

# Foreword

Thank you for choosing BYD. To better use and maintain the vehicle, please read this manual carefully and keep it for future reference.

Special instructions: BYD Auto Industry Co., Ltd. recommends that you choose genuine spare parts and use, maintain, and repair the vehicle in accordance with this manual. The use of non-genuine spare parts to replace or modify the vehicle will affect the performance of the entire vehicle, especially its safety and durability. Vehicle damage and performance issues caused thereby will not be covered by the warranty. In addition, vehicle modifications may also violate national laws and regulations and local government regulations.

Thank you again for choosing BYD. Your valuable comments and suggestions are welcome. To enjoy better services, please provide your accurate contact information. If there is any change to the information, contact a BYD authorized dealer or service provider in a timely manner to update the information in the system.

The descriptions marked with the asterisk (\*) in this manual are specific to some model configurations, and applicable only when the vehicle has these configurations. If there is any difference with the vehicle you purchased, the configuration of the actual vehicle shall prevail.

Pay attention to the "REMINDER", "CAUTION" and "WARNING" symbols in this manual, and follow the instructions carefully to avoid injury or damage. These symbols are defined as follows:

## **REMINDER**

Items that must be observed to facilitate maintenance.

## **CAUTION**

Items that must be observed to avoid damage to the vehicle.

## **WARNING**

Items that must be observed to ensure personal safety.



is a safety mark to indicate an operation that should not be performed or an event that should not happen.

This manual is expected to help you use the product correctly, and does not provide any description of the configuration and software version of this product. For details about the product configuration and software version, please refer to the contract (if any) related to this product, or consult the dealer who sold the product to you.

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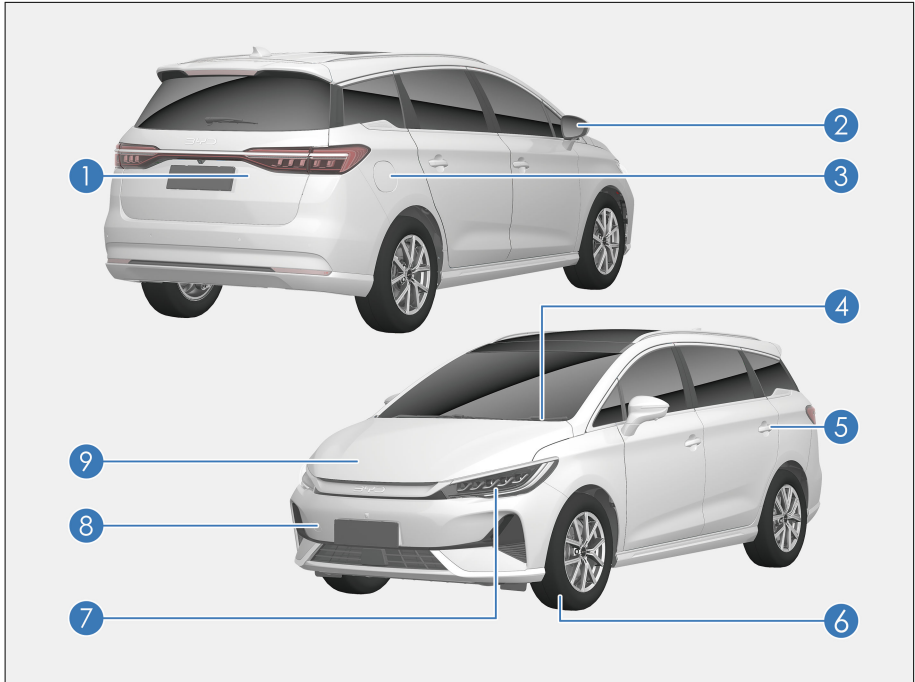
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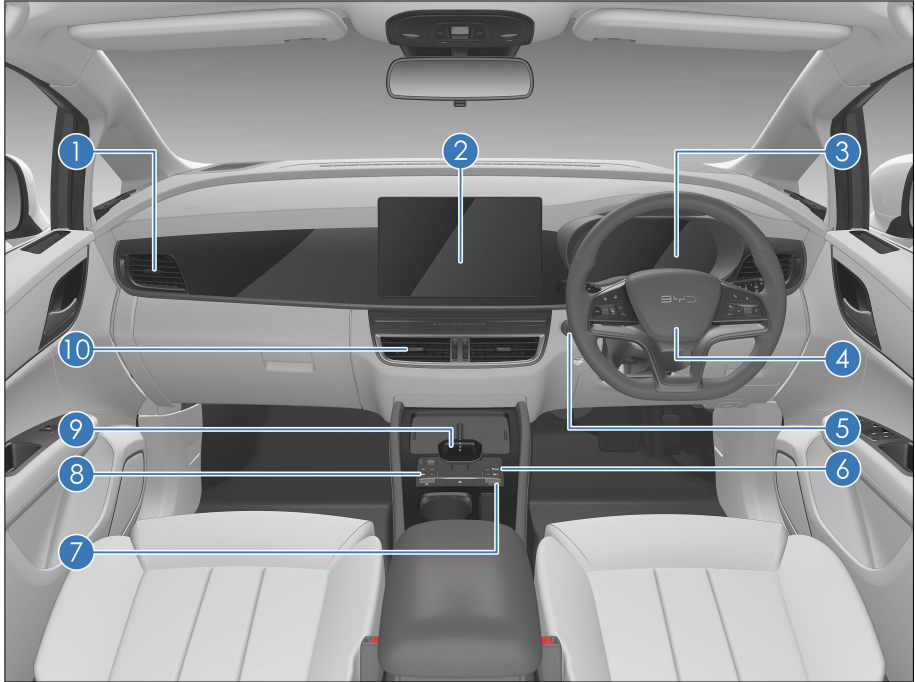
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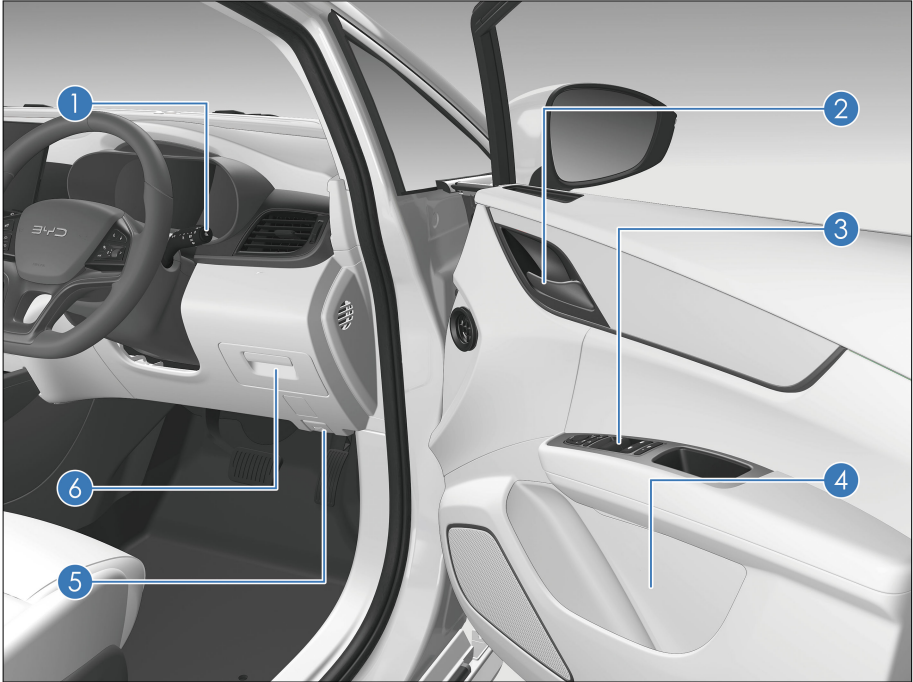
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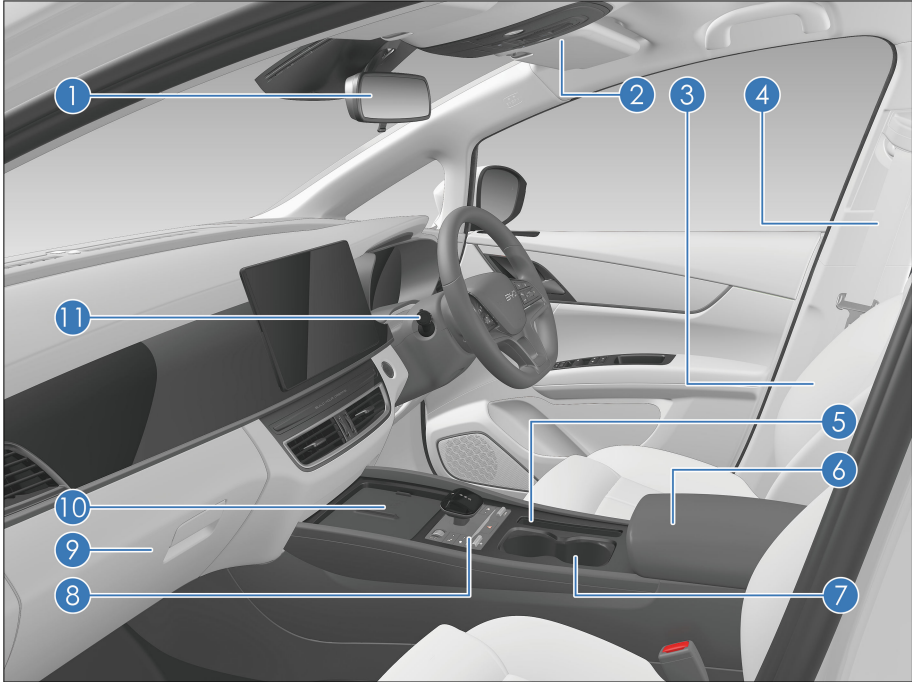
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# 01

## **SAFETY**

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# Seat Belts

## Seat Belt Overview

Studies have shown that proper use of seat belts can significantly reduce casualties in emergency braking, sudden steering or collisions. Please read the following information carefully and observe it strictly.

### WARNING

- BYD has highly emphasized that all occupants should always fasten their seat belts while in the vehicle. Failure to do so increases the risk of injury in case of an accident.
- Before driving, make sure all occupants are properly buckled up to prevent serious injury or death in emergency braking or in a collision.
- It is recommended that children be seated in rear seats and always use seat belts and suitable child restraints.
- Do not allow children to travel standing or kneeling on either the front or rear seats. In case of emergency braking or a collision, unprotected children may be seriously injured and their lives may be endangered. Likewise, do not allow children to ride on someone's lap. This will render the children inadequately protected.
- When driving, make sure all occupants have their seat belts properly fastened to prevent serious injury or death in

### WARNING

emergency braking or in a collision.

### CAUTION

- The seat belts are designed primarily for adults and are not intended for children. Make sure to choose an appropriate child restraint system according to the child's age and size.
- If a seat belt is damaged or malfunctions, immediately contact a BYD authorized dealer or service provider for confirmation and handling. Until then, do not use the corresponding seat.

### Emergency Locking Retractor (ELR) Function

- When the driver turns sharply or brakes suddenly, when there is a collision, or when the occupant leans forward too quickly, the seat belt automatically locks to effectively restrain and protect the occupant.
- When the vehicle travels smoothly, seat belts are pulled out and retracted as the occupants move slowly and smoothly, allowing the occupants to move freely.
- If the seat belt locks due to sudden retraction, pull on the seat belt webbing to create retractable slack in order to pull out the seat belt.

### Pretensioner and Force Limiter Function\*

When a severe front collision occurs and the triggering conditions of the pretensioner are met, the pretensioner

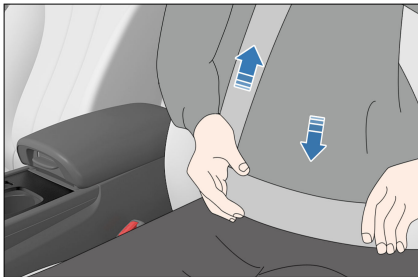
quickly retracts part of the seat belt and locks it to improve the protection of the occupant. The force limiter limits the seat-belt restraint force to the occupant's body to a certain extent so as to avoid injury to the occupant due to an excessive restraint force.

### ! REMINDER

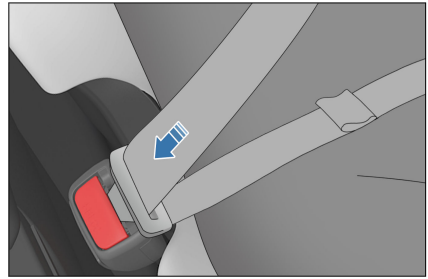
- In the event of abnormality or function failure, contact a BYD authorized dealer or service provider. Do not use the corresponding seat until the functions return to normal.

## Using Seat Belts

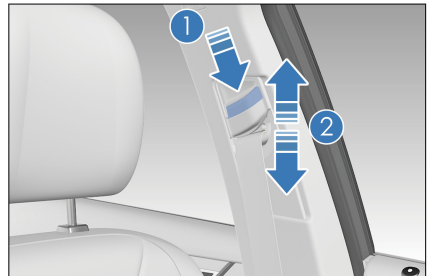
1. Adjust the seat position and seatback angle (see **P50**).
2. Pull out the shoulder belt diagonally across the entire shoulder without contacting the neck or falling from the shoulder. Position the lap belt as low as possible around the hip.



3. Insert the latch into the buckle until it clicks, and then pull it back to make sure it is firmly locked. Do not fasten the belt with any part of the strap twisted.



4. Adjust the height of the (front) seat belts for optimum comfort and protection. When the seat belt is fastened across the middle of the shoulder, it provides the best level of protection. Do not allow it to touch the neck or slip off the shoulder.



5. Pull the belt firmly to check that the adjuster is locked.

### ! WARNING

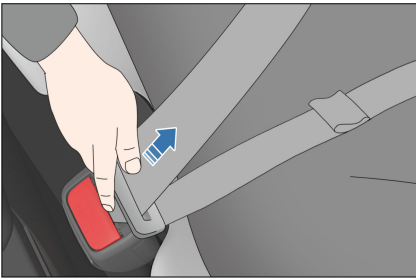
- The shoulder belt should cross the center of the shoulder. The seat belt should be far from the neck and not liable to slip from the shoulder; otherwise, it cannot function well in the event of emergency braking or accident and may even cause severe injury.
- The lap belt should be positioned as low as possible across the hip to prevent any injury caused by pressing against the abdomen in case of an accident.

**! WARNING**

- The seat belt should be fitted tight to the body for better protection.
- For normal functioning of the rear seat belt, ensure that its latch is inserted into the corresponding buckle during use. The driver should remind occupants to wear seat belts properly.

6. Unlock the seat belt.

- Press the red unlock button on the buckle. The latch plate pops out, and the seat belt automatically retracts. If the seat belt does not retract automatically, pull it out and check whether it is twisted.



**! CAUTION**

- One seat belt is for one occupant only. Do not allow multiple occupants (including children) to share one seat belt.
- Avoid traveling with the seatback leaning too far back. The seat belt protection performs best when the seatback is upright.
- Make sure that no seat belt or its spring bolt/buckle becomes pressed by the door; otherwise, the seat belt may be damaged.
- Check the seat belts regularly for cuts, wear, looseness, and

**! CAUTION**

other abnormalities. If any problem is found, contact a BYD authorized dealer or service provider for confirmation and handling. Until then, do not use the corresponding seat.

- Do not remove, disassemble or modify the seat belts without permission.
- Use an approved model whenever you replace the seat belt.
- After an accident, have the seat belts checked at a BYD authorized dealer or service provider. If the pretensioner function is activated, the seat belt must be replaced.
- In the event of a serious accident, even if there is no apparent damage, the seat belt should be replaced along with the seat assembly. The airbag system should also be thoroughly inspected.
- Pregnant women should also fasten their seat belt properly. Particularly, be sure to position the lap belt as low across the hip as possible to prevent serious injury.
- Do not insert foreign objects such as coins and clips into the buckle as they prevent proper connection between the latch and buckle.

**Seat Belt Reminders**

If the driver or front passenger has not buckled up after the vehicle is started, visual and audible alarms go on and continue until the corresponding seat belt is properly fastened.

- Seat belt reminder indicator

Any unfastened seat belt will trigger this indicator to light up and flash as required.

- Display of unfastened belt's seat

The indicator for the seat with unfastened seat belt lights up.

- Unfastened seat belt reminder

If any vehicle occupant has not buckled up after the ignition is switched on, the seat belt reminder indicator and the indicator associated with the corresponding seat light up. If the seat belt remains unfastened while driving, in addition to the reminder indicator, an audible alarm is given to alert the driver and the occupant.

- When the driver and all the passengers fasten their seat belts, the seat belt reminder indicator turns off and all indicators displayed for the corresponding seats turn off.



#### CAUTION

- In the event of abnormality or function failure, contact a BYD authorized dealer or service provider. Do not use the corresponding seat until the functions return to normal.

## Airbags

### Airbag Overview

- Supplemental restraint system (SRS) is a part of auxiliary restraint system and also a supplement to seats and seat belts. When the vehicle is involved in a serious collision and the airbag system meets its deployment conditions, relevant airbags will rapidly deploy and, along with seat belts, provide additional protection for heads and

chests of the driver and occupants, to reduce likelihood of personal injury or even death.

- Airbags are divided into front and side types\*, according to the type of collision. The front airbags include a driver airbag and a front passenger airbag, while the side airbags include front seat side airbags\* and side curtain airbags\*.
- As an integral part of the vehicle's passive safety protection system, the airbag system does not replace seat belts, and must be used in combination with seat belts to maximize protection. To ensure the safety of you and your family, please pay special attention to the warnings and precautions in this section.



#### WARNING

- Never seat a child in the front passenger seat.
- Always have the seat belts fastened while the vehicle is in motion.
- Occupants must sit in a proper position to maximize the protection provided by seat belts and the airbag system.
- Do not disassemble or assemble airbag components without authorization.
- Use seat covers designed by BYD. Non-BYD genuine covers may worsen the airbag performance or result in injury.
- Do not place anything between the side airbag and the occupant.
- Do not apply excessive force to the side of seats equipped with side airbags.



Airbag fault warning light

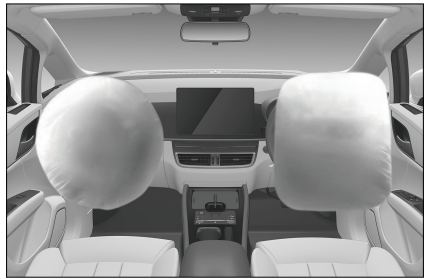
- With the ignition switched on, this warning light turns on and then goes off in a few seconds if the airbag system is working properly. This warning light is used to monitor the airbag ECU, collision sensors, inflation device, warning lights, connections, and power supply.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In that case, contact a BYD authorized dealer or service provider for vehicle inspection as soon as possible.
  - When the ignition is switched on, this warning light remains off or is solid on after the ignition is switched on.
  - This warning light turns on or flashes during driving.

**⚠ WARNING**

- If the vehicle is ingressed with water (wet carpet or vehicle submerged in water) or damaged by water, do not start the vehicle and the low-voltage battery needs to be disconnected. Otherwise, the airbags may deploy, resulting in serious injury or death.

## Driver and Front Passenger Airbags

If your vehicle is equipped with driver and front passenger airbags, when the electronic control unit (ECU) of the airbag system detects a moderate to severe front impact during driving and the triggering conditions are met, the airbags deploy to help protect you and the front passenger's head and chest from injury.



### Front airbag deployment

- In moderate to severe frontal crashes, a sensor detects a sharp deceleration and sends a signal to the ECU to trigger the front airbags.
- When there is a frontal crash, the seat belt secures the occupant's lower body and torso in place. The airbag cushions and protects the occupant's head and chest.
- When the severity of the impact does not reach the airbag deployment threshold, seat belts provide enough protection.
- The front airbag deflates immediately after inflation, without affecting the driver's vision and ability to operate the steering wheel or other controls.
- Airbags can inflate rapidly when triggering conditions are satisfied to further protect drivers and occupants in an accident.
- A loud noise will be heard when the airbag deploys. It will not cause injury, but it may cause tinnitus or temporary deafness.
- A cloud of dust from the airbag surface may come off when the airbag deploys. Although such powder is non-toxic, individuals with respiratory problem might experience some temporary discomfort.

## WARNING

- No accessories, such as telephone holders, cups, ashtrays, may be installed on airbag covers or within their action range. Otherwise, airbag deployment will increase the risk of injury in an accident.

## Front Passenger Side Airbags

The vehicle is equipped with side airbags for the left and right front seats. If the triggering conditions are met, the airbags will deploy in an accident to help protect the body of the driver and passengers (side airbags are installed in the outer edges of the front-row seatbacks and marked with "AIRBAG").



## Side Curtain Airbags

- The vehicle is equipped with left and right-side curtain airbags (with the A-pillar, B-pillar, and C-pillar shields marked with "AIRBAG", as shown in the illustration).
- When a moderate to severe side impact is detected by the ECU during vehicle travel, and the triggering conditions are met, the side airbag deploys to protect the head of the occupant on the side of collision.



- Generally, only the airbag on the impacted side deploys in the event of a side impact.
- For optimum curtain airbag protection, the occupant must have their seat belt fastened and sit in an upright position.

## Airbag Triggering Conditions and Precautions

- Airbag triggering conditions: In the event of a vehicle collision, whether an airbag will be triggered is decided by factors such as the amount of collision energy, accident type, collision angle, obstacles and vehicle speed. The airbag system may be triggered in special collisions.
- Generally, the airbag system will not be triggered in the event of a minor frontal collision, rear collision or rollover. In this case, the driver and passengers are protected by their properly fastened seat belts.
- The ECU of the BYD airbag system has been set up with considerations of common misuse and road conditions. However, due to the increasing changes in causes and forms of vehicle collisions, for your safety, please strictly follow this user manual, use the vehicle correctly, and avoid its misuse. Otherwise, there is no guarantee that

the airbags will achieve their expected effect.

### Cases When Airbags May Be Deployed

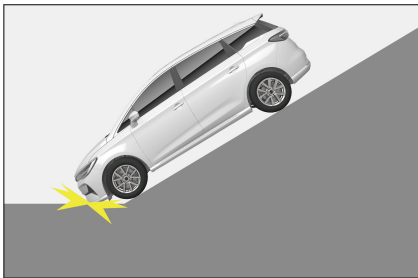
The vehicle's nose hits the ground when crossing a deep groove.



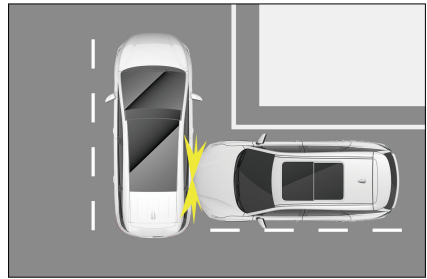
The vehicle hits a bump or curbstone.



The vehicle's nose hits the ground when going down a steep slope.

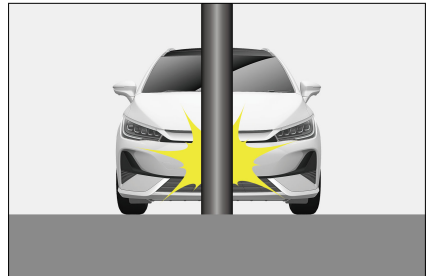


One side of the vehicle is hit by another vehicle.

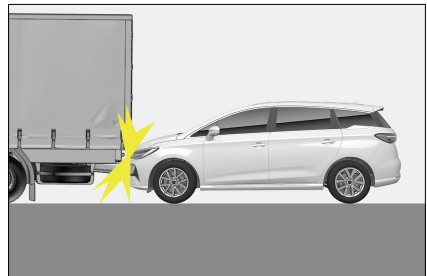


### Cases When Airbags May Not Be Deployed

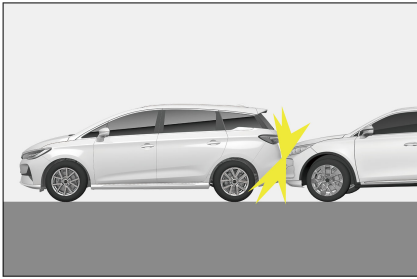
The vehicle hits a concrete column, tree, or other slim objects.



The vehicle goes under a truck or another large vehicle.



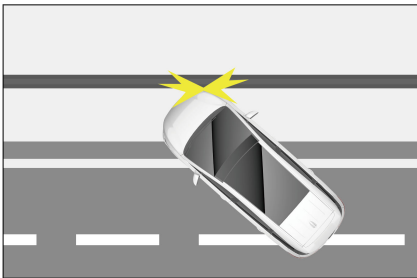
The tail of the vehicle is hit by another vehicle.



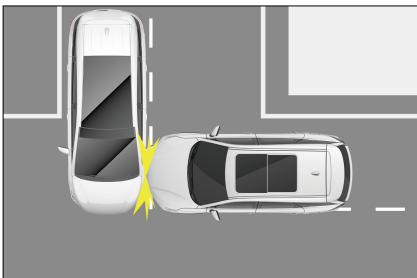
The vehicle rolls over.



