Plastic Surfaces

Do not use detergents or polishes on plastic surfaces, otherwise it may change the appearance and hand feel of interior trims permanently. Some commercially available products may enhance the glossiness of instrument panel and thus cause reflection on windshield, which may severely affect the visual field of windshield.



Do not use any cleaning agents containing alcohol or strong oxide chemicals to wipe the interior trims.◀

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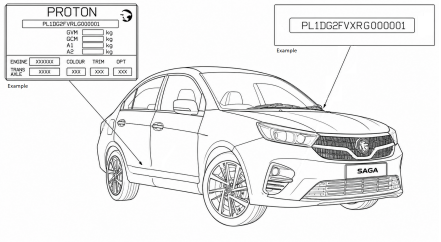
Vehicle Identification

VIN Label

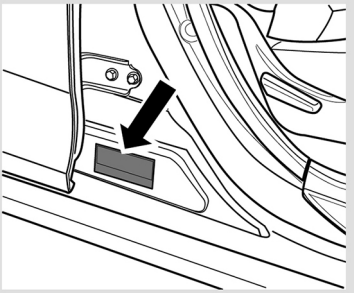
Vehicle Identification Number (VIN) label or VIN plate shows the codes of vehicle model, engine model, transmission model and colour.

Use this number for reference when you look for the replacement parts or do service maintenance.

Location of VIN



The VIN label is located on the outer lower side of the right center pillar, and this label contains VIN and other information.



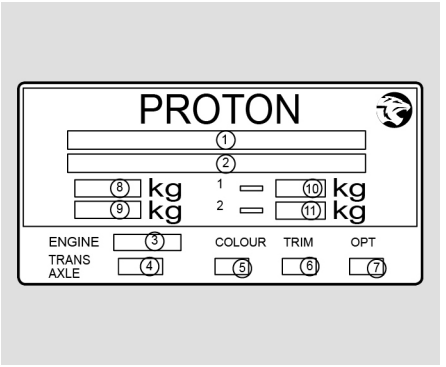
For certain countries, the other VIN label is located on the lower left of the front windshield as shown in illustration.



This label contains the same information as in chassis number.

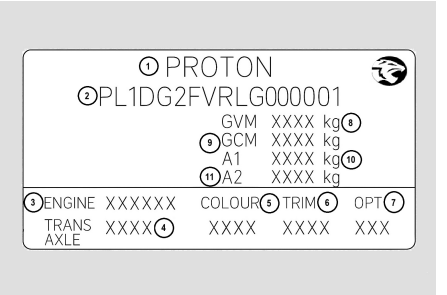
Description on the VIN Label

Type 1



1. Serial number of the Certificate of Vehicle Type Approval (VTA)
2. VIN code
3. Engine-model code
4. Transmission-model code
5. Body colour code
6. Trim code
7. Option-code
8. Gross vehicle weight
9. Gross combination weight
10. Front axle weight
11. Rear axle weight

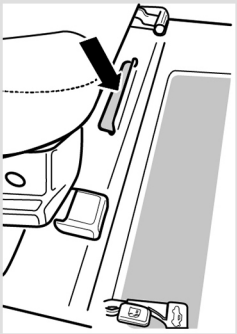
Type 2



This VIN label will be in black colour and the words are in white colour.

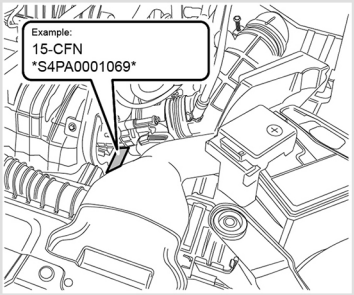
1. Serial number of the Certificate of Vehicle Type Approval (VTA / EEC)
2. VIN code
3. Engine-model code
4. Transmission-model code
5. Body colour code (Exterior colour)
6. Trim code (Interior colour code)
7. Option-code
8. Gross vehicle mass / weight (GVM)
9. Gross combination mass / weight (GCM)
10. Front axle weight (allowable weight)
11. Rear axle weight (allowable weight)

Chassis Number



The mark of chassis number is on the front floor cross member under the front right seat (under driver seat for RHD vehicle or under front passenger seat for LHD vehicle).
Open the floor carpet to find the chassis number.

Engine Number



The mark of engine number (or engine code) is on the engine cylinder block as shown in the illustration.