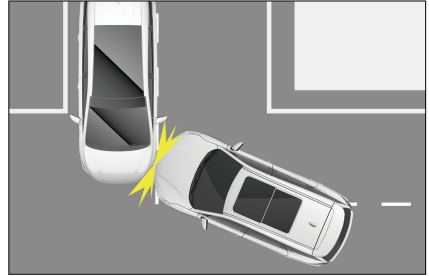
The vehicle hits a wall or a vehicle at a side other than the front side.



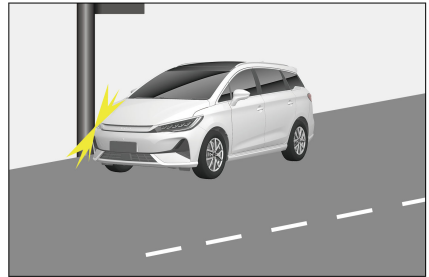
Parts other than the passenger compartment receive side impact.




The lateral side of the vehicle is hit diagonally.

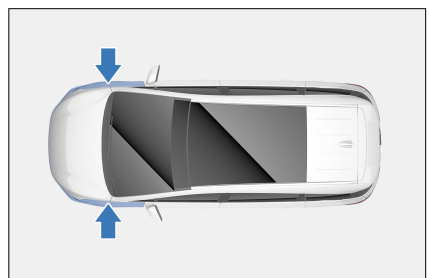


The lateral side of the vehicle hits a columnar object.

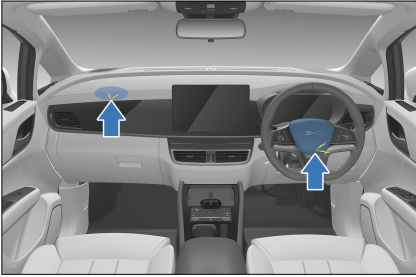


**It is recommended that you contact a BYD authorized dealer or service provider immediately if any of the following situations occurs.**

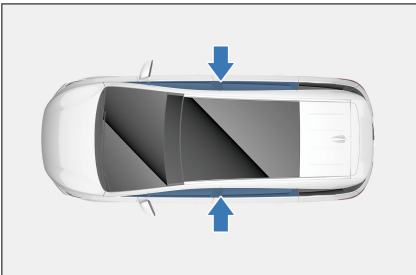
- The airbag has deployed.
- Instrument cluster airbags warning light  lights up abnormally.
- There is a collision with the front of the vehicle (highlighted area shown), but the airbags do not deploy.



- The airbag cover has been scratched, cracked or otherwise damaged.
- Airbags need to be removed, disassembled, installed or repaired.



- Side airbags and curtain airbags (if equipped) have deployed.
  - There is a collision with the vehicle door (highlighted area shown), but the airbags do not deploy.
  - The surface of the seat with a side airbag (highlighted area shown) is scratched, cracked or damaged similarly.



- Decorative (liner) parts at A-pillar with built-in curtain airbags, roof beam and C-pillar are scratched, cracked or damaged similarly.

**! WARNING**

- Airbags are designed for specific models. Any changes to suspension, tire size, bumpers, chassis and factory-equipped

**! WARNING**

devices may adversely affect the airbag system. Users must not use any parts of the airbag system on other car models; doing so may lead to failure of the airbag system.

- Fasten your seat belt and sit properly while the vehicle is in motion. If the seat belt is not fastened, if the occupant is leaning forward or sitting improperly, airbag deployment can increase the severity of injury.
- Do not paste stickers, cover or decorate the hub cover of the steering wheel, the right side surface of the dashboard or the surface of A, B, and C-pillar trims. Clean these surfaces with a dry or damp cloth, without applying too much pressure.
- A child is not to be seated in the front passenger seat, nor are they to ride sitting on a front passenger's lap, to prevent serious injury or even casualty caused by airbag deployment.
- Do not modify or replace seats or trims of the seats with side airbags. These changes may prevent normal deployment of side airbags, and thereby cause airbag system failure or unintended deployment of side airbags, resulting in serious injury or death.
- After a collision, even if the airbag did not deploy, and the pretensioner did not lock the seat belt, to ensure the normal operation of the airbag system, contact a BYD authorized dealer or service provider for inspection as soon as possible.

**WARNING**

- Drivers should maintain a distance of at least 25 cm between their chest and the steering wheel, in order for the system to provide the most effective driver protection.
- Airbags can only provide one-time accident protection. Once the airbag is triggered or damaged, the airbag system must be replaced.
- The airbag system of this vehicle is designed with full consideration of domestic common misuses and road conditions. However, in order to avoid accidents, do not have the bottom of the vehicle impacted or drive roughly in harsh road conditions.
- When transferring car ownership, make sure to pass on all of the vehicle's documents and keep the new ownership informed of airbag conditions and replacement dates.

**CAUTION**

- Do not change any component of the airbag system, including any corresponding label. It is recommended that any operation done to the airbags be performed by a BYD authorized dealer or service provider.
- The airbag system has strong anti-interference and anti-disturbance resistance to surrounding electromagnetic interference and disturbance. However, to avoid accidents, do not use the vehicle in an electromagnetic environment that violates national regulations.

**CAUTION**

- This vehicle's airbag system has been fully verified to seamlessly match the vehicle's original wiring harness system. Any wiring harness modification or alteration may cause the airbags to deploy mistakenly under normal conditions or fail to deploy in the event of a collision.

**REMINDER**

- Follow safety regulations and procedures related to the scrapping of parts of the vehicle or its airbag system.

## Child Restraint Systems

### Child Restraint System Classification

- Choose a suitable child restraint system for your children according to their ages and statures. A child who cannot use a protection device for size reason must sit in the rear seat and have the seat belt fastened properly.
- Please correctly fix the child restraint system not used to a seat. Do not place it on a passenger seat or in the trunk arbitrarily.

**WARNING**

- Be sure to use a seat belt or child restraint system for a child based on his/her age and size, so as to effectively protect the child in an accident or emergency stop.

## **WARNING**

- Holding a child in arms is not a substitute for a child restraint system. In an accident, the child may be crushed against the windshield or between you and the cabin, resulting in serious or even fatal injury to the child.
- If side airbags are equipped, even though a child is in the child restraint system, do not allow his/her head or any other body part against any door, seat, front/rear pillar or roof side beam (which will be affected when side airbags deploy). Otherwise, the considerable impact force generated when the curtain airbags deploy will cause serious or even fatal injury to the child.

## **REMINDER**

- BYD strongly suggests you to install child restraint systems. Researches indicate that it is safer to install child restraints on the rear seats than the front seats.
- The seat belts are designed primarily for adults and are not intended for children. Make sure to choose an appropriate child restraint system according to your child's age and size.
- Please follow the installation instructions provided by the child restraint manufacturer to make sure the child restraint is properly installed in the vehicle. Otherwise, emergency parking or an accident may result in serious or even fatal injury to the child.

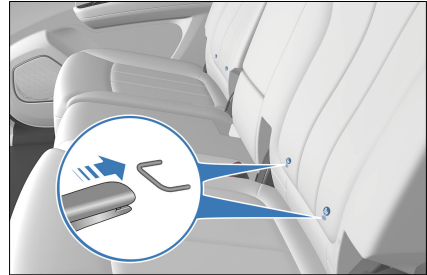
## Installing Child Restraint Systems

- Please follow the installation instructions provided by the child restraint manufacturer to make sure the child restraint is properly secured to the seats in the second row.
- The second-row seats are equipped with ISOFIX anchors for child restraints. Make sure to fasten the top tether when installing a child restraint.

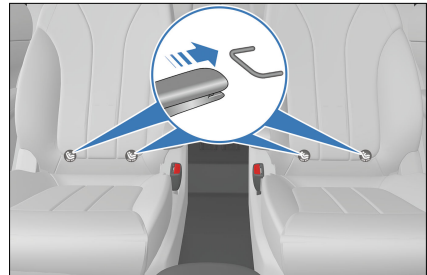
### Installing Child Restraint Systems with ISOFIX Rigid Anchor

1. Check the ISOFIX anchorage provided on a second row seat and secure the child restraint to the seat according to the labeled anchoring position.

#### Seven seaters\*



#### Six seaters\*



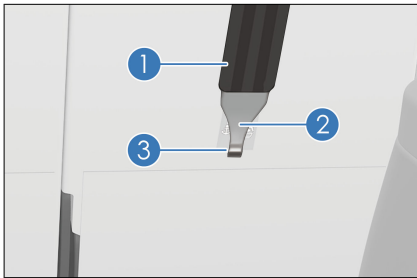
**! REMINDER**

- The anchorages are located in the gap between the seat cushion and the seatback.

2. Fasten the snap hook of the top tether strap to the anchor support, and tighten the top tether to ensure the strap is secure.

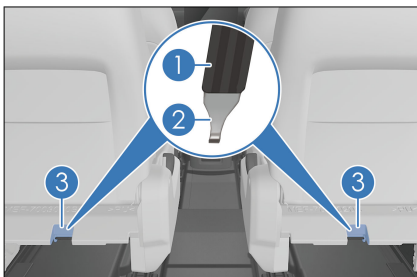
- Second-row seat (seven seaters) installation position:

- ① Top tether
- ② Snap hook
- ③ Anchor support



- Second-row seat (six seaters\*) installation position:

- ① Top tether
- ② Snap hook
- ③ Anchor support

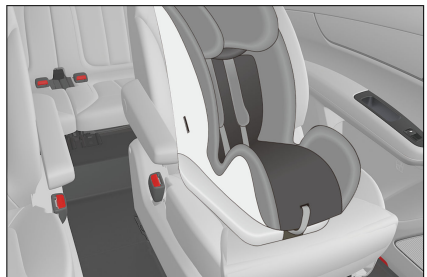


3. Reinstall the head support.

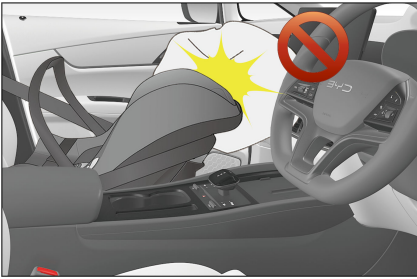
**! REMINDER**

- If the child restraint system is equipped with a top tether, secure the tether to the anchoring device.

- If the driver's seat obstructs the correct installation of the child restraint, install it on the left-hand seat of the second row.

**Seven seaters\*****Six seaters\***

- Never install a rear-facing child restraint on the seat protected by a front airbag (in the active state), otherwise in the event of an accident, the force of rapid deployment of the front passenger airbag will result in death or serious injury to the child.



**⚠ WARNING**

- Push/Pull the child restraint in different directions to ensure it is securely installed.
- When using the lower anchoring device, make sure that no foreign objects are around the anchoring device and that the seat belt is not stuck behind the child restraint; make sure that the child restraint is securely fixed, otherwise emergency parking or an accident may result in serious even fatal injury to a child.
- Do not install a child restraint on the front passenger seat.

**Recommended seating positions for installing child restraint systems**

Weight Group	Seat (or Other Positions)		
	Front passenger seat	Second row outboard seat	Second row middle seat*
Group 0 (up to 10 kg)	X	U	X
Group 0+ (up to 13 kg)	X	U	X
Group 1 (9-18 kg)	X	U/UF	X
Group 2 (15-25kg)	X	UF	X
Group 3 (22-36 kg)	X	UF	X

Note: Table definitions:

U: seat suitable for installing a universal child restraint certified for this weight group

UF: seat suitable for installing a front-facing universal child restraint certified for this weight group

X: seat position not suitable for installing a child restraint for this weight group.

**Suitability of ISOFIX seating positions for ISOFIX child restraint systems:**

Weight Group	Size	Fixed Module	Seat (or Other Positions)		
			Front passenger seat	Second row outboard seat	Second row middle seat*
Carrycot	F	ISO/L1	X	X	X
	G	ISO/L2	X	X	X
Group 0 (up to 10 kg)	E	ISO/R1	X	X	X
Group 0+ (up to 13 kg)	E	ISO/R1	X	X	X
	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
Group 1 (9-18 kg)	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
	B	ISO/F2	X	IUF	X
	B1	ISO/F2X	X	IUF	X
	A	ISO/F3	X	IUF	X

Note 1: For child restraint systems not identified with ISO/XX size classes (A-G), the vehicle manufacturer shall specify the in-vehicle ISOFIX child restraint systems recommended for each seating position with respect to their applicable weight groups.

Note 2: Table definitions:

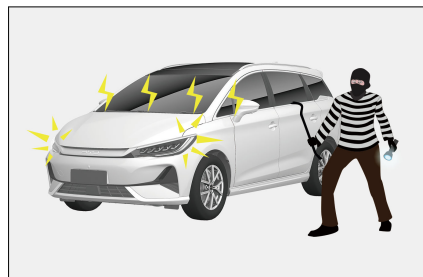
IUF: seat position suitable for installing a front-facing universal ISOFIX child restraint certified for this weight group

X=ISOFIX seating position not suitable for installing an ISOFIX child restraint system for this weight group and/or this size class.

## Anti-theft System

### Anti-theft System

When armed, the system sounds an alarm and triggers turn signal to flash when any door is opened to prevent the vehicle from being stolen.



## Arming the system

1. Switch the ignition off.
2. All occupants get off the vehicle.
3. Lock all doors. This makes the anti-theft indicator steady on. The anti-theft alarm system will arm automatically after eight seconds, and the anti-theft indicator will then begin to flash.
4. You can leave the vehicle after confirming that the indicator begins to flash. Since unlocking the door from inside the vehicle will activate the system, never let anyone stay in the vehicle with the system enabled.

## Activating the system

- The system will raise an alarm in any of the following situations:
  - Any door or hood is unlocked or open if without using the smart key access function.
  - The vehicle is powered on without using the smart key start function.

## Cancelling the system

- Anti-theft alarm can be stopped by:
  - Unlocking the doors or the trunk with a smart key.
  - Use of the microswitch to unlock the vehicle.
  - Starting the vehicle remotely with a smart key.
  - Pressing the START/STOP button inside the vehicle while carrying a smart key.

### WARNING

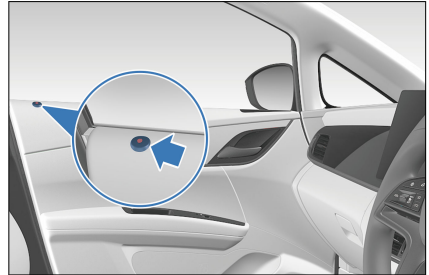
- Do not modify the anti-theft alarm system by means of alteration or

### WARNING

addition, otherwise the system may fail.

## Anti-theft Indicator

- When the alarm is armed, the anti-theft indicator is solid on for eight seconds.
- When the alarm is armed, the anti-theft indicator flashes slowly.
- When the vehicle is powered on, the anti-theft indicator turns off.



## Event Data Recorder System

- This vehicle is equipped with an event data recorder (EDR) system. EDR mainly records data in the event of a crash or near-crash (for example, airbag deployment or hitting on a roadside obstacle) to help comprehend the vehicle system operation, such as:
  - Vehicle velocity
  - Tire pressure condition
  - Adaptive cruise control (ACC) system\* status
  - Whether the seat belt is fastened

- The vehicle records EDR data only when there is a crash or when a near-crash event reaches a certain extent. The EDR does not record any data during the normal driving of the vehicle.
- The data recorded by the EDR system provides an understanding of the state of the vehicle's safety-related systems when an accident occurs, so that relevant parties can analyze the accident.
- The EDR data needs to be accessed and read by special equipment. BYD discloses your personal data to third parties only if this is legally permissible or you have consented to it. In addition to the vehicle manufacturer, third-party agencies with professional equipment (such as government agencies) can also read the EDR data if they have access to the vehicle EDR and equipment (for example, they can read the data of SRS control unit to clarify the accident).

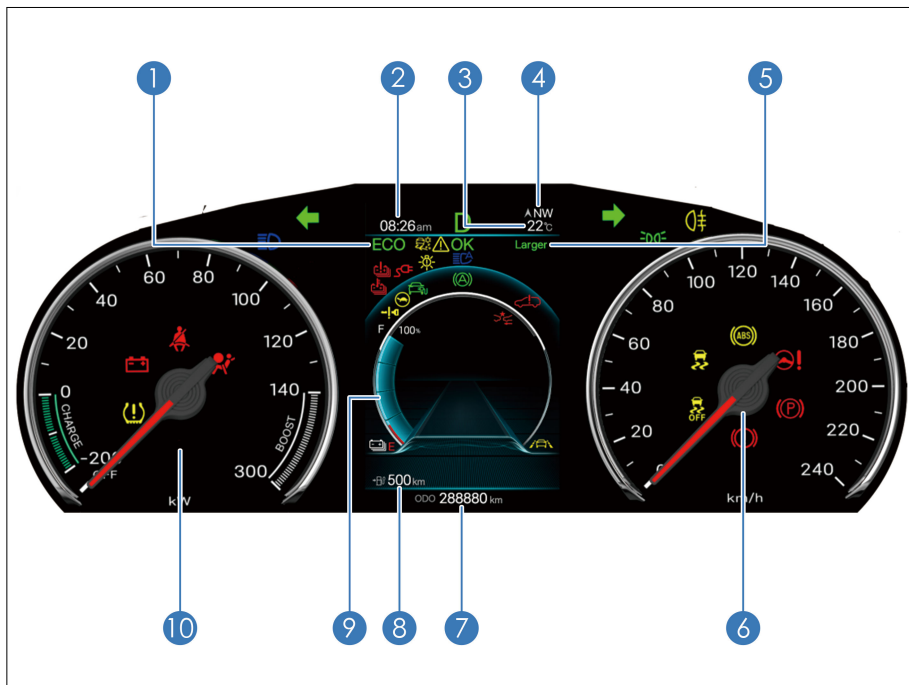
# 02

## INSTRUMENT CLUSTER

Instrument Cluster.....30

# Instrument Cluster

## Instrument Cluster View



- |   |                                |    |                       |
|---|--------------------------------|----|-----------------------|
| 1 | Working mode                   | 6  | Speedometer           |
| 2 | Time                           | 7  | Odometer              |
| 3 | Outside temperature            | 8  | Driving range         |
| 4 | Direction                      | 9  | State of charge (SOC) |
| 5 | Regenerative braking intensity | 10 | Power meter           |

### **WARNING**

























- When you turn on the A/C or switch to different sport modes, the driving range displayed will











### **WARNING**

be different, which is a normal phenomenon.

# Instrument Cluster Indicators

## Indicators and Warning Lights

	Turn signal indicator		Position light indicator
	Front fog light indicator*		OK indicator
	ECO indicator		High beam indicator
	ACC indicator*		BSD indicator*
	LDA indicator*		ICC indicator*
	BSD fault indicator*		LDA fault warning light*
	Main alarm indicator		Tire pressure fault warning light
	Headlight fault warning light		ABS fault warning light
	Rear fog light indicator		ESC OFF warning light
	Smart key warning light		Snow mode indicator
	ESC fault warning light		Driving power limit warning light
	High-voltage battery low SOC warning light		Airbag fault warning light

	Parking system fault warning light		Steering system fault warning light
	Seat belt reminder indicator		Low-voltage power system fault warning light
	EPB indicator		High-voltage battery overheating warning light
	Powertrain fault warning light		High-voltage battery charging connection indicator
	Motor coolant overheating indicator		High-voltage battery fault warning light

### Warning Lights/Indicators Description

#### Smart key warning light

- If the key is not in the vehicle when the START/STOP button is pressed, the warning light will light up for a few seconds, a beep will be heard, and a "Key not detected" message will be displayed.
- If you carry the electronic smart key and press the START/STOP button, this warning light will not light up and the vehicle can be powered on.
- This warning light will disappear and the vehicle can be powered on if the key is taken into the vehicle within a few seconds after the light turns on.
- If the warning light flashes when the START/STOP button is pressed, it indicates low battery of the key.

#### ABS fault warning light

- This warning light comes on when the ignition is on. If the anti-lock braking

system (ABS) is working properly, the light goes out in a few seconds. Thereafter, if the system fails, the light lights up again until the fault is cleared.

- When the ABS fault warning light is on (with the parking system fault warning light off), the braking system continues to operate whereas the ABS does not.
- When the ABS fault warning light is on (with the parking system fault warning light off), since the anti-lock braking system does not operate, the wheels will be locked in case of emergency braking or braking on a slippery road.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In that case, contact a BYD authorized dealer or service provider for vehicle inspection as soon as possible.
  - This warning light does not come on or is steady on when the ignition is on.
  - This warning light turns on during driving.

### ! REMINDER

- A warning light that lights up briefly during operation does not indicate a problem.
- If the ABS fault warning light is still on while the braking system warning light is on, immediately park the vehicle in a safe place. It is recommended to contact a BYD authorized dealer or service provider. In this case, if brakes are applied, the ABS will not work and the vehicle will become extremely unstable.
- If both the ABS fault warning light and EPB indicator go on after the EPB is released, the braking force distribution system of front and rear wheels has also failed.
- Lightly depress the brake pedal to see whether it is normal. If it is normal, check the brake fluid level. If the liquid level is low, it is recommended to contact a BYD authorized dealer or service provider to check whether there is leakage in the brake system and the wear degree of the brake pads.
- If the brake pedal feels abnormal, take measures immediately. It is recommended to bring the vehicle to a BYD authorized dealer or service provider for repair.



### Tire pressure fault warning light

If any of the following cases occurs, it is recommended to contact a BYD authorized dealer or service provider for inspection as soon as possible.

- With the ignition switched on, this warning light turns on and then goes off in a few seconds if the tire pressure monitoring system is working properly.

If the system fails, this warning light turns on again.

- When the tire pressure fault warning light comes on or flashes, and the message "Please check TPMS" is displayed on the instrument cluster, it indicates that the tire pressure system is faulty.
- When the tire pressure fault warning light is solid on and one or more values indicate low tire pressure on the tire pressure screen on the instrument cluster, the corresponding tire is in under-pressure condition.



### ESC fault warning light

- This warning light comes on when the ignition is on. If electronic stability control (ESC) functions properly, the light goes out in a few seconds. If the system fails, this warning light turns on again until the system fault is cleared.
- If the ESC warning light flashes temporarily while the vehicle is in motion, it indicates the ESC system is working.
- When the ESC warning light turns on (with the ABS fault warning light and the parking system fault warning light off), the ESC fails, but the ABS and the braking system continue to operate normally.
- When the ESC warning light turns on (with the ABS fault warning light and the parking system fault warning light off), the ESC system does not work. This means the vehicle is extremely unstable at sharp turns or when the driver steers away from obstacles ahead.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In that case, contact a BYD authorized

dealer or service provider for vehicle inspection as soon as possible.

- When the ignition is switched on, this warning light remains off or is solid on after the ignition is switched on.
- This warning light is steady on while driving.

#### REMINDER

- A flashing warning light during driving indicates that the ESC system is working.
- A warning light that lights up briefly during operation does not indicate a problem.
- If the ABS fault warning light, parking system fault warning light and ESC fault warning light are on at the same time, immediately park the vehicle in a safe place. It is recommended to contact a BYD authorized dealer or service provider. This is because braking at this time can render the vehicle extremely unstable, and the anti-lock braking system does not work at all.



#### ESC OFF warning light

- With the ignition on, this warning light turns on for a few seconds and then disappears.
- When the ESC OFF switch is pressed, this warning light should remain steady on and the ESC system will not operate. When the ESC OFF switch is pressed again, this warning light should turn off and the ESC system resumes normal operation.

#### REMINDER

- While the ESC OFF warning light is on, the driver must stay alert and keep driving at a lower speed when making a sharp turn and when avoiding an obstacle which appears suddenly, because ESC system is malfunctioned at this time and braking will cause instability.



#### Headlight fault warning light

- A yellow warning light means one failed headlight, while a red warning light means both have failed.
- When this indicator is on, it is recommended to bring the vehicle to a BYD authorized dealer or service provider for inspection.



#### Main alarm indicator

If this indicator goes on, check the fault prompt on the instrument cluster.



#### Driving power limit warning light

When the power of the vehicle is limited, this warning light will come on. In this case, contact a BYD authorized dealer or service provider in time.



#### High-voltage battery low SOC warning light

This indicator is on the state of charge meter. If this warning light is on, it indicates low SOC of the high-voltage battery. Charge as soon as possible.



#### Parking system fault warning light

If any of the following conditions occurs, immediately park the vehicle in a safe place. It is recommended to contact a BYD authorized dealer or service provider.

- This warning light comes on when the ignition is switched on and the brake fluid level is low.

#### REMINDER

- When the brake fluid level is low, park the vehicle because it is dangerous to continue driving.
- This warning light is solid on if the drive motor is running, the brake fluid level and EPB system operation are normal (the EPB is engaged and released normally, and the message "Please check the EPB" is not displayed).
- The brake system warning light stays on with the ABS fault warning light.

#### REMINDER

- A warning light that lights up briefly during operation does not indicate a problem.



#### Seat belt reminder

When the ignition is switched on, if any occupant seat belt is not fastened, the seat belt reminder lights up. It remains on until the seat belt is fastened.



#### Low-voltage power system fault warning light

- In charging state, this warning light indicates failure of the charging system.
- This light is used to warn about the operating state of the DC module and

the low-voltage battery module when the vehicle is not being charged.



#### SRS fault warning light

- With the ignition switched on, this warning light turns on and then goes off in a few seconds if the airbag system is working properly. This warning light is used to monitor the airbag ECU, collision sensors, inflation device, warning lights, connections, and power supply.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In that case, contact a BYD authorized dealer or service provider for vehicle inspection as soon as possible.
  - When the ignition is switched on, this warning light remains off or is solid on after the ignition is switched on.
  - This warning light turns on or flashes during driving.



#### Steering system fault warning light

#### REMINDER

- The steering system features an electric motor to reduce the force required to turn the steering wheel.
- When turning the steering wheel, a hum may be heard from the running motor. This does not indicate that the motor is faulty.
- Do not turn the steering wheel to its limit position for more than five seconds, otherwise the temperature protection will be activated and the steering system

## REMINDER

will be damaged or steering will become heavy.

- If you have turned the steering wheel frequently with the vehicle staying put for a long time, the steering wheel may become difficult to turn even if the warning light does not turn on. This is not a fault.
- To prevent steering system overheating, the power assist effect will be reduced if the steering wheel has been frequently turned with the vehicle staying put for a long time. As a result, the steering wheel become difficult to turn. In this case, reduce steering frequency or power off the vehicle. The system will recover within 10 minutes.

## WARNING

- If the steering system warning light goes on, immediately park the vehicle safely, and contact a BYD authorized dealer or service provider.



## Powertrain fault warning light

- If the powertrain fails, this warning light turns on.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In that case, contact a BYD authorized dealer or service provider for vehicle inspection as soon as possible.
  - This warning light is steady on when the ignition is switched on.
  - This warning light turns on during driving.

## CAUTION

- A warning light that lights up briefly during operation does not indicate a problem.
- Try not to drive the vehicle when the warning light is on. Contact a BYD authorized dealer or service provider to check the problem as soon as possible.



## High-voltage battery overheating warning light

- If this indicator is on, it indicates that the high-voltage battery temperature is too high and the vehicle must be stopped to cool down.
- The high-voltage battery may overheat under the following operating conditions:
  - Driving up a slope for a long time in hot weather.
  - Long period of stop-and-go traffic condition, frequent rapid acceleration, frequent hard braking, or vehicle running for a long time without pause.



## High-voltage battery fault warning light









- This warning light comes on when the ignition has just been switched on. If the high-voltage battery system is working properly, this warning light will turn off in a few seconds. Thereafter, if the system fails, this light will light up again. Contact a BYD authorized dealer or service provider for inspection as soon as possible.
- If any of the following cases occurs, it means that there is a fault in the components monitored by the warning light system. In such case, it is recommended to contact a BYD

authorized dealer or service provider for vehicle inspection as soon as possible.

- This warning light is steady on when the ignition is on.
- This warning light is steady on or occasionally turns on while driving.

### Other Instrument Cluster Fault Prompts

The instrument cluster may display the following fault prompts. Handle them as recommended:

Symbol	Error message	Response
	Please check the OBC system	The on-board charging system is faulty. Check the charging connection, and reconnect the charging equipment. If the fault persists, contact a BYD authorized dealer or service provider.
	Vehicle network error, please pull over safely and contact BYD service	The vehicle may be disconnected from the data network. Park the vehicle immediately at a safe place, and contact a BYD authorized dealer or service provider.
	EV power limited	The EV function is limited. Contact a BYD authorized dealer or service provider immediately.
	Please check the headlight	The headlight is faulty. Contact a BYD authorized dealer or service provider.
	AEB limited*	The AEB system is faulty. Park the vehicle, and contact a BYD authorized dealer or service provider.
	BSD limited*	The blind spot assist system is faulty. Park the vehicle, and contact a BYD authorized dealer or service provider.
	LDP function limited*	The lane departure assist (LDA) system is faulty. Park the vehicle, and contact a BYD authorized dealer or service provider.
	Intelligent-camera is not available due to poor condition*	The intelligent camera is unusable. Check whether the visual field of the camera on the front windshield is blocked by foreign objects or is foggy. If not, contact a BYD authorized dealer or service provider.
	Please check the gear*	The shifter controller is faulty. Park the vehicle immediately, and contact a BYD authorized dealer or service provider.



# 03

## CONTROLLER OPERATION

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# Keys and Doors

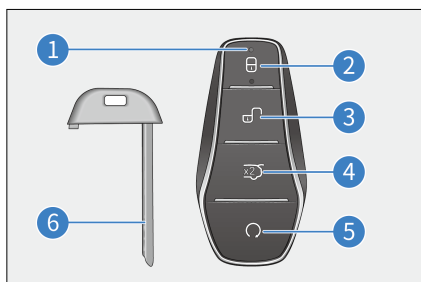
## Keys

The vehicle is equipped with keys, including electronic smart key, mechanical key (installed in the electronic smart key), bluetooth digital key\* and NFC key\*.

### Smart Key

Lock or unlock all doors by pressing the driver's door microswitch while carrying the electronic smart key. Buttons on the key help you lock or unlock doors, open the trunk, and start the vehicle remotely.

- ① Indicator
- ② Lock button
- ③ Unlock button
- ④ Trunk release button
- ⑤ Start/Stop button
- ⑥ Mechanical key



### WARNING

- The button (coin) battery in the smart key is hazardous and both new and used batteries are to be kept away from children at all times.

### WARNING

- If swallowed or placed inside any part of the body, a lithium button battery can cause severe or fatal injuries in two hours or less.
- Medical attention should be sought immediately if it is suspected the button battery has been swallowed or placed inside any part of the body.

### CAUTION

- The smart key is an electronic component. Observe the following instructions to prevent damage to the key:
  - Do not expose the smart key to high temperatures, such as on the dashboard.
  - Do not disassemble the smart key without authorization.
  - Do not let the smart key hit other objects or fall down.
  - Do not immerse the key in water or clean it in the ultrasonic scrubber.
  - Do not place smart keys with devices that emit electromagnetic waves, such as the mobile phone.
  - Do not attach to the smart key any objects (such as a metal seal) capable of cutting off electromagnetic wave signals.
  - You can register a spare key for the same vehicle. In this case, contact a BYD authorized dealer or service provider immediately.
- If the electronic smart key cannot operate the door within the

**CAUTION**

normal distance, or the key indicator light is dim or off:

- Check for nearby radio stations or airport radio transmitters that interfere with the normal operation of electronic smart keys.
- The smart key battery may be exhausted. Check the battery inside the electronic smart key. It is recommended to contact a BYD authorized dealer or service provider for inspection as soon as possible.
- If the smart key is lost, contact a BYD authorized dealer or service provider as soon as possible to prevent theft or accidents.
- Do not change the transmission frequency arbitrarily, increase the transmission power (including additional transmission frequency amplifier), or arbitrarily connect the external detection antenna or switch other transmitting detection antennas.
- Do not generate harmful interference to legal radio communication services when using the smart key. Once any interference is found, stop using the smart key immediately, and take measures to eliminate the interference before continuing to use it.
- The use of micropower radio equipment must be free from interference of all radio services or from radiation of devices for industrial, scientific and medical applications.
- Do not use it near aircraft or airports.

**CAUTION**

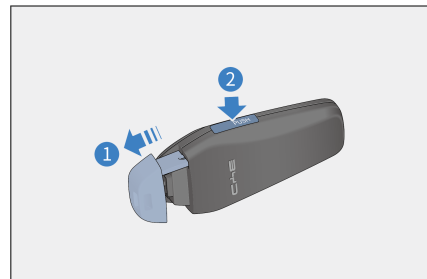
- People implanted with pacemakers or defibrillators should stay away from the detection antennas of intelligent entry and start systems, as electromagnetic waves can affect the normal use of such devices.
- In addition to people implanted with pacemakers or defibrillators, those who use other electronic medical devices should also consult the manufacturer on the use of such devices under the influence of electromagnetic waves. Electromagnetic waves may bring unknown consequences to the use of such medical devices.
- When leaving the vehicle, always carry your key and lock the vehicle. Never leave anyone (especially children) alone in the vehicle.

**Mechanical Key**

Use the mechanical key (inside the smart key) to lock or unlock the driver's door. Insert the mechanical key back into the smart key when it is not in use.

**Taking out the mechanical key**

Press the "PUSH" button ② on the smart key, and take out the mechanical key in the direction indicated by ①.



- Press the "PUSH" button and insert the mechanical key back into the smart key when it is not in use.

## Locking/Unlocking Doors

### Locking/Unlocking with Mechanical Key

Insert the key into the lock hole and turn it.

- Unlocking: Turn the key counterclockwise.
- Locking: Turn the key clockwise.



### Opening with Interior Door Handle

- When the vehicle is unlocked, pull the handle once to open the door from inside the vehicle.
- When the vehicle is locked, pull the handle twice to open the door from inside the vehicle.

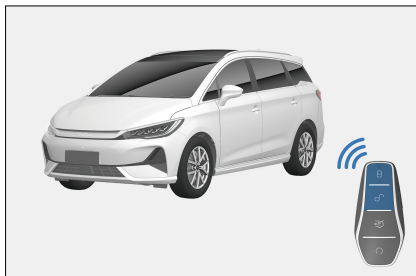


### Locking/Unlocking with Smart Key

- The wireless remote control is used to lock or unlock all doors at a close distance, and complete additional functions. The key indicator flashes once when either switch is pressed once.
- In the active area, press the associated button on the registered smart key to lock or unlock all doors.

#### Locking:

- When the ignition is switched off and all the doors and the hood are closed, press the lock button to lock all the doors with turn signals flashing once. Check whether all doors are securely locked.
- If any door or the trunk is not closed properly, the turn signals do not flash, and the vehicle sounds once.



- When the car is locked at night, the owner can conveniently and quickly find the lock button on the electronic smart key by touching the blind spots on the key.

#### Unlocking:

- When the ignition is switched off, press the unlock button to unlock all the doors at the same time. The turn signals flash twice.

- If the ignition is in a status other than OFF, doors cannot be unlocked/locked with the unlock/lock button.
- If DOOR option is selected and the anti-theft alarm system is armed, when you unlock the vehicle with the smart key, even if no door is opened, the interior lights stay on for 15 seconds and then go out.
- If the anti-theft alarm system is armed, open any door within 30 seconds after unlocking with the smart key, Otherwise, all the doors will lock automatically.

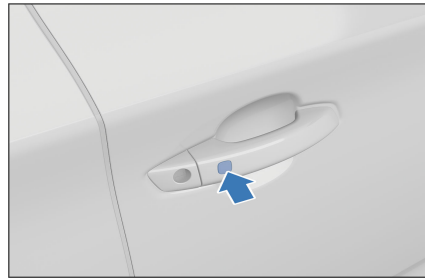
### Finding the Vehicle with Smart Key

- With the anti-theft alarm system armed, pressing the lock button sounds a long beep and makes turn signals flash 15 times. Use this function to locate the vehicle when it cannot be found.
- When the vehicle is in car search mode, press the lock button again. The vehicle enters the next car search mode.

### Locking/Unlocking with Microswitch

#### Locking

- When the ignition is switched off and all doors are closed but not locked, press the microswitch on the exterior door handle while carrying the smart key. All the doors are locked. and turn signals flash once.
- If any door, the hood, or the trunk lid is not closed, pressing the microswitch still locks the closed doors, but the horn sounds once only, and the turn signals do not flash.



#### Unlocking

- When the anti-theft alarm system is armed, press the microswitch on the door handle while carrying the smart key. All doors and the trunk unlock.
- Pressing the microswitch does not work if:
  - This is performed while a door is being opened or closed.
  - The ignition is not switched off.
  - The smart key is left in the vehicle.

#### ! REMINDER

- If the smart key is too close to an exterior door handle or window, it may not be possible to activate the entry function.
- When leaving the vehicle, always carry your key and lock the vehicle. Never leave anyone (especially children) alone in the vehicle.
- If the anti-theft alarm system is armed, open a door within 30 seconds after the unlocking. or all doors will relock automatically.

#### Raising/Lowering Windows with Microswitch

- With the ignition off, press and hold the microswitch while carrying the smart key to roll up or down

all windows (By default, lifting the window function is activated and lowering the window function is closed).

- To enable or disable microswitch window locking and closing/unlocking and opening functions, go to infotainment touchscreen → 🚗 → **Vehicle** → **Locks**.

## Locking/Unlocking with NFC Key

### Lock

- When doors are closed but unlocked, hold the NFC key close to the designated area on the driver's side mirror. All doors are locked at the same time with turn signals flashing once..



### Unlocking

- With the anti-theft alarm system armed, hold the NFC key close to the designated area on the driver's side mirror to simultaneously unlock all the doors. The turn signals flash twice.
- The locking/unlocking function is invalid if the NFC key is placed close to the designated area on the driver's side mirror while doors are being opened or closed.
- To use the NFC digital key on the phone, enable the NFC function of the phone and hold the top back part of the phone close to the designated area on the driver's side mirror.

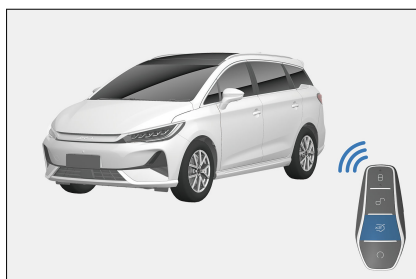
## ! REMINDER

- If the anti-theft alarm system is armed, open a door within 30 seconds after unlocking with the NFC key, or all doors will relock automatically.
- Some smartphone models do not support the use of NFC digital keys when the device is powered off.
- Avoid using the NFC digital key of your phone for extended periods or frequently when it is out of battery or turned off.

## Locking/Unlocking the Trunk

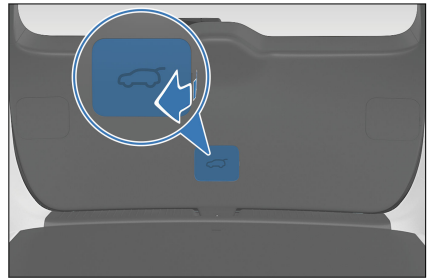
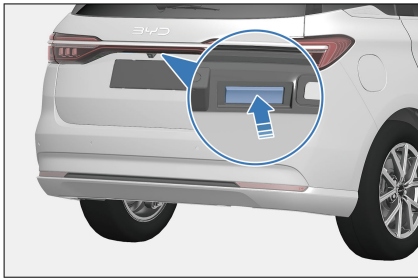
### Unlocking the trunk lid with smart key

- Press the trunk release button to unlock the trunk. The turn signals then flash twice.
- If manual trunk release is equipped: Double-press the trunk release button in two seconds to unlock the trunk lid.



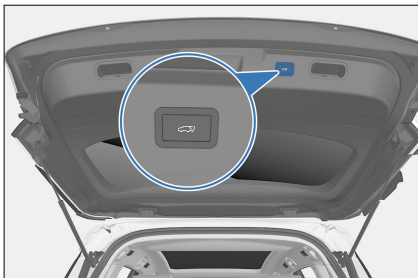
### Opening the trunk with exterior switch

- With the vehicle unlocked or the valid smart key nearby, press the exterior switch to unlock the trunk. Pull the trunk lid up to open the trunk, and close to lock the trunk.
- With the vehicle locked, approach with the valid key and press the exterior switch to open the trunk lid.



### Trunk close button\*

- When the trunk lid is open and stationary, press the trunk close button to close this lid.
- Press this button a second time to stop the lid at the current position. Press this button again to have the lid move in the opposite direction.



### REMINDER

- If the switch is pressed again while the lid is in motion, it will stop at its current position.

### Emergency Trunk Releasing from the Inside

1. Remove the access cover of the trunk lid lock from the lid trim panel.
2. Pull the lever to unlock the trunk.

### WARNING

When operating the trunk, make sure to observe the following precautions:

- When the trunk lid is opened, the vehicle speed is less than 3km/h.
- Make sure the surrounding area is safe when opening or closing the trunk.
- Make sure the trunk is properly closed before driving the vehicle.
- Make sure to alert people nearby of the lid motion.
- Be mindful of windy conditions when opening or closing the trunk.
- The lid may start closing before fully opening. Opening or closing the trunk on slopes is more difficult than on level ground. Be mindful of the possibility of the lid to move on its own in such conditions. Before loading or unloading the trunk, make sure the lid is fully open and secure.
- Make sure hands and fingers are clear from the lid area when it is closing.

### ! REMINDER

- When the vehicle is powered off, the trunk lid can be unlocked from the inside in case of emergency.

### Locking/Unlocking with Central Locking

#### Locking or unlocking with central locking

See **P63** in this chapter.

#### Locking or unlocking doors automatically

- All doors automatically lock at vehicle speeds above 8 km/h.
- Press the START/STOP button to switch the ignition off. Then, all doors are locked automatically.

### ! REMINDER

- All doors unlock automatically when the vehicle suffers a strong impact, depending on the impact intensity and accident type.

#### Locking/unlocking all doors concurrently

- With the anti-theft alarm system disarmed, the backlight of the central lock button turns on if the vehicle is locked and off if the vehicle is unlocked.
- Pressing the central lock button locks all doors so that any attempt to open any door from the outside fails. At this time, pull the interior handle once to unlock a door and pull a second time to open it.

### Emergency Vehicle Locking with Mechanical Key

When the central locking system fails or the smart key battery is low, use the mechanical key for emergency locking.

- Insert the mechanical key into the inside gap of the stopper tongue, and rotate the mechanical key to press down the lock machine, the white plastic component shown as the picture, to lock the doors except the driver's side.
- Lock the other three doors firstly, and they lock the driver's door with the mechanical key.



- When reenter the vehicle, use the mechanical key to unlock the driver's door first. Pull the interior handle twice to unlock the three other doors after entering the vehicle.

### ! REMINDER

- Prevent excessive force from distorting or breaking the key during the operation.

# Smart Access and Start System

## Access

Press the microswitch on the door handle to lock or unlock the doors while carrying the smart key.

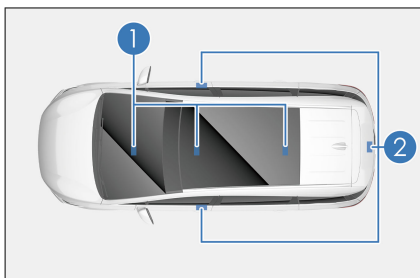
## Start-up

With the smart key inside, press the brake pedal and the START/STOP button to start the vehicle.



## Antenna positions

- ① Interior antenna
- ② Exterior antenna (left and right)



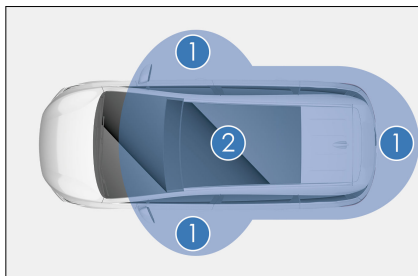
## Active area

The smart access and start functions take effect only when the registered smart key is within the active area.

① Active area of the access function: about one meter from the front door handle and the trunk.

② Active area of the start function: inside the cabin.

If another smart key is near this vehicle's smart key, unlocking may take longer than usual, which is normal.



## ! REMINDER

- The smart access and start-up function may not work properly in the following situations:
  - There is a strong electromagnetic field nearby, such as TV towers, power stations, and broadcasting stations.
  - The smart key is being carried along with a communication device, such as a two-way radio or mobile phone.
  - The smart key is in contact with or covered by a metal object.
  - The door handle is operated too quickly.
  - The smart key is too close to the handle.
  - The smart key is in low battery.



## REMINDER

- The smart key is close to high-voltage equipment or equipment that produces noise.
  - The smart key is carried along with another vehicle's smart key.
  - Even within the active area, the smart key may not work properly in certain locations, for example, on the dashboard, in the glove box or on the floor.
  - If the smart access and start system cannot work properly due to system failures, bring all smart keys to a BYD authorized dealer or service provider for repair.
- If the smart access system is not working properly and it is impossible to enter the vehicle, the mechanical key can be used to lock/unlock the driver's door, or the wireless remote control function can be used to lock/unlock all doors.
  - Pressing the START/STOP button may not enable the start function due to:
    - Smart key failure. If the smart key warning light comes on and a message ("Low key battery") is displayed on the instrument cluster, the battery of the key may be exhausted.
    - Hold the smart key close to the no-power sign on the auxiliary dashboard (in the cup holder) to start the vehicle. Refer to the operation procedure in **P174**.
    - The smart key battery should be replaced as soon as possible. It is recommended to contact a BYD authorized dealer or service provider for replacement.

- The vehicle is started repeatedly in a short time. Wait for 10 seconds and start the vehicle again.

### If smart key battery is exhausted

If the vehicle cannot be started using the start function and the smart key indicator does not flash, the smart key battery may be exhausted. Please replace the battery as soon as possible.

### Saving battery power

- The smart key communicates with the vehicle even when the vehicle is not running. Therefore, do not leave the smart key in the vehicle or within two meters from the vehicle.
- Receiving strong electromagnetic waves for a long time drains the battery of the smart key quickly. The smart key must be kept at least two meters away from the following devices:
  - TVs
  - PCs
  - On-board charger
  - Electroliers
  - Fluorescent desk lamps

## Child Protection Lock

- Child protection locks are designed to prevent children in rear seats from accidentally opening doors. Such locks are provided on each side of the left and right rear doors.
- The door cannot be opened from inside the vehicle while the latch is locked. To open this door, use the exterior door handle.



### CAUTION

- Before driving, especially when a child is in the vehicle, ensure that the doors are closed and the child protection lock function is enabled.
- Proper use of seat belts and locked doors helps prevent the driver and passengers from being thrown out of the vehicle in the event of an accident, and prevent the doors from being opened accidentally.

## Seats

### Seat Precautions

When the vehicle is moving, all passengers in the vehicle must fasten their seat belts, and rest their backs upright against the seatback.

### WARNING

- Do not drive the vehicle until occupants are seated properly.
- Passengers are not to ride sitting on folded seatback, in the trunk or on luggage. Improper seating position or improperly fastened seat belts can result in

### WARNING

- severe personal injury in case of emergency braking or a collision.
- It is prohibited to stand or move around the seats when driving, or passengers may get injured in case of emergency braking or a collision.

### CAUTION

- Adjust the driver's seat so that the pedals, steering wheel, and dashboard controls are all within the driver's easy control.

### REMINDER

- Do not adjust the driver's seat while the vehicle is in motion, as unpredictable seat movement can cause the loss of vehicle control at this time.
- While adjusting a seat, do not let it hit against any passenger or the luggage.
- After manually adjusting the seat, always check that it is securely locked into place by attempting to push it forward and backward.
- After adjusting the seatback, lean back to confirm the seatback has been locked.
- Do not place any items under the seats. The driver may lose control of the vehicle because items placed there affect the seat locking mechanism or accidentally push up the seat position adjustment lever, causing the seat to move suddenly.
- When adjusting the seat, do not place your hand under the seat

## ! REMINDER

or near its operating parts, to prevent being crushed.

## Adjusting Front Seats

### Adjusting Front Seat with Power\*

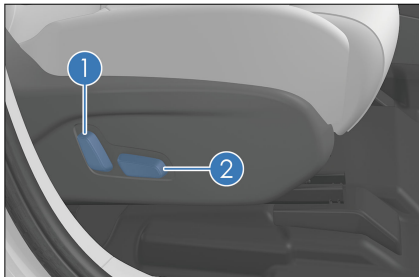
Manual front seat adjustment include seat position adjustment, seat height adjustment\*, and seatback angle adjustment.

#### ① Seatback angle adjustment switch

Toggle the upper end of the seatback angle adjustment switch to adjust the seatback angle.

#### ② Seat position adjustment switch

- Toggle the seat position adjustment switch back or forth to move the seat backward or forward.
- Move the switch up or down to raise or lower the seat.

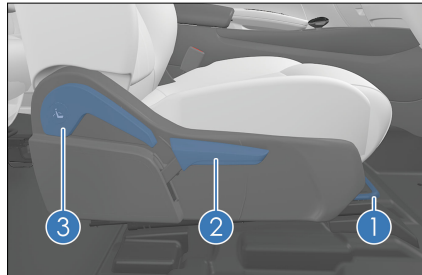


### Adjusting Front Seats Manually\*

Front seat adjustment include seat position adjustment, seat height adjustment, and seatback angle adjustment. Choose the following methods according to the actual configuration of your vehicle.

#### ① Seat position adjustment lever

- To move forward or backward, hold the middle of the adjustment lever to pull it up, slide the seat to the desired position, and release.
- After adjusting the seat, always check that it is securely locked into place (for example, a locking sound is heard) by attempting to push it forward and backward.




#### ② Seat height adjustment handle

Pull up the height adjustment handle to adjust the seat to a desired height. Pull down the handle to lower the seat. Repeat the adjustment for several times to the required height. If the resistance of the handle increases significantly, it indicates that the seat has been adjusted to the highest or lowest position.

#### ③ Seatback adjustment handle

Pull up the adjustment handle, and lean back or forward to adjust the seatback angle. Release when you have found the desired position.