Description of Engine Code

Symbol (Example)	Description
Model number of engine (Example 15-CFN)	
15	Displacement code
C	Authentication differential code
F	Cylinder type
N	Injection type
Serial number of engine (Example S4PA0001069)	
S4	Production year & month code
PA	Manufacturing plant code
0001069	Running serial number

Transmission Number

The mark of transmission number (or transmission code) is on the transmission block. User may need support from the authorised Proton service outlet personnel if required to confirm the transmission code.

Technical Parameters

Dimension

Item	Unit	Parameter
Overall Length	mm	4381
Overall Width	mm	1700
Overall Height	mm	1517/1518
Wheelbase	mm	2469
Front Overhang	mm	919
Rear Overhang	mm	993
Front Track	mm	1458
Rear Track	mm	1446
Front Tread	mm	1457
Rear Tread	mm	1466

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	Standard	Executive	Premium
Kerb weight	kg	1055	1065	1085
Front kerb weight	kg	656	662	673
Rear kerb weight	kg	399	403	412
Gross vehicle weight (GVW)	kg	1468	1478	1498
Front axle full load	kg	780		
Rear axle full load	kg	720		
Payload	kg	410		

The weight above are based on information available at the time of publication.
All values declared have tolerance of ±1%. ◄

Performance

Item	Unit	Parameter
Drive type	-	Front engine, front wheel drive layout
Seating capacity	person	5
Maximum vehicle speed	km/h	≥175
Maximum gradeability	%	≥26

Emission

Item	Parameter
Emission level	Euro IV

Engine

Item	Unit	BHE15-CFN
Total displacement	L	1.499
Rated power	kW	88
Maximum net power	kW	85
Speed at rated power	r/min	5500
Maximum torque	N·m	150
Speed at maximum torque	r/min	2000~3500

Tyre Specification

Tyre Size

Tyre Size	Parameter
Type 1	175/65 R14
Type 2	185/55 R15

Spare Tyre Size	Parameter
Type 1	4T x 16 steel rim (T115/70 R16)
Type 2	Full tyre size*

Tyre Pressure (Cold Condition)

Item	Unit	Parameter
Pressure of front tyres	kPa	220
Pressure of rear tyres	kPa	200
Pressure of spare tyre	kPa	420

The tyre pressure information above is based on available information at the time of publication. Please refer to actual label at vehicle. ◄

Wheel Alignment Parameters

Item	Parameter
Maximum turning angle (Inner)	36 ± 2.5 deg
Camber angle of front wheel	-0.2 ± 0.65 deg
Camber angle of rear wheel	-1.5 ± 0.5 deg
Kingpin inclination angle	11.85 ± 0.5 deg
Kingpin caster angle	3.57 ± 0.5 deg
Front wheel toe-in	0.05 ± 0.05 deg
Rear wheel toe-in	0.17 ± 0.17 deg

Recommended Fuel, Oil and Fluid Specification

Recommended Fuel

Item	Specification	Capacity
All countries except Thailand	Unleaded Gasoline RON92 or above	40 L
Thailand	Unleaded Gasoline / Gasohol RON95 & above	

The recommended fuel above must follow local government's requirements and regulations. ◄

For certain countries, applicable models are fitted with a fuel consumption label on the vehicle. Please refer to the label for fuel consumption details. ◄

Recommended Oil and Fluid

Item	Specification	Capacity
Engine oil	Proton Genuine Oil (PGO) 5W-30 API SP ISAC GF-6A	4.3 L (dry) 4.0 L (wet)
4AT transmission fluid	ENEOS AW-1	2.5 L (dry) 1.5 L (wet)
CVT transmission fluid	SHELL SPIRAX S5 CVTX	4.1 L – 4.3 L
Engine coolant	Geely Super Long-lasting Coolant	5.77 L (CVT) 5.57 L (AT)
Brake fluid	DOT3	0.68 L
	DOT4	
A/C Refrigerant	R-134a	390 ± 20 g

This vehicle is filled with DOT 3 brake fluid during manufacture. DOT 4 brake fluid may be used; however, it must not be mixed with DOT 3 fluid. Before changing to DOT 4 fluid, ensure that the brake system is thoroughly flushed. Mixing different types of brake fluid may damage the brake system and adversely affect braking performance. ◄

Electrical System

Item		Specification
Battery	Type	46B24RS Maintenance Free
	Capacity	12V 45Ah
Spark plug type		VH7RTI-1BH

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SCAN QR CODE FOR MORE INFORMATION

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