## Ventilation System

- To enable or disable seat ventilation, go to the infotainment touchscreen →  → Seats.
- You can also access the seat ventilation settings in the drop-down menu on infotainment system homepage.



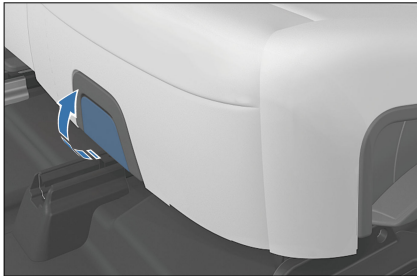
### Ventilation adjustment

- Seat ventilation: On the infotainment touchscreen, tap the seat ventilation controls to select a ventilation mode: 1 or 2.
- This function is always disabled when the vehicle is just powered on.

## Adjusting Second-Row Seats

### Seven seaters\*

- To move forward or backward, hold and pull up the adjustment lever, slide to the desired position, and release.

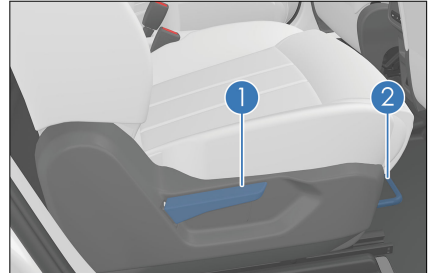


- Pull up the adjustment handle, and lean back or forward to adjust the seatback angle. Release when you have found the desired position.



### Six seaters\*

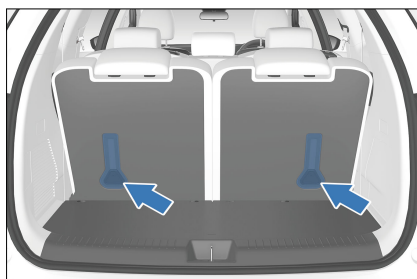
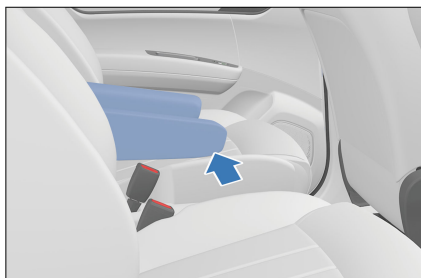
- ① Seatback adjustment handle
  - Pull up the adjustment handle, and lean back or forward to adjust the seatback angle. Release when you have found the desired position.
  - Ensure that the second row seats are unoccupied. Lift the backrest adjustment handle upward, and push the backrest forward at the same time until the backrest is folded flat.



- ② Seat position adjustment lever
  - To move forward or backward, hold the middle of the adjustment lever to pull it up, slide the seat to the desired position, and then release the lever.
  - After adjusting the seat, always check that it is securely locked into place (for example, a locking sound is heard) by attempting to push it forward and backward.

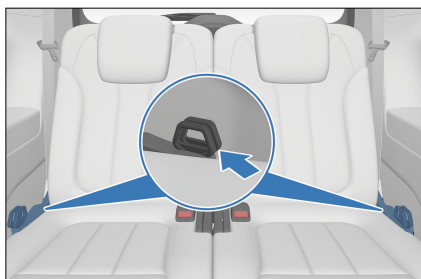
### Second row armrest adjustment (six seaters)\*

- The height of the armrest of the second row seat can be adjusted within a certain range.
- Lift the armrest of the second row seat before accessing the third row seat.



## Adjusting Rear Seats

- Adjusting seatback angle
  - Pull up the adjustment handle, and lean back or forward to adjust the seatback angle. Release when you have found the desired position.



- Flipping and lowering the seatback
  - Pull the cord to straighten the seatback.
  - Push the seatback forward/backward to fold it. You can fold the seatback forward until the back touches the cushion, or you can fold it backward until reaching the locking position (with a locking click).

### ! REMINDER

- Before folding the second or third row seats, ensure that the seats are unoccupied to avoid injury to passengers or damage to objects.
- Before folding the second or third row seats, remove any luggage or other items under the seats to avoid damage.
- Before folding the second or third row seats, unfasten the seat belts and put them away to prevent them from interfering with seat folding.
- Before folding the third row seats, adjust the head supports to the lowest position to avoid affecting seat folding or scratching the seat fabric.
- Handle the seats gently during folding to avoid damage to the seats.
- When raising the second row seat, pull the backrest upward until you hear the seat click into place to avoid danger caused by seat movement during driving.
- To raise the third row seats, pull the backrest upward until it reaches the end of the track and then release the pull ring, and confirm that the backrest is

### ! REMINDER

securely locked into position to avoid danger.

## Accessing the Third-Row Seats

### Seven seaters\*

1. Stop the vehicle and ensure that it is on a relatively flat surface.
2. Ensure that the second row seats are unoccupied. Pull up the handle on the top of the right outboard seat backrest, push the backrest forward to tilt, and the seat slide automatically unlocks, and then push the seat forward. Then enter and exit the third row seating positions from the rear of the seat.
3. Pull the seat backward, and then lift the backrest to the locked position to ensure the safety of driving.



### Six seaters\*

- The third row can be accessed from the aisle between the seats in the second row.

### ! REMINDER

- Before operating the right outboard seat in the second row, ensure that the seat is unoccupied to avoid injury to passengers or damage to objects.

### ! REMINDER

- To facilitate passengers to enter and exit the third row, move the driver's seat forward as far as possible before operating the right outboard seat. This can provide maximum access space for passengers in the third row.
- If the third row seats are occupied, be careful not to injure the feet or knees of the passengers when the right outboard seat of the second row is moved backward.

## Head Supports

### Lifting a head support

Lift the head support in the direction of its post until it is in the appropriate position, and then release it until a locking sound is heard.

### Lowering a head support

Press and hold the head support adjustment button, lower the head support to a proper position, slightly lift the head support and release the button after hearing a locking sound.



### Removing a head support

Press and hold the head support adjustment button, remove the head support and release the button.

### Installing a head support

Insert the head support post into the bushing with the grooves facing forward. Press and hold the head support adjustment button, lower the head support to a proper position, slightly lift the head support and release the button after hearing a locking sound.

#### REMINDER

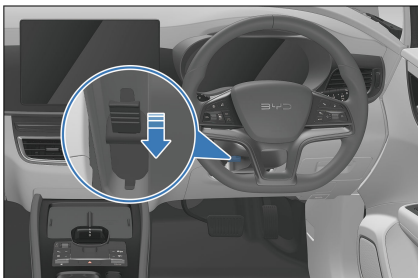
- Head supports protect vehicle occupants from head and neck injuries. Adjust the head support so that its center aligns with the back of your head for maximum protection. Adjust the head support to the proper position based on your actual height.

## Steering Wheel

### Adjusting the Steering Wheel

To adjust the steering wheel position, hold it and operate as follows:

- Push down the steering wheel adjustment handle, adjust the steering wheel to the desired position, and then restore the handle to the locking position.



#### WARNING

- Never adjust the steering wheel while driving. This may obstruct the control of the vehicle, resulting in accidents.
- After adjusting the steering wheel, move it up and down to verify that it is securely locked.

#### Power-Assisted Steering Mode Settings\*

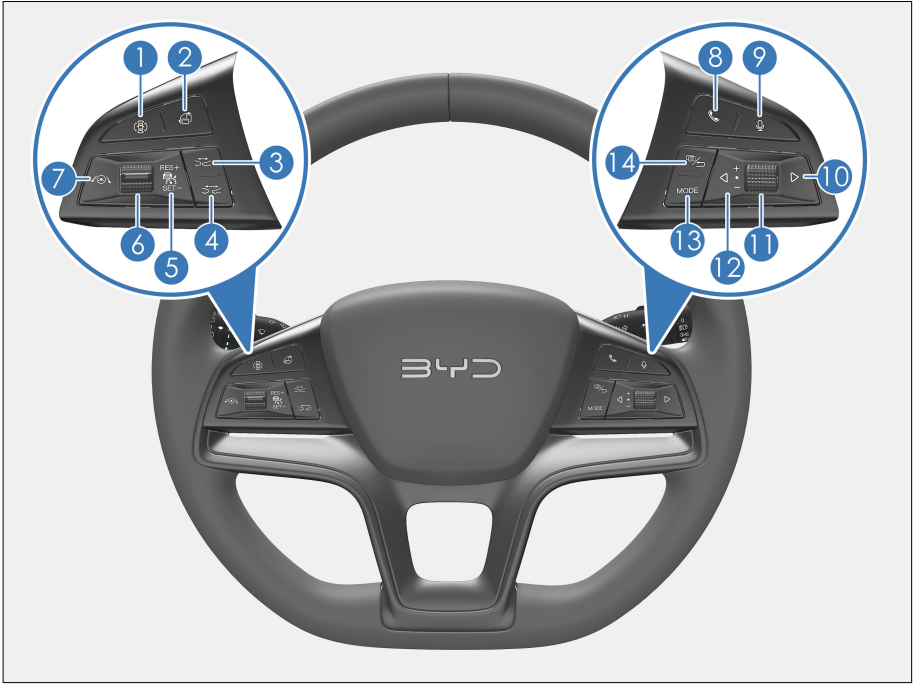
- The feel of steering assistance varies from person to person, and so do the evaluation and needs for this feel.
- Settings of the function is accessible on the infotainment touchscreen.

#### REMINDER

- Setting the power steering to sport mode is suggested if the steering wheel feels light when the vehicle is running at a high speed.

# Steering Wheel Switches

## Configuration 1



- |   |   |    |                         |
|---|---|----|-------------------------|
| 1 | AVM   | 8  | Call                    |
| 2 | Screen mode                                 | 9  | Speech recognition      |
| 3 | Distance -                                  | 10 | Right                   |
| 4 | Distance +                                  | 11 | Scroll button           |
| 5 | Cruise control switch or +/-/Reset or -/Set | 12 | Left                    |
| 6 | Lever                                       | 13 | Mode                    |
| 7 | ICC   | 14 | Instrument cluster/Back |

## Configuration 2



- |   |                       |    |                         |
|---|-----------------------|----|-------------------------|
| 1 | AVM                   | 8  | Call                    |
| 2 | Screen mode           | 9  | Speech recognition      |
| 3 | Reset                 | 10 | Right                   |
| 4 | Set                   | 11 | Scroll button           |
| 5 | Cruise control        | 12 | Left                    |
| 6 | Lever                 | 13 | Mode                    |
| 7 | Cancel cruise control | 14 | Instrument cluster/Back |

The audio control switch is accessible when the ignition is switched on.

### Left-hand buttons

#### AVM

- Turns panoramic view off if already in panoramic view mode, or on if not in panoramic view mode.

#### Screen mode

- Switches between the landscape and portrait mode of the infotainment system touchscreen.

#### Distance -\*

- Reduces the distance from the vehicle ahead by one notch when the ACC function is enabled. A total of four notches are available.

#### Distance +\*

- Increases the distance by one notch when the ACC function is enabled. A total of four notches are available.

#### Cruise switch\*

- Turns the ACC system on or off.

#### +/Reset\*

- Activates the adaptive cruise control system and uses the previous system settings.

#### -/SET\*

- Sets the current speed to the target cruise speed.

#### Cancel cruise control\*

- Changes the ACC mode from active to standby.

#### ICC\*

- Enable or disable ICC system.



#### REMINDER

- For instructions on using cruise control, see **P100** and **P104**.

### Right-hand buttons

#### Scroll button

- Adjusting infotainment system volume when the instrument cluster is not in menu mode:
  - Roll the button upward to increase the volume. The button is non-operational when the volume reaches the highest.
  - Roll the button downward to decrease the volume. The button is non-operational when the volume reaches the lowest.
  - Press down the button to mute.
- When the instrument cluster is in menu mode:

- Roll the button upward to select the upper level-2 or level-3 menu items.
- Roll the button downward to select the lower level-2 or level-3 menu items.
- Press down the button to go to the next-level menu or confirm the current setting.



#### CAUTION

- The infotainment system is muted once the instrument cluster is set to the menu mode. To adjust infotainment system volume, exit the instrument cluster menu mode first.

#### Left/Right

- In radio mode:
  - Press and hold the ◀ button to automatically search for the previous radio station with a strong signal (turning frequency down).
  - Press the ◀ button to select the pre-saved radio station upward.
  - Press and hold the ▶ button to automatically search for the next radio station with a strong signal (turning frequency up).
  - Press the ▶ button to select the pre-saved radio station downward.
- When the infotainment system is in USB/Bluetooth music/third-party music app/other modes:
  - Press the ◀ button to play the previous track (track number -1).
  - Press the ◀ button to select a record upward on the Bluetooth call record or phonebook screen.

- Press the ▷ button to play the next track (track number +1).
- Press the ▷ button to select a record downward on the Bluetooth call record or phonebook screen.
- In the menu mode:
  - Press the ◀ button to switch to level-1 menu and its submenus on the left.
  - Press the ▷ button to switch to level-1 menu and its submenus on the right.

### Call

- Press this button to make or receive a call. The audio system is muted at the same time.
- When a Bluetooth-unrelated screen is currently displayed, press this button to switch to the phone selection screen if Bluetooth is disconnected, or to the Dial screen if Bluetooth is connected.
- After entering a phone number on the Dial screen or selecting a record on the Call Log or Contacts screen, press this button to dial the number.
- When Bluetooth is connected, but no phone number is entered on the Dial screen, press this button to switch to the Call Log screen. Press this button again to call the first dialed number on the call history.

### Speech recognition

- Press this button for the infotainment touchscreen to switch to the voice recognition screen.
- Press this button again to re-enter a voice command.

### Instrument cluster/Back

- When the instrument cluster is not in the menu mode, press this button to view the instrument cluster menu.
- When the instrument cluster is in menu mode, press this button to return to the upper-level screen, or to exit the menu if there is no upper-level screen.
- When on the Bluetooth call screen, press this button to end the call.

### Mode

- Selecting a mode: Press the Mode button to switch between media apps, peripherals, and pre-installed third-party audio/video apps.
  - If speakers are turned off, press this button to turn them on and enter the memory playback mode, or switch to the radio mode if there is no playback source (for example, no external audio equipment) in the memory playback mode.

### Horn

- Press the horn button area to honk the horn, and release to stop honking.

#### CAUTION

- Avoid pressing honking for too long, as the horn may be damaged.

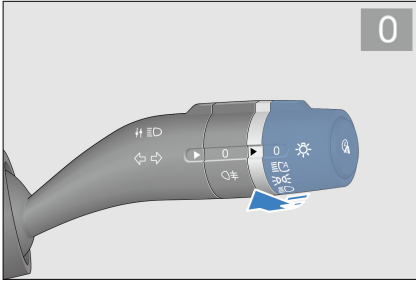
#### REMINDER

- Observe the traffic laws and use the horn properly.


# Switches

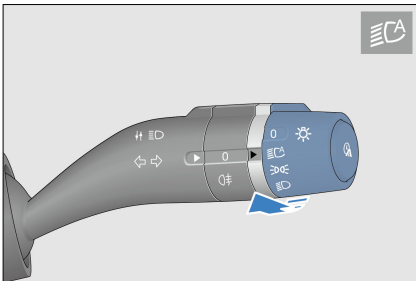
## Light Switches

Set the light switch to 0 to turn off all lights except for daytime running lights.




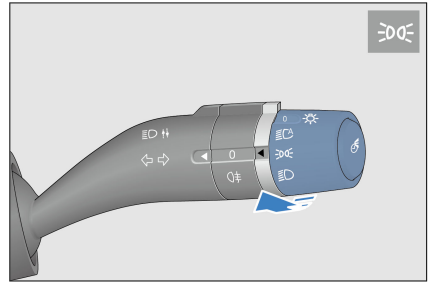
### Auto lights

Set the light switch to . The body control module captures the brightness data from the light intensity sensor to automatically turn the position lights and low beam on or off.




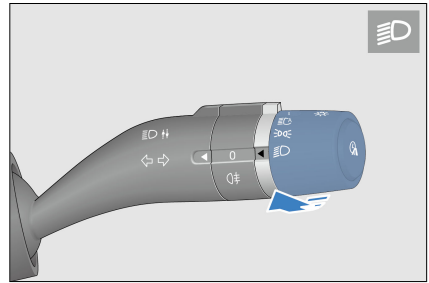
### Position lights

Set the light switch to  to turn on position lights and license plate light.





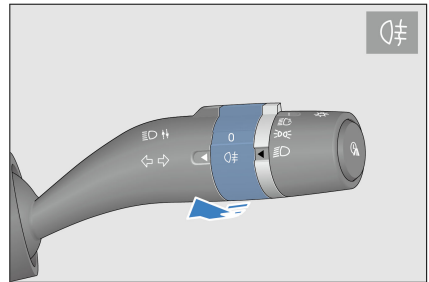
### Low beam

Set the light switch to  to turn on the low beam.




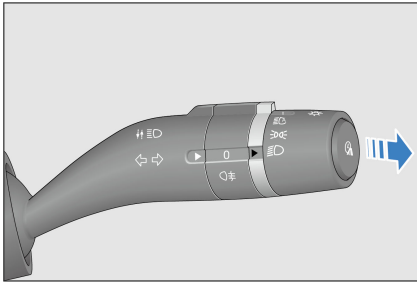
### Rear fog lights

Set the light switch to  and rotate the fog light dial to , to turn on rear fog lights.



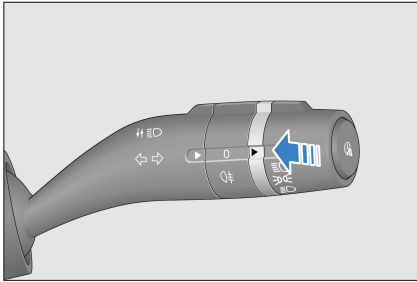
### High beam

Set the light switch to  and push the lever down (away from the steering wheel) to turn on the high beam.



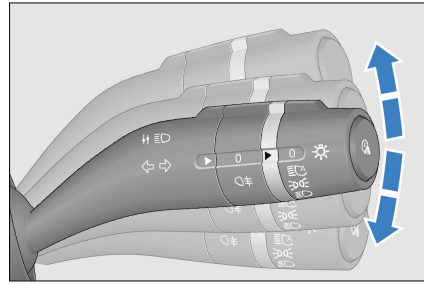
### Overtaking light

Pull up the lever (toward the steering wheel) to turn on the overtaking light. Release the lever for the light switch to automatically reset. The overtaking light turns off.





### Turn signals

- Push up the combination switch light handle. The left turn signal and its indicator on the instrument cluster flash.
- Pull down the combination switch light handle. The right turn signal and the turn signal indicator on the instrument cluster starts flashing at the same time.










- Once turned on, turn signals continue flashing even after the lever is released. They will turn off after the turn is complete. Depending on the driver's habit, the turn signal will reset after the vehicle turns around under some extreme conditions.

### Auto light off





- Conditions to activate the auto light off function: To activate this function, set the light switch to  or  and switch off the vehicle power.
- When the function is activated, the headlights and position lights turn off in 10 seconds if the driver's door is closed.
- When the function is activated, the headlights and position lights turn off in 10 minutes if the driver's door is open.
- After the lights turn off automatically, if the light status changes, these lights come on in the new status. If the conditions to activate the auto light off function are still met, the function is activated again.
- Disabling of the auto light off function: When the vehicle is powered on, the auto light off function is disabled, and the light switch can be operated normally.
- If the auto light off function has turned off the lights and the anti-theft alarm system has been armed, disarming the

alarm system makes the lights come on again automatically. If the driver's door remains closed, the lights go off again after 10 seconds. But if any door is open, it turns off the light in 10 minutes.

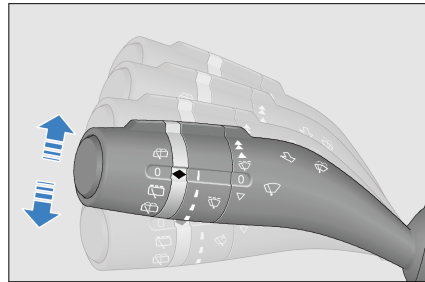
### Lighting delay




- Coming-home lighting:
  - The lighting delay is 10 seconds by default and can be set on the infotainment touchscreen. With the light switch set to , , or , when you power off the vehicle, lock four doors, and are leaving the vehicle, the corresponding lights keep on for 10 seconds (or the set time period).
- Leaving-home lighting:
  - The lighting delay is 10 seconds by default and can be set on the infotainment touchscreen. With the light switch set to , , or , when you unlock and are approaching the vehicle, the corresponding lights keep on for 10 seconds (or the set time period).
- You can set the delay in infotainment touchscreen →  → **Vehicle Settings** → **Ambient Light**.

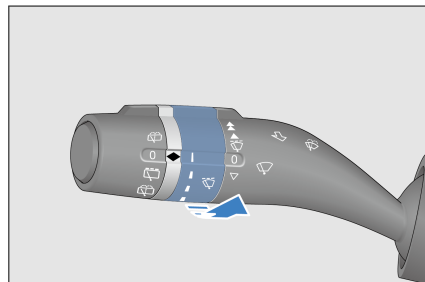
### Wiper Switch

- The lever is used to control the windshield wipers and washer. It has five modes:
  -  : Fast
  -  : Slow
  -  : Intermittent
  -  : Off

-  : Point-wiping

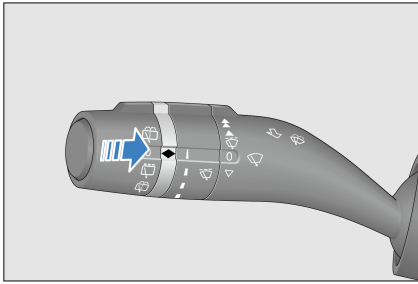


- Push up or pull down the lever to select a mode.
- In slow and fast modes, the wiper operates continuously.
- Pulling down the lever from the  position activates the point-wiping mode . The wipers wipe at a low speed until you release the lever.
- The  INT knob determines the frequency at which the intermittent mode wipers.






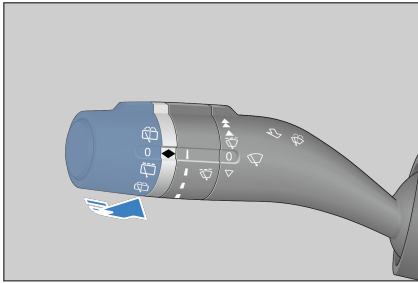
### Front windshield washer


- To clean the front windshield, pull the wiper switch lever backward (towards the steering wheel) so that the washer spray washing fluid while the wipers operate.
- If the lever is pulled for less than one second, the wipers wipe once after the current action. If the time exceeds one second, the wipers wipe twice.

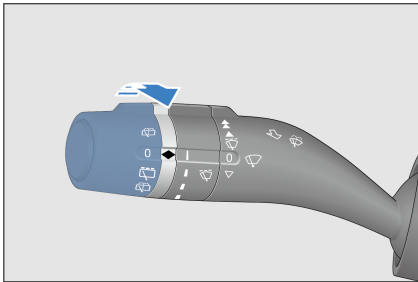


### Rear windshield wiper and washer\*

- Set the wiper switch to  to activate the rear windshield wiper; set it to  to stop the wiper.
- Set the wiper switch to  to activate the rear windshield wiper and washer simultaneously.



- Set the wiper switch to  and release it. The wiper operates twice after washing fluid has been sprayed.



### CAUTION

- Due to differences in vehicle equipment, the specific details of wiper function vary between vehicles.

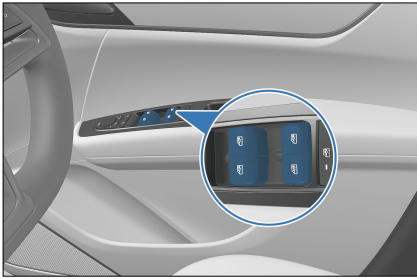
### REMINDER

- Check and clean the wiper blades at regular intervals.
- Do not start the wipers while rain is starting, as the windshield cannot be cleaned and rainwater mixed with sand and dust may instantly blur your view, affecting driving safety.
- Use cleaning agent for glass. The use of water, or another type of detergent, may damage the washer motor.
- If the trunk is open or not fully closed, the wiper switch will fail to control the rear wiper until the lid is closed.

## Driver's Door Switches

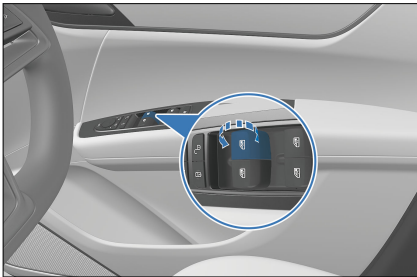
### Power Window Switches

- The window control switch at the driver's side contains four buttons to roll up or down windows on four doors, respectively.
- When the ignition switch is on OK, all the window switches can lift up and down the window.
- The ignition is switched off. When the left and right front doors are not opened, the power windows can continue to work for a maximum of 10 minutes. If the left and right front doors are open, the power window delay function is cancelled.



### Automatic operation (if equipped with anti-pinch function)

- To open: Press the switch downward firmly and the window will open completely.
- To close: Pull the switch up firmly and the window will close completely.
- To stop the window halfway, gently push the switch in the opposite direction.



### Manual operation

- To open: Press the switch down gently and hold it until the desired position is reached.
- To close: Pull the switch up gently and hold it until the desired position is reached.
- Press the window lock switch. Only the switches on the driver's side can be used to open/close the rear two windows, and the window switches on the rear row are deactivated.

- When the ignition is switched off, the power windows can continue to work for a maximum of 10 minutes. If any front door is opened halfway, the four windows will stop working.

### Window Lock Switch

Press the window lock switch. Only the switches on the driver's side can be used to open/close four windows; the window switches in the rear row are deactivated. Press the switch a second time, and the rear window switches work normally.

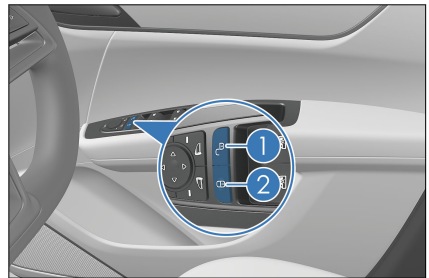


### Central Locking

The driver's door is equipped with power door lock switches. The switches can lock or unlock all doors.

Press  to lock all doors.

Press  to unlock all doors.



## Anti-pinch Function\*

If someone or an object is caught by the window when it is rolling up, the window stops and rolls down automatically.

### WARNING


- Excessively frequent activation of the anti-pinch function can activate the regulator motor's overheat protection.
- Never try to deliberately activate the anti-pinch function.
- The anti-pinch function may not work if an object is jammed into the window when it is almost completely closed.
- Contacting a BYD authorized dealer or service provider for maintenance is recommended if the windows' automatic closing function or anti-pinch function is not working normally.


## Initialization of anti-pinch function

- If the low-voltage battery is disconnected while a window is being rolled up or down, the automatic rolling-up and anti-pinch functions of the driver's door both cease to work and the indicator flashes. In this case, initialize the settings as follows:
  - Pull and hold the window control switch for the first time, so that the window rises to the top for stalling for at least 400 ms. Release it when the window rises to the top. Then, the indicator on the window control switch changes from flashing to lighting and the initialization has been completed.

## Side Mirror Adjustment Buttons\*

### Side mirror selection buttons

 Left side mirror button

 Right side mirror button

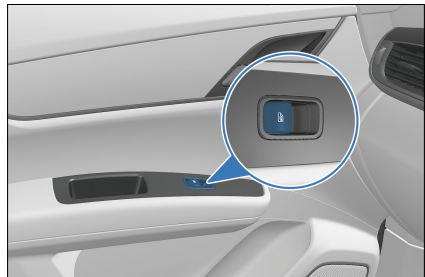
### Side mirror adjustment control

Press this button to adjust the side mirror lens to a right position.



## Window Control Switch on Passenger Side

When the ignition is on, use the front left and rear door window switches to operate the respective windows.



## Driver Assistance Switches

The driver assistance switches include blind spot detection (BSD) switch and automatic vehicle hold (AVH) switch.

① BSD switch

Press this switch to activate blind spot detection (see **P114** for details).

### ② AVH Switch

Press this switch to activate automatic vehicle hold (see **P97** for details).



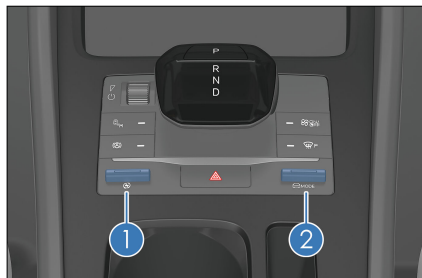
## Mode Switches

### ① Regenerative braking adjustment lever

- Toggle up the lever to increase regenerative braking force.
- Pull the lever down to trigger standard regenerative braking.

### ② Driving mode stick

- Available driving modes include economy mode (ECO), sports mode (SPORT), normal mode (NORMAL), and snow mode. Using the stick, choose among the different modes shown on the cluster to suit your different needs.





Snow mode

- This mode is recommended on fairly strong surfaces that are covered with a layer of loose and slippery materials (e.g., grass, snow, ice, or gravel).
- In snow mode, traction and control features are optimized, but it is recommended to press the accelerator pedal slowly and control the speed.

### ⚠ CAUTION

- ESC system may limit the vehicle's torque, therefore, temporarily shutting down it may help if the vehicle skids and gets stuck in soft snow. The ESC system must be restarted after conditions are back to normal.

## Hazard Warning Light Switch

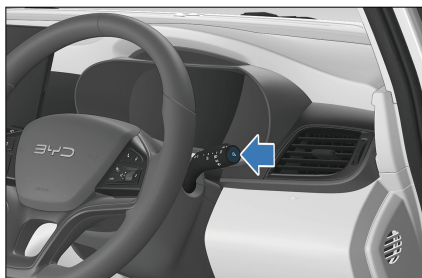
When the  button is pressed, all turn signals and turn signal indicators on the instrument cluster start flashing. They all stop flashing when the  button is pressed again.



## Odometer Switch

- Press the odometer switch to switch between "Total Mileage" - "Mileage 1" - "Mileage 2" - "Total Mileage". The switching status is displayed accordingly on the instrument cluster.

- Press and hold "Mileage 1" and "Mileage 2" to clear the mileage information.

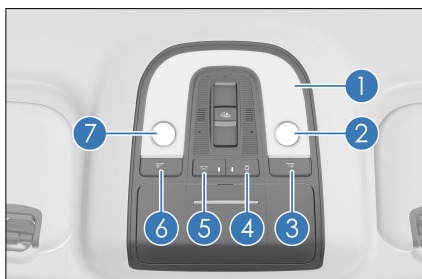


## Interior Light Switch

### Front Interior Lights Switches

Front interior lights switches are as shown in the illustration:

- ① Greeting light
- ② Right front interior light
- ③ Right front interior light switch
- ④ DOOR control switch
- ⑤ Interior light master switch
- ⑥ Left front interior light switch
- ⑦ Left front interior light



### Turn on/off all front interior lights

When the ignition is switched off, press ⑤, and all the front interior lights turn on for several minutes and then turn off

automatically, so as to avoid continuous discharge of the low-voltage battery.

### Turn on/off the left front interior light

When the ignition is switched off, press ⑥, and the front left interior light turns on for several minutes and then turns off automatically, so as to avoid continuous discharge of the low-voltage battery.

### Turn on/off the right front interior light

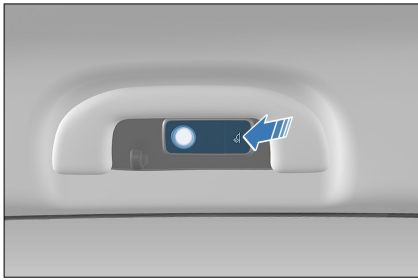
When the ignition is switched off, press ③, and the front right interior light turns on for several minutes and then turns off automatically, so as to avoid continuous discharge of the low-voltage battery.

### DOOR control button

When the switch ④ is pressed and the working indicator is on, the left/right front interior lights and the greeting light will turn on when any door is opened or closed. If any door is opened all the time, the left/right front interior lights and the greeting light will turn on for several minutes and then automatically turn off.

### Side Interior Light Switch

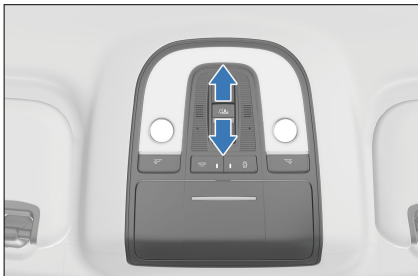
- When the ignition is switched off, press the switch for side interior lights, the lights turn on for several minutes and then turn off automatically, to avoid continuous discharge of the low-voltage battery.
- If the working indicator for the door control switch is on, the side interior lights will turn on when any door is opened or closed. If any door is opened all the time, the side interior lights will turn on for several minutes and then automatically turn off.



## Sunshade Switch\*

### Sunshade Switch\*

- Pull the switch to the rear of the vehicle to open the sunshade. Gear one is manual. Release the switch midway to stop the sunshade at its current position. Gear two is automatic. Push the switch again during the action to freeze the sunshade in place.



- Pull the switch to the front of the vehicle to close the sunshade. Gear one is manual. Release the switch midway to stop the sunshade at its current position. Gear two is automatic. Push the switch again during the action to freeze the sunshade in place.

### Sunshade Anti-pinch

When the sunshade is being closed, if an object is detected and its resistance is

larger than the set value, the sunshade will stop and slightly retract.

### Initialization of anti-pinch function

- If the low-voltage battery is disconnected while the sunshade is opening or closing, the automatic closing and anti-pinch functions both cease to work. In this case, initialize the settings as follows:
  - Press and hold the sunshade closing switch to make the sunshade run to the fully closed position and stall for 0.4 seconds. The sunshade initialization is then complete.

### WARNING

- Excessively frequent activation of the anti-pinch function can activate the sunshade motor's overheat protection.
- Do not intentionally activate the anti-pinch function by jamming any part of your body into the window.
- The anti-pinch function may fail to work if an object is caught right before the sunshade is fully closed.
- Contacting a BYD authorized dealer or service provider for maintenance is recommended if the sunshade automatic closing function or anti-pinch function is not working normally.



# 04

## **USING AND DRIVING**

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# Charging/ Discharging

## Charging Instructions

### Charging Safety Warnings

- Charging equipment uses high-voltage current. Minors are prohibited to charge the vehicle or touch the charging equipment. Keep them away from the vehicle during charging.
- Charging may affect medical or implanted electronic devices. Consult the device manufacturer before charging.
- Charge the vehicle in a relatively safe environment, and avoid charging in damp areas, or areas with fire or heat sources.
  - Protect the charging equipment against water contact on rainy days.
- Before charging:
  - Ensure that the charging connector and charge port are free of defects, such as cable wear, rusted ports, cracked casings, or foreign objects in the ports.
  - Do not charge the vehicle when the metal terminals of the charging connector and charge port are loose or damaged by rust or corrosion.
  - When the charging connector and charge port is visibly stained or damp, wipe them with a dry and clean cloth to ensure the connection is dry and clean.
- Use charging equipment that complies with local standards.
  - To avoid charging failure or fire, do not modify, disassemble, or repair the charging equipment and related

ports. Contact a BYD authorized dealer or service provider for handling if there is a fault.

- Ensure the quality of products.
- Do not operate with wet hands, because it may cause electric shock and personal injury.
- If anything abnormal is found in the vehicle or charging equipment during charging, stop immediately and contact a BYD authorized dealer or service provider.
- Always observe the following charging precautions to prevent damage to the vehicle:
  - Do not shake the charging connector, otherwise the vehicle charge port may be damaged.
  - Whenever possible, do not charge the vehicle in a thunderstorm, under risk of lightning strikes.
- Do not open the hood for maintenance while charging.
- After charging, do not disconnect the charging equipment with wet hands or while standing on any wet surface.
- Before driving, ensure that the charging equipment is disconnected from the charge port.

### Charging Precautions

- When the SOC bar on the instrument cluster turns red, the high-voltage battery is about to be exhausted. Please charge it immediately, otherwise the service life of the high-voltage battery will be reduced.
- Avoiding damage to the charging equipment (precautions for charging equipment):
  - Prevent the charging equipment from any mechanical impact.

- Do not place the charging equipment near heaters or other heat sources.
- Never drop the equipment or move it by pulling it directly by the cable. Take caution when moving the equipment.
- Before charging:
  - Make sure that the charging connector and charge port are free of foreign objects, and that the protective cap of the charging connector terminal does not get loose or deformed.
  - Hold the charging connector, align the connector with the charge port and push it in, making sure that they are properly connected.
- When charging is complete:
  - Stop charging first and make sure the charge port is unlocked.
  - Hold the charging connector with one hand and remove the connector by pressing and holding its button.
  - Do not force the charging connector out while the charge port is locked, otherwise the charge port may be damaged.
- Switch the ignition off before charging.
- The vehicle can be powered on to turn on the A/C while charging. However, to ensure the charging power, this is not recommended.
- It is recommended to park the vehicle in a ventilated area during charging. It is recommended that no one stay in the vehicle.
- During charging, the estimated remaining time to full charge is displayed on the instrument cluster. It is normal that this charging time may vary slightly across temperatures, SOC, and charging facilities. Before charging is completed, "Calculating..." is displayed on the instrument cluster.
- The vehicle system automatically stops charging when the high-voltage battery is fully charged.
- To stop DC charging in advance, turn off the charger before disconnecting the charging connector.
- When charging is complete and the charging connector is unplugged, make sure that the charge port's cap and door are closed, otherwise water or foreign materials may enter the port and affect its normal use.
- Before starting the vehicle, be sure to unplug the charging equipment. The vehicle is ready to drive even if the charging connector is left plugged but not fully locked, which may damage the charging equipment and the vehicle.
- If the vehicle is to be parked for a lengthy period of time, charge it every three months and, to prolong the service life of the high-voltage battery, charge fully before starting it again (see battery usage tips for details).
- If the charge port door is frozen due to weather or other reasons, it is suggested to warm it with hot water and then open the port, do not force it open.
- Battery temperatures that are too low or too high compromise vehicle charging performance.
  - For faster low-temperature DC charging, charging from low SOC is recommended because, due to the low battery temperature, the charging current is small for vehicles with high SOC in low-temperature environments.
- To improve your experience, it is recommended to charge the vehicle immediately after using it, as the

battery is relatively hot and has better charging performance.

- In low-temperature regions, it is better to charge the vehicle in a heated indoor space. In high-temperature regions, charging in a cool and ventilated place is recommended.
- Turning A/C on during low-temperature charging compromises charging performance.
- When the cooling function is enabled during charging, it is normal that both charging time and power consumption increase slightly.
- During charging, battery cooling may start, and the compressor, fan and other components work when necessary. It is normal that there will be some noise under the hood.
- During charging, when the battery cooling is activated, it is normal that the charging power displayed by the instrument cluster decreases or fluctuates for a short time.
- Before charging is complete, battery equalization is activated for longer battery life and thus the charging time may be longer.
- In case of high-temperature high-power DC charging, the performance of battery temperature control system may be affected by the A/C in the passenger compartment, and the charging performance may degrade, resulting in an extended charging time. To ensure charging efficiency, it is recommended to keep the A/C off during charging.
- If the charging connector is frozen due to cold weather, it is recommended to use proper tools to separate the connector from the charging port.

### REMINDER

- Do not open the charge port door forcibly when it is locked.
- Do not forcibly insert the connector with the electric lock engaged.
- Do not close the charge port door when the port cap is fully open.
- When the vehicle is charged with an external power supply, it is normal that the cooling fan and A/C compressor may operate automatically for the high-voltage battery to cool down.

### Charging Method

The pure electric vehicle is driven by electric energy supplied from the high-voltage battery. To prevent insufficient power of the high-voltage battery affecting the vehicle driving experience, it is very important to charge the vehicle in time and estimate the power demand before driving.

#### Charging method:

1. Using Mode 2 Charging Cable\*
2. Using AC Charging Piles\*
3. Using DC Chargers
  - The charging time of the high-voltage battery varies with the charging method, current SOC, real-time temperature, service time, ambient temperature and other conditions.
  - Use charging equipment that complies with local standards.

#### Charging Mode

- Scheduled charging (for AC charging only): Charge the vehicle regularly at a scheduled charging time set by the

user. See scheduled charging settings in this chapter for details.

- Instant charging: Charging starts after the charging connector is connected.

### General Charging Troubleshooting

Fault	Possible Cause	Solution
Charger is connected, charge starts, but battery will not charge.	The high-voltage battery has been fully charged.	When the high-voltage battery is fully charged, the charging will stop automatically.
	High-voltage battery temperature is too high or too low.	Keep the vehicle in an environment with appropriate temperature and charge it when the temperature becomes normal.
	Low-voltage battery over-discharges.	Replace the low-voltage battery.
	Charging equipment fails.	If it is verified that the charging equipment's power indicator is working properly, or that there are no other unusual indications, change the charging equipment or contact the charging equipment supplier.
	Vehicle display fails.	Verify that there is a charging system fault message on the instrument cluster, then stop the charging. It is recommended to contact a BYD authorized dealer or service provider.
Charging stops midway.	The power grid goes down.	Charging will restart automatically after power is restored.
	Charging cable is not connected properly.	Verify that the charging connection cable is not loosely connected.
	Charging connector switch is pressed.	If the charging connector switch is pressed, the charging will stop. Plug in the connector again to start charging.
	High-voltage battery temperature is too high or too low.	If the instrument cluster shows that EV function is limited, the charging will automatically stop. Charge the vehicle when the battery temperature returns to a normal level.
	Vehicle or charging pile fails.	If there is any fault prompt for the charging pile or the vehicle, it is recommended to contact a BYD authorized dealer or service provider.

# Charging

## Using Mode 2 Charging Cable\*

### 1. Equipment

- Connect the vehicle to an outlet that meets local standards to charge the vehicle.
- A household socket meeting local standards must be used in order to avoid line damage or tripping due to high-power charging, which may affect the normal use of other devices.
- This mode 2 charging cable includes a power plug (complying with local standards), a charging connector, a control box, and a charging cable. The plug is connected to a standard household power socket, and the charging connector to the vehicle's charge port.
- Charging time: Refer to the charging time message on the instrument cluster.

#### **WARNING**

- See "Charging Instructions" for charging safety warnings.
- The highest working temperature allowed for the product is 50°C. Store the product in a cool and dry place when it is not in use.
- When charging, do not place the equipment in the trunk, under the front of the vehicle, or near the tires.
- When using the equipment, prevent it from getting rolled over by the vehicle, dropped, or trampled on.
- It is strictly prohibited to modify, disassemble, or repair the charging equipment and its ports.

#### **WARNING**

- It is not recommended to use any additional wire or adapter/connector. If an additional adapter is required, choose a suitable cable diameter ( $\geq 1.5 \text{ mm}^2$ ) and the adapter/connector parameters must meet requirements.
- Never use the charging equipment if the household power strip cable becomes soft, if the charging connector cable is worn out, if the insulation layer is cracked, or in case of any other damage.
- Never use the equipment when the charging connector, power plug, or power strip is disconnected or broken, or if there is any sign of surface damage.

#### **CAUTION**

- The charging cable cannot be placed in a spiral during charging, as this will affect heat dissipation.
- See the charging instructions for specific charging precautions.

#### **REMINDER**

- Contact a BYD authorized dealer or service provider, or a BYD authorized technician, to select the appropriate power supply according to the requirements of the charging equipment.
- Charging equipment grounding instructions: The equipment must be properly grounded. In the event of failure or damage to the equipment, the grounding cable provides a minimum impedance

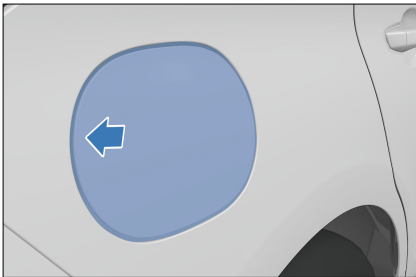
**! REMINDER**

to circuit discharge and thereby reducing the risk of electric shock.

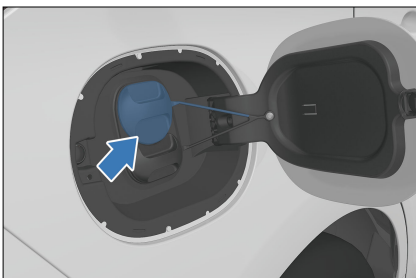
- The equipment comes with a ground cable connecting its ground point with that of the power plug, which must match a properly installed and well-grounded power supply outlet.


**2. Charging**

- With the vehicle doors unlocked and preferably powered off, press the charge port door to open it.



- Open the charge port cap and the protective cover of the charging connector, and make sure that no obstacles exist between the head of the charging connector and the end of the charging socket.

**! REMINDER**

- Do not open the charge port door forcibly when it is locked.
- Connect the power supply terminal:
  - Plug the mode 2 charging cable into a household socket.
- Connect the vehicle port:
  - Plug the charging connector correctly into the port.
  - After the charging connector is inserted, the charging connection indicator  lights up on the instrument cluster or infotainment touchscreen.

**! REMINDER**

- Do not try to forcibly plug the connector with the anti-theft lock engaged.
- In the charging process, the instrument cluster displays relevant charging parameters and the charging sign.
  - At this point, you can schedule charging on the infotainment touchscreen. See "Scheduled Charging" for the configuration process.

**! REMINDER**

- During charging, the estimated remaining time to full charge is displayed on the instrument cluster or infotainment system. It is normal that the remaining time to full charge may vary slightly depending on the temperatures, SOC, and charging facilities.

### REMINDER

- Reservation charging cannot be used when the remaining battery is too low.

### 3. Stopping charging

- End the charging:
  - The charging automatically ends when the vehicle is fully charged.
  - To end the charging early, proceed to the next step.
- Unplug the charging connector:
  - If the anti-theft mode of the electrical lock is deactivated, directly pull out the charging connector.
  - If the anti-theft lock is active, press the unlock button on the key or press the door handle microswitch (when the key is nearby), then pull out the charging connector.

### REMINDER

- To unlock the vehicle, press the unlock button on the key (when charging the vehicle with ignition switched off) or press the microswitch on the door handle (when the key is nearby).
- Unlock the vehicle to deactivate the anti-theft lock before pulling out the charging connector. The connector has to be pulled out within 30 seconds, or the port will re-lock.
- You can activate the anti-theft lock on the infotainment touchscreen, as detailed in "Charge Port Anti-theft Lock" in this chapter.
- If the charging connector cannot be removed after unlocking,

### REMINDER

try a few more unlocking attempts. If that does not work, try emergency unlocking. For the operating procedure, see "Emergency Unlocking of the Charge Port" in "Charge Port Anti-theft Lock".

- When the charge port's anti-theft mode is deactivated, if you cannot pull the charging connector out directly, try to unlock the vehicle and pull it again.
- Disconnect the power plug.
- Close the charge port cap and the port door.
- Store the charging equipment properly.

### REMINDER

- When the port cap is fully open, do not close the charge port door.

## Using AC Charging Piles\*

### 1. Equipment

- Single-phase AC charging pile\*
  - Charge the vehicle using a single-phase AC charging pile in a public place. Since some charging piles are not equipped with charging connectors, AC charging connectors need to be prepared.
- Three-phase AC charging pile
  - Charge the vehicle using an AC charging pile in a public place, such as large supermarkets, shopping malls and parking lots.
  - Charging time: Refer to the charging time message on the instrument cluster.

**WARNING**

- See section "Charging Instructions" for charging safety warnings.

**CAUTION**

- Be careful where you park the vehicle before charging, and do not stretch the cable when charging.
- If you need to stop charging before the battery is fully charged, try to use early stop set for the charger first instead of directly unplugging the charger.
- See the charging instructions for specific charging precautions.

**REMINDER**

- If power supply resumes after short-time outage of the external power grid, BYD charging equipment will re-start charging automatically and no re-connection of the charging equipment is required.
- The equipment must be properly grounded. In the event of failure or damage to the equipment, the grounding cable provides a minimum impedance to circuit discharge and thereby reducing the risk of electric shock.

**2. Charging**


Connect the vehicle to the AC charge pile/box by the charging connector of this pile/box to begin charging.

Instant charging method:

- Unlock the charge port door, then open the port door and cap:

- With the ignition off, open the charge port door.
- Take out charge port caps, and make sure that no obstacles exist between the head of the charging connector and the end of the charging socket.
- Connect the vehicle port:
  - Plug the charging connector into the port and make sure it is tight.

**REMINDER**

- Do not forcibly insert the connector with the electric lock engaged.
- Charging settings:
  - Skip this step if a public AC charging pile without any setting option is used.
  - For single-phase AC charging pile/box subject, swipe the card or scan the QR code. See the user manual for charging pile/box for details.
- The charging connection indicator  lights up on the instrument cluster.
- In the charging process, the instrument cluster displays relevant charging parameters and the charging sign.
  - At this point, you can schedule charging on the infotainment touchscreen. See scheduled charging for the configuration process.

**CAUTION**

- Reservation charging cannot be used when the battery is too low.

**3. Stopping charging**

- End the charging:

- Charging ends automatically when early stop time is due or charging is complete.
- Unplug the charging connector:
  - Pull the charging connector after the anti-theft lock is disabled.

### REMINDER

- To unlock the vehicle, press the unlock button on the key (when charging the vehicle with ignition switched off) or press the microswitch on the door handle (when the key is nearby).
- Unlock the vehicle to deactivate the anti-theft lock before pulling out the charging connector. The connector has to be pulled out within 30 seconds, or the port will re-lock.
- You can activate the anti-theft lock on the infotainment touchscreen, as detailed in "Charge Port Anti-theft Lock" in this chapter.
- If the charging connector cannot be removed after unlocking, try a few more unlocking attempts. If that does not work, try emergency unlocking. For the operating procedure, see "Emergency Unlocking of the Charge Port" in "Charge Port Anti-theft Lock".
- Insert the charge port cap back and close the vehicle charge port door.
- Store the equipment properly.
  - If using an AC charging pile/box, place the charging connector in its designated location in the charging pile/box.

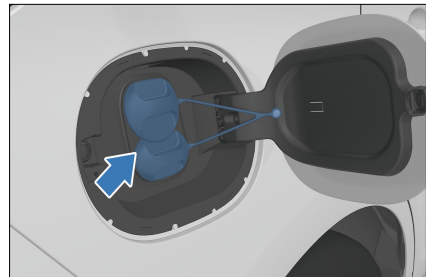
## Using DC Charging Piles


### 1. Equipment

- Charge the vehicle using a DC charging pile in a public place. The pile is usually installed at a specific charging station.
- Equipment specifications: Please check the instructions for the charger.
- Charging time: Refer to the charging time message on the instrument cluster or infotainment touchscreen.

### 2. Charging

- Unlock the charge port door, then open the port door and cap.
- Connect the vehicle port:
  - Plug the charging connector into the port and lock it.
- Operate the charging equipment to start charging.



- The charging connection indicator  lights up on the instrument cluster.
- In the charging process, the instrument cluster displays relevant charging parameters and the charging sign.

### 3. Stopping charging

- End the charging:
  - Charging ends automatically when early stop time is due or the charging is complete.

- Unplug the charging connector:
  - Press the mechanical lock button of the DC charging connector to pull out the connector.
- When the DC charging pile charging is complete, organize the charging equipment and store the charging connector in its designated position properly.
- Reinsert the DC charge port cap and close the port door.




### ⚠ CAUTION

- If the charging connector cannot be removed after unlocking, try a few more unlocking attempts. If that does not work, try emergency unlocking (see **P82**).
- To unlock the charge port after DC charging, press the unlock button twice within three seconds for the operation to be successful.
- See the charging instructions for specific charging precautions.

### ! REMINDER

- Do not close the charge port door when the port cap is fully open.

## Scheduled Charging

- The charging mode can be set on the infotainment touchscreen. To access the setting:
  - Go to infotainment touchscreen →  → **New Energy**. The scheduled charging screen is displayed.
- To exit the Scheduled Charging screen, tap  or .

## Setting screen

- ① Scheduled charging switch

- ② Charging time

- ③ Repeat cycle

- ④ Settings



- The factory default setting is to charge the vehicle immediately and scheduled charging is disabled.
- To schedule a charging, toggle the scheduled charging ON ①, set the charging start time ② and repeat cycle ③, then save the settings.
- After the schedule is set up successfully, if you connect the charging connector or press the power button to power off the vehicle during the charge waiting period, you will be reminded through the infotainment touchscreen that scheduled charging has been set. Switch to instant charging if needed.
- You can tap the scheduled charging setting icon ④ to turn off the charging connector connected alert and power-off alert in the **Scheduled Charging Alert**.

### ⚠ CAUTION

- The reservation charging function is developed for BYD's slow AC charging equipment only. Please disable this function when using slow AC charging equipment that is not certified by BYD. Otherwise, scheduled or immediate charging may fail due to no response from the equipment, resulting in low



### CAUTION

SOC or even low voltage of the high-voltage battery.



### REMINDER

- The instant charging option on the reminder screen is valid for the current reservation only. To cancel all reservations, toggle charging reservation off on the corresponding setting screen.
- In the event of low battery, the vehicle is charged to the minimum level before scheduled charging begins. In this process, the infotainment system still gives reminder messages for power-off and charging connector connection, and a related message is displayed at the lower part of the instrument cluster.
- The schedule setting is invalid for DC charging. Charging begins immediately after a DC charging connector\* is connected.

## Discharging Instructions

- This vehicle is equipped with vehicle-to-load (V2L) feature\*.



### WARNING

- Do not touch any metal terminal of the discharging socket or vehicle charge port during discharging.
- Stop discharging immediately if there are any abnormalities such as peculiar smell and smoke.
- See "Charging Instructions" for charging safety warnings.



### WARNING

- Store the product in a cool and dry place when it is not in use.
- When discharging, do not place the equipment in the trunk, under the front of the vehicle, or near the tires to prevent it from falling and being rolled over by the vehicle and trampled on.
- Never use the charging equipment if the power strip cable becomes soft, the charging connector cable is worn out, the insulation layer is cracked, or any other damage occurs.
- Never use the device when the discharging connector or power strip is disconnected or broken, or when there is any sign of surface damage.



### CAUTION

- For precautions concerning use of the discharge connection device, please refer to the precautions for charging equipment included in item 3 of "Charging Precautions".
- Before discharging, please confirm the vehicle SOC and estimate the remaining driving range.
- Before V2L discharging, ensure that the load is turned off.



### REMINDER

- The V2L function is recommended only when the vehicle SOC is high.
- The V2L function is restricted when the vehicle SOC is low.

### REMINDER

- When the vehicle is powered off, the static power consumption of the vehicle will increase if the V2L connection device is connected for an extended period without any output. Therefore, removing the discharging connector is recommended when the device is not used.

## External Discharging

### 1. Starting discharging

- Before discharging, disarm the anti-theft alarm system.
- Unlock the charge port door, then open the port door and cap.
- Check before discharging:
  - Ensure that the battery capacity of the vehicle to be discharged is not below 15%.
  - Ensure the V2L connecting device casing is not cracked, and its plug is free from rust or obstructions.
  - Ensure that there is no water or foreign material inside the charge port and that metal terminals are not damaged and free from rust or corrosion.
  - Do not discharge if the above second or third condition is found; otherwise, short circuit or electric shock so caused could lead to personal injury.
- Connect the discharge connection device:
  - Connect the V2L discharge device to the charge port. The power strip indicator lights up when the strip is powered and ready for use.
- Discharging starts:
  - After the connection is made, discharge begins and respective information is displayed on the instrument cluster.

### 2. Stopping discharging

- Stop discharging:
  - Disconnect the load.
- Disconnect the discharge connection device:
  - Unplug the discharging device.
  - Close the charge port cap and the port door.
- Organize the equipment:
  - Store the equipment properly when discharging is complete.

## Intelligent Charging


- When the low-voltage battery manager detects that the battery level is too low, the low-voltage battery can be charged with the high-voltage battery.

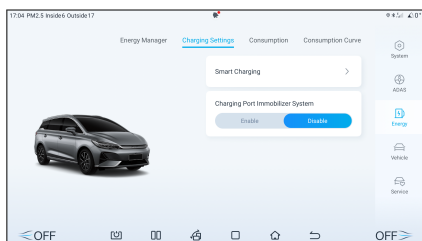
### REMINDER

- When the vehicle is stored for a long time, the intelligent charging function may be activated, which is normal and not a vehicle failure.
- Power for intelligent charging comes from the high-voltage battery pack, so it is normal that an SOC decrease is noticed when the vehicle is powered on.
- To avoid high-voltage battery over-discharging due to intelligent charging, when the vehicle is at low SOC, intelligent charging is not available. Avoid parking at low SOC for a long time, and charge the vehicle in time.

## Charge Port Anti-theft Lock

In order to prevent the charging connector from being stolen, the charge port of this vehicle is anti-theft during charging. This function is disabled by default. To enable the function, follow these steps:

- Go to the infotainment touchscreen →  → **New Energy** to turn on the charging port lock.
- When the anti-theft mode of charge port electric lock is activated, the charging connector will lock if you connect it to the vehicle. The four doors and the trunk are also locked. To disconnect the connector, you need to unlock the four doors.



### CAUTION

- The connector needs to be pulled out within 30 seconds after it is unlocked. Otherwise, the electric lock will lock again.
- After the vehicle is fully charged, the charging connector will be automatically unlocked when the anti-theft mode of the charge port is disabled. When this mode is enabled, the charging connector must be manually unlocked following the above steps.

### REMINDER

When the anti-theft mode of the charge port is enabled and disabled, the charging connector is locked during charging. Unlock the vehicle in the following ways:

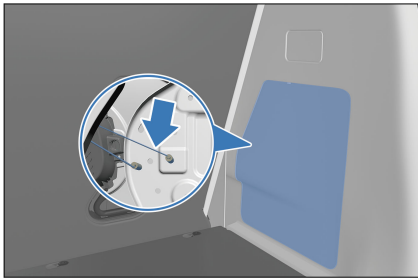
- When the vehicle is being charged with the ignition off, press the unlock button on the smart key to unlock.
- Press the microswitch next to the exterior handle of the driver's side door to unlock (with the smart key nearby).
- Press the window control switches on the driver's side door to unlock.

## Emergency Unlocking of the Charge Port

When charging connector cannot be unplugged due to failure of the anti-theft lock, unlock the charge port manually.

### AC charge port lock latch

1. Open the trunk lid. There is an emergency lock latch for the charging connector on the right side panel inside the trunk.
2. Remove the access cover on the right, and pull the latch to unlock the charging connector.
3. Restore the access cover after unlocking.



## Battery

### High-Voltage Battery

- The vehicle is powered by a high-voltage battery that can be charged and discharged repeatedly. The high-voltage battery is charged by an external power source or through energy recovery when the vehicle brakes or coasts.
- The high-voltage battery is located under the vehicle floor, so be careful and slow down to avoid bumping when driving on bumpy or uneven roads. If bumping occurs, go to a BYD authorized dealer or service provider for maintenance.

#### Battery Properties

- It is normal that vehicle performance is affected by battery electrochemical properties and self-protection and varies to some extent in the following conditions:
  - When SOC is high, the regenerative braking performance may decline.
  - The vehicle switches to trickle charging mode at high SOC. If the charging time is prolonged, the estimated remaining charging time displayed on the instrument cluster may not be accurate.

- When SOC is low, the acceleration performance may decline.
- At high or low temperatures, it is normal that the charging and discharging capabilities of the high-voltage battery decline, and the charging time is prolonged. For fast charging, high-power charging equipment is recommended. Power performance may also decline under extreme temperatures.

- Usable capacity of the high-voltage battery is lower in cold weather and reduces as the temperature decreases. If the vehicle with high battery level is charged at low temperatures, the SOC may quickly jump to 100%.

- When the high-voltage battery is normal, the driving range of the vehicle varies with the following factors:
  - Driving habit: For example, the range in frequent acceleration or deceleration is shorter than that at constant speeds, and the range is shorter when driving at high speeds than when at low speeds.
  - Road conditions: For example, the range driven in rough conditions or on long slopes is shorter than that in normal conditions and on even roads.
  - Temperature: The driving range at low temperatures is shorter than that at ambient temperatures.
  - Use of electric equipment: For example, the range driven with A/C on is shorter than that with A/C off.
- The available battery capacity decreases as the vehicle is used over time.

## Battery Usage Tips

- It is recommended to use the vehicle at temperatures between -10°C to 40°C. When SOC is low, timely charge the vehicle to ensure enough driving range and good acceleration performance.
- To ensure long term performance, avoid driving in extreme temperatures for over 24 hours.
- In low ambient temperatures, if the vehicle must be stored for a long time, it can be placed in an underground garage or other warmer area to reduce loss of battery heat, maintaining vehicle performance.
- Frequent and sudden acceleration or deceleration should be avoided. Drive the vehicle on flat and dry roads. When necessary, turn off high-power equipment such as A/C or adjust the A/C temperature to reduce power consumption of such devices and increase the driving range.
- When the vehicle is used for the first time or after a long idle period, the SOC displayed on the instrument cluster may not be correct. It is recommended to fully charge the vehicle first.
- For optimal battery performance, use a charging connector to fully charge the battery regularly, and the recommended frequency is once a week at least.
- Under extreme working conditions (such as frequent sudden acceleration/ deceleration) that cause battery overheating, if the temperature of high-voltage battery is excessively high, it is normal for discharging capability to decrease gradually. If the battery temperature keeps rising, the fault warning light lights up on the instrument cluster. In that case,

it is recommended to contact a BYD authorized dealer or service provider.

- When the battery SOC increases or decreases abnormally, it is recommended to contact a BYD authorized dealer or service provider for inspection.

### **WARNING**

In the event of an emergency or accident, be aware of the following warnings:

- To avoid personal injury, do not touch the high-voltage battery directly.
- It is recommended to contact a BYD authorized dealer or service provider as soon as possible.
- If the high-voltage battery is damaged and leaking fluid, avoid any contact with the fluid. If it comes into contact with skin or eyes, rinse immediately with plenty of water, and seek immediate medical attention.
- If the vehicle catches fire, use dedicated fire extinguishers instead of water-based fire extinguishers.

### **WARNING**

- To ensure safety of the high-voltage battery, stop the vehicle away from flammable and explosive materials, ignition sources and various hazardous chemicals.
- Prolonged exposure to heat sources and direct sunlight reduce the service life of the high-voltage battery.

### WARNING

- When the vehicle is not to be operated for an extended period (over seven days), it is recommended that the battery SOC should be kept at 40%-60% to prolong its service life. When the vehicle is not to be operated for over three months, the high-voltage battery must be fully charged and then discharged to 40%-60% every three months. Otherwise, over-discharge may lead to battery performance degradation or even damage. Any vehicle fault or damage so caused are not warranted.
- If there is a collision with the high-voltage battery, contact a BYD authorized dealer or service provider immediately for maintenance.

### Recycling the High-Voltage Battery

How to scrap an NEV:

1. Take the vehicle to the BYD recycling service provider that will assess the residual value of the high-voltage battery.
2. Take the assessed vehicle to the recycling organization to disassemble the high-voltage battery.
3. Take the battery to the recycling service provider which will buy back the battery.

### WARNING

- New energy car owners have the responsibility and obligation to hand over waste high-voltage batteries to the recycling service outlet. Anyone who hands over a used high-voltage battery to any

### WARNING

other organization or individual, or removes/disassembles a high-voltage battery without authorization, shall be liable for any environmental pollution or safety incident so caused.

## Low-Voltage Battery

- Open the hood to find the two poles of the low-voltage battery, the positive terminal and negative terminal.
- To prevent the SOC of the low-voltage battery becoming too low, the intelligent charging function is triggered automatically when conditions are met (ignition off, high-voltage battery discharging allowed, and low-voltage battery level below the design value).
- If the "intelligent charging" fails, and the vehicle is idle for a period of time, the low-voltage battery may not be able to power on the vehicle as the low-voltage power supply. In that case, contact a BYD designated maintenance agency promptly.
- Check low-voltage battery conditions monthly, and check for terminal corrosion.
- If the terminals are corroded, pour soda water on them. Bubbles generate and the soda water gradually turns brown. When the bubbles dissipate, rinse the brown water and wipe them with a dry cloth. Apply some grease to prevent further corrosion.
- If the connector becomes loose, tighten the clamp nut, but do not over-tighten it. Tighten the pressing tool until it securely fixes the low-voltage battery in place. Over-tightening


will damage the low-voltage battery compartment.

 **WARNING**

- Since the low-voltage battery may produce combustible and explosive hydrogen gas, use tools in such a manner that the battery would not produce sparks. Do not smoke or use open flames near the battery.
- Avoid electrolyte contact with eyes, skin or clothing.
- In case of mouth contact with the electrolyte, seek medical attention immediately.
- Wear goggles at all times when working near the low-voltage battery. If electrolyte gets into the eyes, rinse with plenty of fresh water and seek medical assistance immediately.
- Keep children away from the low-voltage battery.
- If electrolyte contacts bare skin, rinse the contact area with baking soda. Seek medical assistance immediately if you experience any painful or burning sensations.
- Electrolyte may seep in, and contact the skin, if they come into contact with clothing. All contaminated clothes must therefore be removed immediately. Follow the instructions above if needed.
- If the low-voltage battery needs to be connected to other chargers, the positive and negative cables should be disconnected to prevent damage to the vehicle electrical system.

 **WARNING**

- Charging the low-voltage battery during cable connection may seriously damage the electronic controls. Remove the low-voltage battery cable before connecting the low-voltage battery to the charger.
- If the low-voltage battery is exhausted, the clock and preset channel settings in the audio system will be cancelled. You need to reset the clock and preset channels.

 **CAUTION**

- When checking the low-voltage battery, remove the ground cable from the negative terminal (-) first, and reconnect it last.
- Try to avoid shorting electronic components when using tools.
- When cleaning the low-voltage battery, make sure to avoid any fluid getting inside.

 **REMINDER**

- Be sure to replace a low-voltage battery with insufficient electrolyte. Do not add electrolyte by yourself.
- When leaving the vehicle, make sure the doors are closed and all electrical equipment is turned off.
- If the vehicle needs to be parked for a long time, please disconnect the negative terminal wire.

# Usage Precautions

## Break-in Period

- If the powertrain is hard to start or frequently stops turning, inspect the vehicle immediately.
- If the powertrain makes any abnormal sounds, stop the vehicle for inspection.
- If the powertrain has severe coolant and oil leakage, stop the vehicle for inspection.
- The powertrain needs break-in. It is recommended that this be done within the first 2,000 km in economic mode by smoothly driving, instead of high-speed driving. The following practices can effectively prolong vehicle service life:
  - Avoid flooring the accelerator pedal when starting and driving the vehicle.
  - Avoid speeding.
  - Avoid emergency braking within the first 300 km.
  - Do not maintain a high or low speed for too long.
  - Do not use the vehicle to tow other vehicles within the first 2,000 km of mileage.

## Trailer Towing

- This vehicle is designed to carry passengers. Do not overload it or use it to tow other vehicles.
- Towing other vehicles has an adverse impact on the maneuverability, performance, braking, endurance, driving economy, power consumption, and other aspects of performance of the vehicle itself.

- Driving safety and comfort totally depend on equipment usage and good driving habits.
- BYD does not provide free warranty for the damage or faults resulted from the trailer towing.

## Driving Safety Precautions

### No Drunk Driving

Even a small amount of alcohol can reduce a driver's ability to respond to traffic condition changes. The higher the level of alcohol, the less responsive the driver will be. Therefore, never drive while under the influence.

### No Speeding

Speeding is a major cause of fatal accidents. Faster speeds generally entail higher risk. Therefore, maintain a speed safe for the road traffic conditions.

### Keeping the Vehicle Safe for Driving

Tire bursts and mechanical faults are extremely dangerous. To reduce the possibility of such faults, frequently check the vehicle's condition, and regularly complete the specified inspections.



### CAUTION

- Any driver must possess a driver's license before driving a vehicle.
- Do not drive when fatigued.
- Always follow the traffic regulations when driving a vehicle.
- When driving, drivers must stay focused and not carry out any unrelated activity, such as



## CAUTION

answering calls or adjusting buttons.

## Suggestions for Vehicle Use

Suggestions for prolong the battery usage:

- When the vehicle is not to be operated for over seven days, it is recommended that the battery SOC should be kept at 40%-60%, or the high-voltage battery service life may be reduced.
- When the vehicle is not to be operated for over three months, the high-voltage battery must be fully charged and then discharged to 40%-60%. Otherwise, over-discharge may lead to battery performance degradation or even damage. Any vehicle fault or damage so caused will not be warranted.
- During operation of the vehicle, if the instrument cluster displays the pure electric driving mileage as 0, it indicates the battery SOC is low. In this case, charge the high-voltage battery in time and avoid operating the vehicle with low SOC for a long time.
- For optimal battery performance, use a charging connector to fully charge the battery regularly, and the recommended frequency is once a week at least.
- To maintain long-term performance, avoid continuously exposing the vehicle to an environment with a temperature above 60°C or below -30°C for over 24 hours.
- If the tray dented inward or there is scarification under the battery package tray, it is suggested to check

at a BYD authorized dealer or service provider.

- During operation of the vehicle, avoid repeated rapid acceleration or deceleration whenever possible.
- During operation of the vehicle, avoid operating the vehicle continuously for a long time whenever possible; otherwise, the excessively high battery temperature will affect vehicle performance.
- If the instrument cluster malfunctions when driving, it is recommended to contact a BYD authorized dealer or service provider for inspection as soon as possible.
- When the high-voltage battery temperature is high, the vehicle performance will be limited to some extent. In this case, stop the vehicle and wait until the temperature drops before operating.



## REMINDER

- If the meter drops to zero, the battery must be recharged. If it is not recharged within seven days, the battery may suffer permanent damage. Such damage is not covered by BYD warranty terms.
- Driving range depends on many factors, such as the vehicle's available power, vehicle age (current battery life), weather, temperature, road conditions and driving habits. Compared with under normal temperatures, the pure-electric driving range is somewhat reduced and power performance will also be affected in low or high temperature environments.

# Saving Energy and Extending Vehicle Service Life

- Saving energy is simple and easy, and it helps prolong the vehicle's service life.
- Here are some tips for saving energy and repair cost:

## 1. Regenerative braking setting:

- The vehicle is provided with an energy regeneration function. To set the energy regeneration intensity, operate the regenerative braking mode button on the auxiliary dashboard or go to the infotainment touchscreen. In high energy recovery mode, more energy is recovered during vehicle braking and coasting. Please set to suit to your driving habits.

## 2. Maintaining constant speed:

- Constant speeds save energy. Sudden acceleration, sharp turns and emergency braking increase consumption.
- Speeds should be kept constant according to traffic conditions. Additional energy is consumed each time the accelerator is pushed.
- Acceleration should be gradual. Avoid sudden startup, acceleration, or deceleration.
- Prevent emergency braking, and subsequent brake wear, by keeping an appropriate distance from vehicles ahead, and paying attention to traffic lights.
- Congested roads increase energy consumption.
- Keep moderate speeds in motorways. The higher the speed,

the higher the consumption. Maintaining vehicle speed within the economical speed range can save power.

## 3. Reducing load:

- Consumption is higher when air conditioning is used. Turn off the A/C to reduce power consumption. When outside temperatures are moderate, use fresh air mode.
- Do not overload the vehicle unnecessarily. Excessive weights will add the load of vehicle, increasing energy consumption.

## 4. Other tips:

- Make sure tire pressure is correct. Low tire pressure increases energy consumption and wear.
- Keep front wheels properly aligned, avoid driving into curbstones, and drive slowly in rough terrain. Misalignment of the front wheels not only increases tire wear, but also increases load on the powertrain and power consumption.
- Keep the bottom of the vehicle clean and mud free. This reduces vehicle weight and prevents corrosion.

### REMINDER

- Do not coast in neutral gear.

## Carrying Luggage

- This vehicle has multiple storage spaces. Overloading or improper accommodation may affect maneuverability, stability and normal operation of the vehicle, and reduce its safety.
- The glove box, door bins and seatback pockets are designed for small and

light objects, while the trunk for large and heavy objects.

- When loading luggage, the total mass of the vehicle body, all passengers and luggage shall not exceed the maximum allowable total mass.

### **WARNING**

- Overloading and improper accommodation may affect stability and vehicle control, which may lead to accidents.
- Observe the maximum weight limit and other loading guidelines in this manual.
- Do not carry highly magnetic items, as they might interfere in the vehicle's operating functions.

## Carrying Items in the Passenger Area

- All items that could be thrown inwards and thus injure occupants in case of a collision must be properly placed and secured.
- Do not place any objects on the inner side of rear windshield. Otherwise, these objects will block the driver's line of sight and will be thrown here and there inside the vehicle in case of collision.
- Ensure that items placed on the floor behind the front seat do not roll under the seat, so as to avoid affecting the driver's ability to control the pedals or normal seat adjustment. Do not stack items to a height taller than the front seats' seatbacks.
- Make sure the glove box is always closed while driving. If the glove box is open, the occupant's knees may be injured in case of a collision or an emergency stop.

### **REMINDER**

- Do not pile up toys in the vehicle, as this may affect driving safety and present a hazard to the children, especially in case of emergency braking or collision.

## Loading the Trunk

- Place luggage evenly in the trunk. Put heavier items at the bottom and as far as possible.
- Secure items with ropes or straps so that they will not move while driving. Do not stack items to a height taller than seatbacks.
- Electrical devices are under the cover of the rear trunk, so the luggage placed on the cover is not allowed to exceed 75kg.

## Fire Prevention

**To prevent vehicle fires in a timely and effective manner, pay attention to the following during use of the vehicle:**

- No flammable or explosive items are allowed in the vehicle.
  - Temperatures may reach over 70°C in a vehicle exposed to direct sunlight in summer. Therefore, flammable and explosive items, such as lighters, cleaning agents and perfumes, stored in the vehicle can cause a fire or even explosion easily.
- Make sure cigarettes are thoroughly put out.
  - Smoking is not only harmful to your health, but can also may cause a fire. Cigarettes that not thoroughly put out may cause a fire.

- It is recommended to go to a BYD authorized dealer or service provider for regular vehicle checks.
  - Check vehicle wiring, connections, wiring harnesses, insulation, fixed position regularly. Deal with identified problems promptly.
- Do not refit vehicle wiring or add any unauthorized electrical appliance.
  - The addition of extra electrical appliances, such as high-power audio systems, light fixtures, etc., may overload and overheat the wiring harness and increase the risk of fire. Improper refitting of electrical appliances or wiring may cause a fire due to contact resistance and abnormal heating.
  - Fuses or other replacement wires in excess of relevant electrical rating are strictly prohibited.
- Select a proper parking location.
  - When the vehicle is parked, especially in summer, do check whether there are any flammables such as dry grasses, dead woods, leaves or wheat straws under the vehicle. If any, a fire may be caused.
  - When the vehicle is running, avoid driving on the road sections piled up with flammables such as dry leaves, wheat straws and grasses, or immediately stop the vehicle to check whether any flammables are carried along after passing such road sections. When parking the vehicle, try to avoid sun exposure.
- Keep a lightweight fire extinguisher in the vehicle and know how to use it.
  - In order to ensure vehicle safety, a fire extinguisher should be equipped in the vehicle, and be checked and replaced regularly. Also, you should familiarize yourself with use of the

fire extinguisher and be prepared for any accidents.

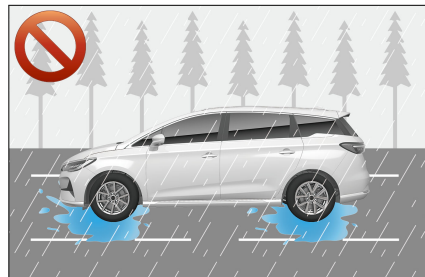
- In the event of a fire in the vehicle, take effective measures in a timely and calm manner to minimize any losses.
  - Fires typically show initial warning signs, such as abnormal noises and odors in the vehicle body. When abnormal conditions are found, turn off and stop the vehicle immediately. Try to put out the fire if possible.
  - Call a fire emergency number and then contact a BYD authorized dealer or service provider.

#### REMINDER

- In order to mitigate losses in the event of an accident, the purchase of commercial insurance (fire loss, theft, etc.) is recommended.

## Wading into Water

- Check water depth - it must not exceed the vehicle's lower edge before driving into flooded areas.
- If crossing a flooded area is necessary, turn off the air conditioner, decrease the speed, and keep acceleration steady to slowly cross over.



- Be careful when driving through deep water, as brakes may get wet. After crossing over, press the brake pedal

several times to dry out the disks and recover brake performance.

### **WARNING**

- Drive carefully to avoid accident when there is any water or slurry on the brake disc surface, as this may increase the brake response time thus extending the braking distance.
- Carefully apply any wet brake, and remove ice or water on it.
- Avoid emergency braking as far as possible after driving through any waterlogged road section.
- If the vehicle drives on the waterlogged road, prevent water from entering the motor, otherwise the motor will be damaged seriously. Such damaged is not covered by the vehicle's warranty
- After the vehicle drives through waterlogged road sections, vehicle components, such as drive system, driving system and automotive electric system may also be damaged seriously. Such damage is not covered by the vehicle's warranty either.
- Be sure to find a sheltered place when charging the vehicle on rainy days. If the vehicle is immersed in water or wades through water over the doorsill, which may cause water ingress in high-voltage components, promptly contact a BYD authorized dealer or service provider for testing and troubleshooting.
- Do not drive the vehicle on the road where the depth of

### **WARNING**

accumulated water exceeds half of the tires.

### **Influence of water ingress in high-voltage components:**

- Water getting into high-voltage components, which are electronic devices, may not be fully dried out by any means.
- Water ingress seriously compromises insulation of high-voltage components, and conductive substances in water may lead to short circuit of high-voltage components or such risk in the entire high-voltage system. This significantly affects the safety and service performance of the vehicle.
- The reduced ingress protection rating and voltage withstanding performance due to water in high-voltage components pose a high safety risk.

## **Starting and Driving**

### **Starting the Vehicle**

#### **Preparations Before Driving**

- Check your surroundings before getting into vehicle.
- Adjust seat position, seatback angle, cushion height, headrest height, and the steering wheel angle and height.
- Adjust interior rearview mirror and side mirrors.
- Make sure all doors are closed.
- Fasten the seat belts.

## Safety Check Before Driving

### Exterior

- Tires: Check tire pressure and carefully inspect tires for any cut, damage, foreign material, anomaly, and excessive wear.
- Lug nuts: Ensure all nuts are fitted and tightened.
- Lighting: Verify that headlights, parking lights, position lights, turn signals, and other lights are all working. Check headlight intensity.

### Interior

- Seat belts: Check whether seat belts can be properly fastened. Verify that seat belts are not worn or scratched.
- Instrument cluster: Particularly, verify that maintenance indicator, instrument cluster lighting, and defroster work properly.
- Braking: Verify that there is enough space for the brake pedal to work.

### In the engine compartment

- Spare fuses: Verify that spare fuses of all rated charges in the fuse box are available.
- Coolant level: Verify that coolant level is correct.
- Low-voltage battery and cables: Check connectors for any corrosion or looseness and any cracks in the battery housing.

### Starting the vehicle

#### In normal cases, start the vehicle as below:

- Engage the parking brake firmly.
- Turn off all unnecessary lights and accessories.

- Shift to "P" or "N".
- Carry the correct smart key with you.
- Press the START/STOP button while pressing the brake pedal.
- The vehicle is ready to drive when the OK indicator lights up on the instrument cluster.

#### The vehicle cannot power on when:

- The vehicle cannot power on when:
  - After you press the START/STOP button, the smart key warning light turns on, a beep sounds, and the message "No key detected" is displayed on the instrument cluster. This means that the key is not in the vehicle or cannot be detected due to interference.
  - The electronic smart key is on the floor, or in the cup holder, trunk, or glove box.

#### Starting the vehicle in emergencies:

- Engage the parking brake firmly.
- Turn off all unnecessary lights and accessories.
- Shift to Park or Neutral.
- The power mode is "OFF".
- The electronic smart key is in the vehicle.
- Press and hold the START/STOP button for more than 15s to start the vehicle.

#### REMINDER

- Do not touch the power button while driving.

#### Remote Start

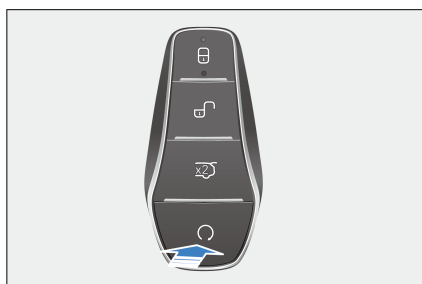
#### Before starting

- The power mode is "OFF".

- The gearshift lever is on Park.
- The vehicle speed is below 5 km/h.

### Starting the vehicle

1. Press and hold the remote start/stop button on the electronic smart key for two seconds to start the vehicle. After it is started, turn signals will flash three times.
2. If there is no valid operation within 10 minutes after remote start, the vehicle stops and powers off, and turn signals flash twice.



3. Press and hold the remote start/stop button on the electronic smart key for two seconds. The vehicle powers off, and turn signals flash twice.

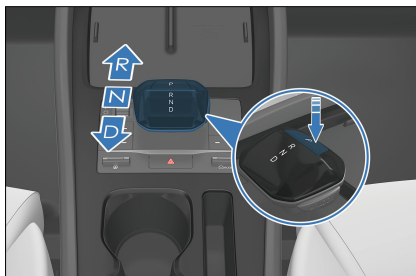
### Check after starting

- Instrument cluster: Confirm that the maintenance indicator and the speedometer work normally.
- Brakes: In a safe area, verify that the vehicle maintains a straight direction.
- Other abnormalities: Check for loose parts, leaks, and unusual noises.

## Gear Shift Controls

- The gear position of the gear actuator is marked on the gearshift lever as shown.

- "P": Park, press this button to park the vehicle and the parking indicator will light up. Press the brake pedal to start the vehicle, you may shift from "P" to another position.



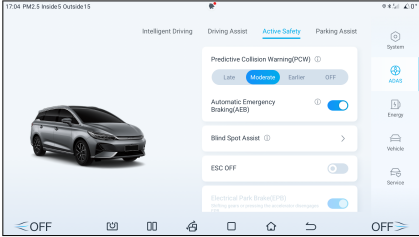
### ⚠ CAUTION

- To prevent damage, press the "P" button only after the vehicle has completely stopped.
- "R": Reverse, used only when the vehicle has come to a complete stop.
- "N": Neutral, used for temporary stop. Under all circumstances, always shift to "P" before the driver gets out.
  - In "P" gear, shifting into "N" gear by moving the shift lever forward to the first gear and holding for 0.5 seconds after pressing the brake pedal.
  - In "D" gear, shifting into "N" gear by moving the gearshift lever forward to the first gear and holding it for 0.5 seconds.
  - In "R" gear, shifting into "N" gear by moving the gearshift lever backward to the first gear and holding it for 0.5 seconds.
- "D": Drive, shift to D position to drive the vehicle normally.
- If the shift is successful, the lever returns to its middle position after it is released.

- Turn the ignition on before shifting into "D".
- Shifting out of "P" or into "D" gear requires pressing the brake pedal. For details, see the prompt message on the instrument cluster.
- To prevent unintended vehicle movement, press the "P" button once the vehicle has stopped completely. The electronic parking brake (EPB) is automatically applied and the EPB indicator lights up.

**! CAUTION**

- If the EPB indicator does not come on after shifting into P, enable the EPB on the shortcut menu or go to → **ADAS** → **Active Safety** on the infotainment touchscreen. In this case, contact a BYD authorized dealer or service provider for inspection.



**! CAUTION**

- When flashes, EPB is working. If the vehicle is on a slope, do not release the brake pedal until is steady on. Otherwise the vehicle may move down.

## Electronic Parking Brake (EPB)

Be sure to engage the EPB every time before parking and leaving the vehicle.

### Engaging EPB Manually

When the vehicle is not in "P", press the brake pedal and engage EPB in → **ADAS** → **Active Safety** on the infotainment touchscreen. Then, EPB applies appropriate parking force, and on the instrument cluster flashes and then stays on, indicating that EPB is engaged. The "EPB ON" message is also displayed.

### Engaging EPB Automatically

#### Engaging EPB automatically when the ignition is switched off

- When the vehicle is powered off, EPB automatically engages, the indicator lights up and the "EPB activated" message is displayed on the cluster.

#### Shifting into "P" automatically

- Press the brake pedal to stop the vehicle and shift into Park. EPB is engaged automatically. Do not release the brake pedal until the indicator on the instrument cluster stops flashing and becomes steady on and the "EPB activated" message is displayed.

**! WARNING**


- Do not release the brake pedal early in the process, especially when the vehicle is stopped on a slope, to prevent it from rolling.
- This function is designed to improve vehicle safety. Excessive reliance on or frequent use of the function is not recommended. For


 **WARNING**

safety reasons, make sure that the vehicle is shifted into "P" or the EPB is engaged before getting off.

**Automatic EPB Release upon Vehicle Start**

- With the vehicle parked, start the vehicle, press and hold the brake pedal, and shift from "P" or "N" into a driving gear such as "D" or "R". EPB is released automatically, the indicator goes off, and the "EPB released" message is displayed.

 **CAUTION**

- Be sure to always press and hold the brake pedal when shifting gears. Release the pedal only after the intended gear is displayed on the instrument cluster.
- Within several seconds after the vehicle is started, the EPB system performs a power-on self-test (POST). In this process, the EPB system does not respond to any function.
- When the vehicle has been started and the gear is in a driving gear such as "D" or "R", engage EPB manually, then simply press the accelerator pedal slowly to a certain degree. EPB is released automatically and  turns off with the message "EPB released" displayed.

 **WARNING**

- For safety considerations, refrain from using EPB for braking in normal driving. It is preferred to be used when the brake pedal fails or is blocked.

 **WARNING**

- As the EPB cannot go beyond the physical limit of road adhesion, activating the emergency brake function may result in vehicle drift, sideslip or deflection when the vehicle passes through bends or dangerous/heavy-traffic road sections, or when the vehicle is driven under severe weather conditions. Be careful to avoid any possible accident.

**Emergency Braking When Brake Pedal Fails**

- During driving, if the braking fails or is blocked, continue to press the P gear switch for over two seconds for emergency braking.

 **WARNING**

- For safety considerations, refrain from using EPB for braking in normal driving. It is preferred to be used when the brake pedal fails or is blocked.
- As the EPB cannot go beyond the physical limit of road adhesion, activating the emergency brake function may result in vehicle drift, sideslip or deflection when the vehicle passes through bends or dangerous/heavy-traffic road sections, or when the vehicle is driven under severe weather conditions. Be careful to avoid any possible accident.
- For safety considerations, refrain from using the EPB for braking in normal driving. If the brake pedal fails or is blocked, use the emergency braking function while you can always keep the vehicle under control and drive normally.

## EPB System Indicator

- When the vehicle is powered on, if the EPB is engaged, (P) is solid on the instrument cluster.
- When the vehicle is powered off, if the EPB is engaged, (P) on the instrument cluster turns on and then turns off in several seconds.
- When the vehicle is powered on, the EPB system starts self-check. The (P) indicator on the instrument cluster turns on and then turns off in several seconds. If it does not, the EPB or braking system may be faulty. In this case, contact a BYD authorized dealer or service provider immediately.

## EPB Operating Sound

- EPB motor noises can be heard while the EPB is being engaged or released.
- If there is a burning smell or unusual noises after emergency braking is activated, contact a BYD authorized dealer or service provider immediately.

### WARNING

- To prevent the vehicle from moving, the vehicle must be in "P" gear and make sure that EPB is engaged before getting off.
- The EPB switch must not be operated when the vehicle is moving.
- When the EPB switch is pulled or released, the brake pedal must be pressed to prevent the vehicle from moving, and the subsequent locking of the gearshift that occurs because EPB cannot provide a sufficient parking force.

## Automatic Vehicle Hold (AVH)

Automatic vehicle hold (AVH): The automatic vehicle hold (AVH) is activated automatically when the moving vehicle needs to be stationary for longer periods of time, such as in traffic jams on a slope or waiting at traffic lights.

### AVH standby

- When the ignition is on, press the AVH switch to enable the function. The AVH standby indicator (A) is displayed on the instrument cluster.
- Press the AVH switch again to disable AVH.



### AVH activated

- When the AVH standby indicator (A) is solid on, press and hold the brake pedal until the vehicle stops (vehicle speed reduces to zero) to activate AVH. At this time, the vehicle is in AVH state with (A) displayed on the instrument cluster.

### CAUTION

- For AVH to be activated, all of the follow conditions must be met:
  - The driver's seat belt is fastened and the doors are closed.



### CAUTION

- Intelligent power braking system and electronic park brake (EPB) systems are normal.
- Pressing the accelerator pedal, shifting into Park, or engaging the EPB manually can make AVH exit to the standby status.
- The AVH is off by factory default.

### AVH running

- The AVH function runs normally when it is activated, brake lights and the high-mount brake light are on, and the AVH indicator (Ⓐ) is solid on on the instrument cluster.
- The AVH function exits to the standby mode after the vehicle stops for 10 minutes, with the AVH standby indicator (Ⓐ) lighting up and gear shifted into Park
  - To activate AVH function, shift into Drive to enable the vehicle to move normally, and then press and hold the brake pedal until the vehicle stops (vehicle speed reduces to zero).

### AVH exits

- When the AVH function runs normally, the following actions make AVH exit and shift the vehicle from Drive to Park automatically:
  - Open the driver's door.
  - Unlock the driver's seat belt.
  - The gear status is in Drive when the vehicle stops, and EPB is enabled.
  - Press the AVH switch to disable AVH when releasing the brake pedal.

### AVH suppressed

- Shifting into Reverse, AVH goes into slow-moving condition. When the

vehicle is reversing (in Reverse) or shifts from Reverse into Drive to travel at a low speed, AVH cannot be activated but stays on standby to facilitate low-speed vehicle motion.

- To exit slow-moving mode, press the AVH switch or drive at a speed above 10 km/h. The AVH function is on standby and can be activated normally.

## Driving Precautions

- Slow down when driving against strong winds.
- Drive slowly and carefully along gravel roads. To prevent tire damage, do not drive over sharp-edged obstacles. Or it will severely damage the tires.
- Slow down on bumpy or uneven roads. Otherwise, the impact may seriously damage wheels.
- Avoid driving through flooded areas as much as possible.



### WARNING

- The driver shall ensure the riding safety of all passengers in the vehicle, guide them to correctly use vehicle features, and prevent children and other passengers operating control switches such as window switches in a wrong way.
- Do not touch the power button while driving.



### CAUTION

- The battery is located in the vehicle's chassis. Make sure to avoid bumping when driving.

### CAUTION

- Before driving, make sure that EPB is fully released and that the EPB indicator light is off.
- Do not leave the vehicle when the drive motor is running.
- Do not rest your feet on the brake pedal and accelerator pedal for a long time during driving. Otherwise, this will cause overheating, wear and waste of electric energy.
- Slow down when driving down steep slopes, and avoid braking too frequently to prevent disc overheating, which affects brake performance.
- Be careful when accelerating or braking on slippery roads. Quick acceleration or sudden braking will cause the vehicle to skid or deviate.
- Make sure no occupant sticks their head or hands outside the vehicle, specially when it comes to children.
- Large amounts of water entering the engine compartment can cause damage to the power system and electrical components.

### Winter Driving Precautions

- Make sure the coolant is freeze-proof.
- Use coolant of the same type as the one used originally. Fill up coolant into the cooling system based on ambient temperature.
- Improper coolant will damage the cooling system.
- Check batteries and cables conditions.

- The low-voltage battery's capacity is lower in cold weather, so they must be fully charged when winter comes.
- Avoid door frost.
  - Spray some deicing agent or glycerin in the lock hole to prevent freezing.
- Use anti-freeze washer fluid.
  - These can be found in the BYD authorized dealer or service provider and the auto parts stores.
  - The water and anti-freeze ratio must conform to manufacturer instructions.



### CAUTION

- Use special washer fluid to prevent paint damage.
- Prevent ice and snow from going under the fender.
  - Steering is difficult with ice or snow accumulating under the fenders. When driving in cold weather, stop from time to time and check for snow and ice under the fenders.
- It is recommended to carry emergency tools or items for different road conditions.
  - It is advisable to have snow chains, window scraper, bags of sand and salt, flashing signal, a shovel and connecting cables in the vehicle.

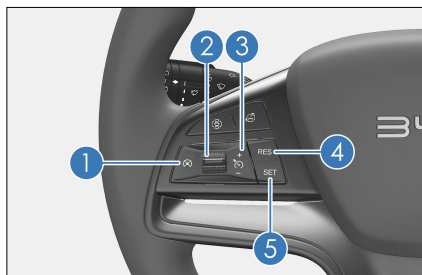
## Driver Assistance

### Cruise Control\*

#### Turning ACC on/off

- After the vehicle is started, press the cruise button  and  lights up on the instrument cluster.

- Press the cruise button ③ again, press the cruise cancel button ①, or power off the vehicle to turn off the cruise control system.



### Setup

When the vehicle speed exceeds 40 km/h, toggle the lever ② down to set the current speed as the target cruise speed, and **SET** lights up on the instrument cluster.

### Adjusting speed

- Toggle the lever ② up briefly to accelerate by 1 km/h or keep the toggling to accelerate continually.
- Toggle the lever ② down briefly to decelerate by 1 km/h or keep the toggling to decelerate continually.

### Reset

When the vehicle has not started cruising, push up the lever ② to restore to the stored speed prior to exiting the cruise system last time.

### Exit

Tap on the button ①, press the brake pedal, or shift the gear from "D" to others to exit cruise control.

### Over speed

When the cruise system is activated, press the accelerator pedal to accelerate. If the press is stopped, the vehicle will return to the speed set before the acceleration. Press accelerator pedal while toggling the

lever ② down. The current speed is set as the target cruise speed and the vehicle cruises at this speed.


### **WARNING**



- Improper use of the cruise control system may lead to a crash.
- The cruise control system can only be activated in smooth highway traffic in good weather.

## Adaptive Cruise Control (ACC)\*

- The adaptive cruise control (ACC) system, an extension of traditional cruise control, uses a front mmWave radar and a multi-purpose camera to detect the relative distance and speed of a vehicle ahead, so as to control vehicle speed accordingly for automatic cruise control. The system switches between regular cruise control and ACC according to whether there is a vehicle ahead.
- Cruise speed and time interval from the vehicle ahead can be set by using the cruise buttons. You can set the cruise control speed within the 30-150 km/h range, or set a fixed distance from the vehicle ahead to cruise at speeds between 0 km/h and 150 km/h.

### Status Description

- ACC standby:
  - Once enabled, the system is on standby by default and can be manually activated. If the vehicle does not meet activation conditions, it must be checked until such conditions are met. At this time,  (with a variable cruise speed value) is displayed on the instrument cluster.
- ACC activated:

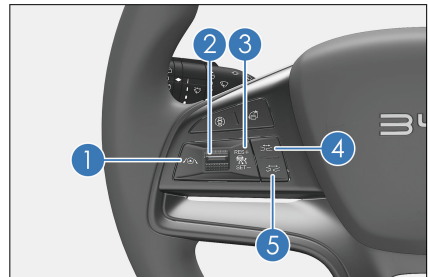
- The system is operational. It maintains the set speed or automatically adjusts the distance from the vehicle ahead. At this time,  (with a variable cruise speed value) is displayed on the instrument cluster.
- Over speed:
  - When you step the accelerator pedal while ACC is active, the vehicle responds to your acceleration action so that the ACC is temporarily deactivated until you release the pedal.
- ACC failure:
  - There has been a failure in the system. No operation can be performed, and the ACC failure indicator  lights up on the instrument cluster. It is recommended to contact a BYD authorized dealer or service provider.

### ACC Activation Conditions

- The EPB has been released.
- The vehicle is in Drive.
- The vehicle does not slide backwards.
- The trunk, hood, and all doors are closed.
- Driver seat belt is fastened.
- The ESC system is on, but not activated yet.
- The vehicle speed is not greater than 150 km/h.
- Brake pedal is pressed or AVH is activated at speed 0; or brake pedal is not pressed at speeds above 0.
- There is no vehicle network communication failure prompt on the instrument cluster.
- The AEB function is not activated.

### How to Use

- ① ICC switch (with ICC switch on the infotainment touchscreen off, this button cannot activate ICC or ACC)
- ② Speed control lever, move up to the RES+ position (to increase or reset cruise speed), down to the SET- position (to decrease or set cruise speed)
- ③ ACC switch
- ④ Reducing the following distance
- ⑤ Increasing the following distance



### Resetting ACC

- When the ACC system is on standby within the same ignition cycle, the system memorizes the last speed setting. Push up the lever ② to revert to the stored speed prior to exiting the cruise system last time. If the system does not memorize any vehicle speed (ACC is activated for the first time in this cycle), the "RESET" button will not activate the ACC.

### Increasing/Decreasing target speed

- When ACC is activated, set the vehicle to a speed within the 30–150 km/h range by moving the lever ②. Toggle the lever ② up/down to increase/decrease the vehicle speed by 5 km/h. Press and hold the lever up/down to continuously increase/decrease the vehicle speed by 1 km/h.

### Exiting ACC

- While ACC is being activated, pressing the button ③ for a second time or depressing the brake pedal makes the ACC system go on standby.

### Setting vehicle distance

- The driver must select a safe vehicle distance.
- The system adjusts vehicle speed to keep a suitable distance from the vehicle ahead on the same lane. Pressing buttons ④ and ⑤ on the steering wheel adjusts vehicle distance to any of the four available levels. At each level, vehicle distance is in direct proportion to vehicle speed. The faster the speed, the longer the distance.

### Increasing/Decreasing speed with ACC active

- When ACC is activated, you can press the accelerator pedal to reach the set cruise speed in advance. The system then enters over speed mode and you can move the lever downward to the SET- position to set the current speed as the target cruise speed. At the target cruise speed, if you accelerate without performing any other operations, the vehicle accelerates and then returns to target cruise speed after the accelerator pedal is released. If the you press the brake pedal to slow down the vehicle speed continuously, ACC goes into standby mode. After the brake is released, ACC will need to be reactivated.

### Follow-to-stop/start

- ACC brings the vehicle to a stop when the vehicle ahead stops in normal driving conditions. It automatically accelerates the vehicle away from a standstill if the vehicle ahead pulls away within a short period of time. To increase or decrease the cruise speed when parking, press the brake pedal and pull up or down the lever ②.

- If the vehicle stops for a longer time but within three minutes, press the accelerator pedal or the switch ③ to reactivate ACC.
- If the vehicle stops for more than three minutes, the ACC system will enter standby mode, with EPB engaged.

### System Limitations

- The front mmWave radars are installed in the front of the vehicle. Blockage of its detection area by contaminants can disturb the intended function. In particular, if the sensor is covered by snow completely, the ACC system exits and informs of this on the instrument cluster. System function will recover after blockage is removed and the vehicle is restarted or runs on normal roads for a while.
- Front mmWave radar sensors may have a transient function failure from limited detection if the vehicle runs under special conditions, such as circular ramps or tunnels, for an extended period. The function can be recovered by restarting the vehicle or driving on normal roads for a while.
- Reaching or leaving a curve may delay or disturb target selection. In such cases, the ACC vehicle may not brake as expected or may brake late.
- On roads with sharp curves, such as winding roads, the vehicle ahead may be out of ACC sensor detection for several seconds due to sensor vision limitations, possibly causing the ACC vehicle to accelerate automatically.
- Traffic flow and weather conditions, such as rain and fog, must be heeded for setting vehicle distance on the ACC system. After the ACC system is properly set, the driver must be able to decelerate until the vehicle stops at any time.

- The ACC system may not be able to identify stationary or slow-moving objects, such as vehicles, the end of traffic, toll booths, bicycles, or pedestrians. This means a risk of collision and requires the driver to beware of the surroundings.
- The ACC system cannot identify pedestrians or oncoming vehicles.
- The ACC system can only achieve limited braking instead of emergency braking.
- Metal objects, such as rail or metal plates used in road construction, may interfere with front mmWave radars, making it malfunction.
- Performance of front mmWave radar sensors may be affected by vibration or collision. In this case, it is recommended to contact a BYD authorized dealer or service provider.
- ACC cannot be activated if special driving modes\* such as tow/snow/mud/sand/terrain are enabled.

### Precautions

- ACC is a comfort system rather than a safety system, obstacle detector or collision warning system. The driver must keep control of vehicle at all times and be fully responsible for the vehicle.
- ACC assists instead of replacing the role of the driver. The driver is responsible for abiding by traffic rules and keeping vehicle control.
- For safety reasons, ACC cannot be activated with ESC disabled.
- The ACC is suitable for highways and roads in good conditions, rather than complex urban or meandering roads.
- It is the driver's responsibility to keep distance from the vehicle ahead. The ACC system's vehicle distance meets the minimum distance required in driving environments in the country.
- Vehicle control is transferred to the driver if the accelerator or brake pedal is pressed with ACC active. As a result, the ACC system cannot keep a safe distance from the vehicle ahead.
- ACC may have no or slow responses to a vehicle ahead that brakes or stops suddenly, resulting in a risk of late braking. The driver should intervene immediately.
- In some cases, such as when the vehicle ahead is going too slow, when lane change is too fast, when the vehicle ahead is quickly jammed at a close distance, or when the safe distance from the vehicle ahead is too short, there is no adequate time for the system to decrease the relative speed. so response has to come from the driver. The system cannot give audio or visual warnings in every case.
- If ACC is activated with the vehicle stationary, the system identifies any stationary obstacle ahead and keeps the vehicle still to ensure a safe startup and prevent collision. However, this function cannot identify all the obstacles, so the driver must be alert to the front obstacles or other traffic participants.
- A short distance from an adjacent lane (or a vehicle on an adjacent lane that is too close to the ACC vehicle's lane) may trigger ACC to brake.
- Vehicles coming into the ACC vehicle's lane and within the detection range of its front mmWave radars are identified as target vehicles and prompt a response accordingly, which may lead to hard or late braking.
- Detection may be affected or delayed in some environments. If the radar reflection cross-sectional area of the

target (a bicycle, four-wheeler, or pedestrian, for example) is too small, the system may not be able to establish its distance, resulting in either late or no response to those vehicles. In such cases, vehicle speed must be controlled by the driver. In addition, detection may also be affected or delayed by noise or electromagnetic interference.

- ACC cannot target vehicles with too small contact ratio, so the driver must keep control of the vehicle.
- When the vehicle stops as it follows a vehicle ahead, in rare cases, the system does not recognize the end of the vehicle ahead but the lower end of the target (for example, the rear axle of a truck with a high chassis or a vehicle bumper). In such cases, the system cannot ensure proper stop distance, so the driver must stay alert and be ready to brake.
- Modifying the vehicle structure, such as lowering the chassis or changing the front license mounting plate, may affect the ACC system.
- Do not use the ACC system when visibility is poor, or when driving on slopes, winding roads, or wet roads (covered in ice/snow or flooded).
- Make sure to go to a BYD authorized dealer or service provider for professional calibration and checking of front mmWave radars or the front view camera in any of the following situations:
  - The front mmWave radar, front bumper, or front windshield has been removed.
  - Wheel alignment has been carried out.
  - The vehicle has experienced a collision.

- ACC system performance has degraded or the instrument cluster has prompted a system error.

### **WARNING**


- ACC serves as a driver assistance function only, so the driver is fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause ACC to fail.
- Use ACC based on your needs, traffic, and road conditions.



## Intelligent Cruise Control (ICC)\*

- The intelligent cruise control (ICC) system helps control the vehicle both longitudinally and transversely at speeds between 0 and 130 km/h to reduce the driving burden and provide a safe and comfortable driving environment.
- When the function is enabled, the driver must always hold the steering wheel and control the vehicle when necessary.
- Longitudinal assistance, driven by the ACC system, keeps the vehicle at a fixed speed or fixed driving intervals from the road user ahead.

### Status Description

- ICC standby:
  - ICC system is on standby when the ICC switch on the infotainment touchscreen is turned on. Press the switch on the steering wheel to manually activate the system. If the vehicle does not meet activation conditions, it must be checked until such conditions are met. At this time,


 is displayed on the instrument cluster.

- ICC activated:
  - The ICC system is operational. It maintains the set speed or automatically adjusts the distance from the vehicle ahead. At this time,  is displayed on the instrument cluster.
- ICC failure:
  - There has been a failure in the system. No operation can be performed, and  lights up on the instrument cluster. It is recommended to contact a BYD authorized dealer or service provider.

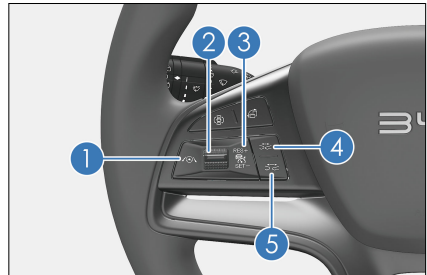
### ICC Activation Conditions

- The EPB has been released.
- The vehicle is in Drive.
- The vehicle does not slide backwards.
- The trunk, hood, and all doors are closed.
- Driver seat belt is fastened.
- The ESC system is on, but not activated yet.
- Vehicle speed is not greater than 130 km/h.
- Brake pedal is pressed at speed 0; or brake pedal is not pressed at speeds above 0.
- There is no vehicle network communication failure prompt on the instrument cluster.
- The AEB function is not activated.
- Two-way lane lines are clear and the vehicle is at the center of the lane.

### How to Use

- To enable or disable ICC, go to the infotainment touchscreen →  → **ADAS** → **Intelligent Driving**. This function can only be disabled on the infotainment touchscreen when the vehicle is in "P". When the vehicle is started, the system defaults to previous settings.

- ① ICC switch (with ICC switch on the infotainment touchscreen off, this button cannot activate ICC or ACC)
- ② Speed control lever, move up to the RES+ position (to increase or reset cruise speed), down to the SET- position (to decrease or set cruise speed)
- ③ ACC switch
- ④ Reducing the following distance
- ⑤ Increasing the following distance



- Press ① on the steering wheel to activate (with ICC switch on the infotainment touchscreen on) or exit ICC. (By default, when the function is activated, the current speed is set as the cruise speed. If the current speed is below 30 km/h, the cruise speed is set to 30 km/h.) For how to set the cruise speed and vehicle distance, see ACC function descriptions (in the previous chapter).

### Precautions

- ACC function precautions must be followed when using ICC (see the previous chapter for details).

- When ICC is turned on and activated at vehicle speeds between 0 km/h and 130 km/h:
  - If there is no lane lines ahead, transverse ICC control is suppressed and only ACC works. In that case, ICC working status indicator turns gray on the instrument cluster.
  - If lane lines ahead are clear and recognizable, transverse ICC control is activated automatically. In that case, ICC working status indicator shows activated status on the instrument cluster.
- The ICC system is a driving assistance system, not an automatic driving system. The driver should keep control of the vehicle at all times, and their hands should not leave the steering wheel for a long time. Otherwise, the system will exit after prompting the driver to take over the control.
- The ICC system can be affected by weather conditions, lighting and clarity of lane lines. Performance degrades significantly in situations such as backlighting, sunset, snow covered roads, and severely damaged roads.
- Do not use the ICC system on winding roads with sharp turns, icy and slippery bends, or under weather conditions, such as dense fog, heavy rain and heavy snow, liable to hinder the sensing operation of front mmWave radars or the multi-purpose camera.
- ICC cannot be activated if special driving modes\* such as tow/snow/mud/sand/terrain are enabled.
- Situations where ICC cannot be used include:
  - The sensor is blocked.
  - The vehicle is running under severe weather conditions.

- Active safety function is triggered.
- Vehicle speed exceeds the specified range.
- The road is too curvy.







### **WARNING**

- ICC serves as a driver assistance function only, so the driver must be fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause ICC to fail.
- When the vehicle passes through a too curvy road, it may exceed the system's ability to pass through the curve and automatically exit the ICC function. The driver should always be aware to the road environment and function status.
- Use ICC based on your needs, traffic, and road conditions.

## **Forward Collision Warning (FCW)\* & Automatic Emergency Braking (AEB)\***

Forward collision warning (FCW) system and automatic emergency braking (AEB) system detect vehicles and pedestrians ahead by using a front mmWave radar and a multi-purpose camera. When detecting a risk of collision, the system gives audio and visual alarms to alert the driver, and improve the potential braking pressure for better response timing. If detecting increased risk of collision, the system automatically applies braking pressure to assist in collision avoidance or impact reduction.

## How to Use

- Enable or disable FCW and AEB in infotainment touchscreen  → **ADAS** → **Active Safety**. AEB is enabled by factory default. When the vehicle is started, the system defaults to previous settings.
- FCW gives alarms in forms of audio, text, and intermittent braking.
- When FCW is activated,  or  is displayed on the instrument cluster depending on the level of emergency, and audible and textual prompts are given.
- When AEB is triggered,  and audible and textual prompts are displayed on the instrument cluster.
- In the event of malfunction,  is displayed. Contact a BYD authorized dealer or service provider.
- If you disable AEB manually by pressing buttons,  is displayed.

## FCW Activation Conditions

All the following conditions must be met:

- This function has been turned on in the infotainment touchscreen.
- Vehicle speed is within the range of 30-150km/h.
- The vehicle is in Drive.
- The vehicle does not slide backwards.

## AEB Activation Conditions

All the following conditions must be met:

- This function has been turned on in the infotainment touchscreen.
- Vehicle speed is within the range of 4-60km/h.
- The EPB has been released.

- The vehicle is in Drive.
- The vehicle does not slide backwards.
- The trunk, hood, and all doors are closed.
- Driver seat belt is fastened.
- The ESC system is on, but not activated yet.

## System Limitations

- Detection may be affected or delayed in some environments. If the front mmWave radar cross section of the target (a bicycle, tricycle, four-wheeled carriage, electric bicycle or motorbike, for example) is too small, the system may not be able to establish its distance to the target ahead, resulting in either late or no response to those vehicles.
- The system may be affected or give no response in the following cases:
  - On rainy, snowy or foggy days, or exposure to direct sunlight or glaring lights, or significantly varying lighting conditions.
  - Dirty, hazy, damaged or blocked sensor.
  - Malfunction of front mmWave radars due to interference from other radar sources such as strong front mmWave radar reflection in multi-story parking lots.
- In complex traffic, the system may be unable to properly respond to the following circumstances:
  - Pedestrians or vehicles move too quickly into the sensor's detection range.
  - Pedestrians are obscured by other objects.

- Pedestrian outlines are indistinguishable from the surroundings.
- Pedestrians are not detected, due to, for example, coverage by special clothing or other materials.
- The vehicle is on a sharp curve.

## Precautions

- The AEB system cannot ensure zero collision. In complex traffic, the system cannot always clearly identify all the vehicles or pedestrians. It may trigger unnecessary warning or braking action for well covers, iron plates or road signs.
  - Make sure to drive safely and observe surrounding traffic conditions. The AEB is not a substitute for normal braking operation in any event.
  - Do not overly rely on the AEB system as this may result in severe injuries or deaths. The system is only an auxiliary safety tool. The driver must always keep a safe distance from vehicles ahead, control the speed, and be ready to brake or steer away when necessary. The driver must keep control of the vehicle at all times and be fully responsible for safe driving.
  - The AEB system is activated only when it exceeds certain speeds. Careful driving is always required, because the system may not be triggered correctly.
  - The AEB system cannot work normally when the ESC function is disabled or the fault light is on.
  - If FCW gives an alarm, the driver must brake based on traffic conditions to decrease vehicle speed or steer away from obstacles.
  - If the vehicle travels too close to the vehicle ahead for too long, a safety distance warning will be given.
- If the vehicle ahead brakes suddenly, collision may be unavoidable.
- The system will not trigger AEB when the driver is aware of an emergency warning, such as turning the steering wheel, pressing the throttle pedal hard or braking hard.
  - Front mmWave radar sensors may have a transient function failure from limited detection if the vehicle runs under special conditions, such as circular ramps or tunnels, for an extended period. The function can be recovered by restarting the vehicle or driving on normal roads for a while.
  - Sometimes the surfaces of front mmWave radars or the multi-purpose camera are dirty or obscured by foreign objects. In that case, a message is displayed on the instrument cluster and both FCW and AEB are disabled. The functions will return normal after the sensor is cleaned.
  - As the pedestrian protection function is limited by certain physical conditions, the driver must take timely and effective control of the vehicle under dangerous conditions.
  - The system cannot completely protect pedestrians or avoid accidents and severe injuries on its own.
  - Under certain complex conditions, such as on winding roads, the pedestrian protection function may trigger unnecessary warning or braking.
  - System failure may trigger wrong warnings or braking. This may be caused, for example, by the misalignment of the front mmWave radar or multi-purpose camera.
  - The brake pedal becomes harder if AEB is triggered. A large amount of hydraulic pressure will be required to

push the caliper in a short time and there will be a sizzling noise.

- The AEB system is triggered only with doors closed and seat belts fastened. It fails to work in the following cases:
  - Any door is not closed or it is opened when the vehicle is moving.
  - Any seat belt has not been fastened or it is unfastened while the vehicle is traveling.
  - The driver accelerates or decelerates rapidly or turns the steering wheel quickly.
- System performance may be reduced in the following cases:
  - Strong front bumper impact from accidents or other causes.
  - Improperly inflated or worn out tires.
  - Unqualified tires installed.
  - Snow chains installed.
  - Use of a small spare tire or tire repair kit.
- Make sure to go to a BYD authorized dealer or service provider for professional calibration of the front mmWave radar or multi-purpose camera in any of the following situations:
  - The front mmWave radar or multi-purpose camera has been removed.
  - Toe-in or rear camber has been adjusted during wheel alignment.
  - The vehicle experienced a collision.
  - ACC system performance has degraded or become abnormal.
- Do not attempt to test the AEB system on your own using objects such as carton, iron plate, dummy, etc. The system may not work properly and thus result in accidents.



### **WARNING**

- FCW and AEB serve as driver assistance functions only, so the driver is fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause FCW and AEB to fail.
- Use FCW and AEB based on your needs, traffic, and road conditions.

## Traffic Sign Recognition (TSR)\*

The traffic sign recognition (TSR) system recognizes speed limit signs through the front camera. It displays such signs on the current road on the instrument cluster and emits alarms when the vehicle speed exceeds the detected speed limit.

### How to Use

- Enable or disable TSR in  → **ADAS** → **Driving Assist**. TSR is enabled by factory default. When the vehicle is started, the system defaults to previous settings.
- When the TSR system identifies the current traffic sign, the identified speed limit icon is displayed on the instrument cluster (for example, .
- When the TSR system is disabled, fails or identifies no traffic sign, no indicator is displayed on the instrument cluster.

### Precautions

- The speed limit icon disappears from the instrument cluster within a certain distance after system recognition. The

driver must control speed within range.

- The TSR system can identify speed limit signs only, and will not control speed. The control over the vehicle always vests in the driver. Please drive properly.
- When there are several speed limit signs on side-by-side lanes, the system recognizes the limit signs of all lanes to display the speed limit alert icon. The driver must remain in the correct lane.
- Weight limit signs not in standard size as per national regulations may mistakenly be identified as speed limit signs.
- If a speed limit sign is unclear or distorted, inclined, reflective, partly blocked or covered, the camera may be unable to recognize the sign completely or clearly.
- TSR performance depends on weather conditions, lighting, and sign visibility. The system may fail to or incorrectly identify the sign at night or sunset, in rainy, foggy, hazy, snowy or dusty environment, when light is coming from the back of the vehicle, or when there is a sudden change in lighting.
- In case there is a collision or the camera sensor has been reassembled, it is recommended to go to a BYD authorized dealer or service provider for sensor calibration so as to avoid affecting system performance.

### **WARNING**

- TSR serves as a driver assistance function only, so the driver must be fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause TSR to fail or lead to late alarms.




### **WARNING**

- Use TSR based on your needs, traffic, and road conditions.


## Intelligent High Beam Control (IHBC)\*

IHBC is a driver assistance function that helps the driver use the high beams correctly. It can automatically turn on the high beam in the dark to provide the driver with the maximum field of vision, turn off the high beam when there is an oncoming vehicle, so as not to dazzle other drivers, and turn off the high beam in urban areas (marked by street lights) or other conditions.

### Status Description

- IHBC standby:
  - When the function is enabled but not activated yet,  is displayed on the instrument cluster.
- IHBC activated:
  - With the function enabled,  is displayed on the instrument cluster.
- IHBC failure:
  - The function has failed, and  is displayed.

### How to Use

- Enable or disable IHBC in the infotainment touchscreen →  → **ADAS** → **Driving Assist**. The function is disabled by factory default. The system defaults to the previous settings when the vehicle starts.
- With the function enabled, when you set the light switch to the auto lights position, the light meets conditions

and vehicle speed exceeds 35 km/h, the system automatically switches between low and high beams based on the current driving environment.

### Precautions

- The system is an auxiliary light control function. While it is recommended to use the system at high vehicle speeds, the system cannot completely replace the driver. The driver must observe road regulations and actively switch between high and low beams according to road condition changes at all times.
- When the vehicle is in a high dynamic state, for example when the ABS or ESC is activated, beam switching is suppressed.
- IHBC system exits when you turn fog lights or turn signals on, set wipers to high-speed mode, are backing up, or set the light switch to a position other than auto lights, or when the environment has too much lighting.
- Even when HMA is working, the driver must respond to possible situations where the HMA is triggered in error or fails to work due to unavoidable environmental factors and conditions. Typical situations are:
  - The driver's stick operation to switch to the high beam is prioritized.
  - The weather, such as fog, rain or snow, is extremely terrible for driving.
  - There are traffic participants with poor lighting (such as pedestrians and bicycles), railways or waterways nearby, or wild animals on the roads.
  - There are strongly reflective objects around, such as traffic signs on highways and water reflection on the road surface.

- The front windshield is dirty, covered in mist, or blocked by stickers or decorations.
- In case there is a collision or the sensor has been reassembled, it is recommended to go to a BYD authorized dealer or service provider for sensor calibration so as to avoid affecting system performance.

### WARNING

- HMA only serves as a driving assistance function, so the driver must be fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause HMA to fail.
- Use HMA based on your needs, traffic, and road conditions.

## Lane Departure Assist (LDA)\*

### Lane Departure Warning (LDW)\*





The lane departure warning (LDW) system detects the lane lines ahead through a multi-purpose camera. When the vehicle speed is between 60 km/h and 150 km/h and the driver unintentionally drifts out of the lane, the LDW system warns the driver by steering wheel vibration, a sound, and an instrument cluster prompt.

### Lane Departure Prevention (LDP)\*

- The lane departure prevention (LDP) system identifies lane lines ahead through a multi-purpose camera. If the driver unknowingly departs from the lane at a vehicle speed between 60 km/h and 150 km/h such that the vehicle is about to roll over lane lines, the system, when activated, slightly turns the steering wheel by providing

reverse torque through the electronic power steering (EPS) system to prevent lane departure.

### How to use

- Enable or disable this function in  → **ADAS** → **Driving Assist** → **Lane Support System (LSS)**. The function is disabled by factory default. The system defaults to the previous settings when the vehicle starts.
- There are three LDW modes: audible alarm only, steering wheel vibration only, and combination.
- When LDW or LDP is enabled,  is displayed on the instrument cluster.
- When activated, LDW gives alarms (in the form of audible alarm, visual alarm, and steering wheel vibration). On the instrument cluster, virtual lane lines on the side where the vehicle rolls over lane lines turn red.
- When activated, LDP gives alarms (in the form of audible and visual alarms). On the instrument cluster,  flashes twice, virtual lane lines on the side where the vehicle rolls over lane lines turn blue.
- In the event of malfunction,  is displayed.

### System Limitations

In a complex road traffic environment, the LDA system may detect the lane line incorrectly or fail to detect the lane line. In the following cases, the system may not work or its performance may be significantly degraded:

- Poor visibility on snowy, rainy, or foggy days
- Dirty or fogged front windshield, or blocked multi-purpose camera

- Glaring from direct sunlight, reflection in puddles, or oncoming vehicles
- Sudden changes in light, such as when the vehicle is entering or exiting a tunnel
- Lane lines obscured by tree shadows on roads in direct sunlight on sunny days
- Unidentifiable road boundary with grass, soil, or curb
- The function may be suppressed in narrow lanes to prevent the interference of its frequent activation.

### Precautions

- LDW will be suppressed if a turn signal is used and the vehicle changes lane as indicated by the turn signal.
- LDW may be suppressed if the vehicle travels over lane lines or if lane lines are unclear, too thin, worn, blurred, or covered by dirt/snow.
- LDW may be suppressed if the lane is too wide or too narrow, if the number of lanes increases or decreases, if lane markings change suddenly on ramps or exits, or in situations of complex line arrangements.
- LDW may be suppressed on slopes or winding roads when the vehicle travels too close to the vehicle ahead or when the vehicle ahead obscures lane lines.
- LDW may be suppressed when the vehicle jolts, accelerates or decelerates too quickly, or takes a sharp turn.
- The system operation may be affected if the windshield within the visual field of the multi-purpose camera is cracked, if the front windshield glass is dyed or coated in a manner that is not compliant with standards, if any reflective object is placed on the dashboard, or if any other object interferes with camera sight.

- For safety reasons, do not test LDW function on your own. The function will be interrupted if the multi-purpose camera is blocked by any object or exposed to strong lights. The function recovers once conditions return to normal. If it does not, it is recommended to contact a BYD authorized dealer or service provider.
- Disabling the LDW is recommended under any of the following circumstances:
  - Driving in a sporty style
  - Severe weather conditions
  - On uneven roads
- Situations where lane lines may not be identified include, but are not limited to:
  - Unclear lane lines
  - Incomplete lane lines
- Situations that may cause recognition difficulty or late function activation of the multi-purpose camera include, but are not limited to:
  - The multi-purpose camera comes off, is loosely installed, or is blocked.
  - The vehicle is running under extreme weather, such as rain, snow, or smog.
  - The multi-purpose camera is partially or completely blocked.

### WARNING

- LDA serves as a driver assistance function only, so the driver must be fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause LDA to fail.





### WARNING

- Use LDA based on your needs, traffic, and road conditions.

## Emergency Lane Keeping Assist (ELKA)\*

The emergency lane keeping assist (ELKA) system identifies lane lines ahead through a multi-purpose camera and identifies vehicles approaching from behind on the adjacent lanes through rear corner mmWave radars. It comes to work within the 60–150 km/h vehicle speed range when the vehicle drifts out of solid lane lines, is about to cross a road edge, or has a risk of colliding with oncoming vehicles or vehicles that are passing it on adjacent lanes. The system activates EPS system to provide reverse torque, keeping the vehicle in the current lane.

### How to Use

- Enable or disable this function in  → **ADAS** → **Driving Assist** → **Lane Support System (LSS)**. The function is disabled by factory default. The system defaults to the previous settings when the vehicle starts.
- When the system is active,  flashes on the instrument cluster.
- In the event of system malfunction,  is displayed on the cluster.
- If you disable ELKA manually by pressing buttons,  is displayed.

### System Limitations

- The ELKA system may detect incorrect or no lane lines in complex traffic. The following situations may lead to failure or performance degradation of the system:

- Poor visibility on snowy, rainy, or foggy days
- Dirty or fogged front windshield, or blocked multi-purpose camera
- Glaring from direct sunlight, reflection in puddles, or oncoming vehicles
- Sudden changes in light, such as when the vehicle is entering or exiting a tunnel
- Lane lines obscured by tree shadows on roads in direct sunlight on sunny days
- Unidentifiable road boundary with grass, soil, or curb
- The function may be suppressed in narrow lanes to prevent the interference of its frequent activation.

- MmWave radar(s) come off, are loosely installed, or are blocked.
- The vehicle is running under extreme weather, such as rain, snow, or smog.
- The vehicle encounters certain metal guardrails or similar road conditions.

### **WARNING**

- ELKA serves as a driving assistance function only, so the driver is fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause ELKA to fail.
- Use ELKA based on your needs, traffic, and road conditions.

### **Precautions**

- Situations where lane lines may not be identified include, but are not limited to:
  - Pedestrians, animals, and specialty or specially-shaped vehicles
  - Unclear or incomplete lane lines
- Situations that may result in detection failure of the multi-purpose camera or late alarms include, but are not limited to:
  - The multi-purpose camera comes off, is loosely installed, or is blocked.
  - The vehicle is running under extreme weather, such as rain, snow, or smog.
  - The multi-purpose camera is partially or completely blocked.
- Situations that may result in detection failure of mmWave radars or late alarms include, but are not limited to:

### **Blind Spot Assist (BSA)\***

- Blind spot assist (BSA) includes blind spot detection (BSD)\*, rear cross traffic alert (RCTA)\*, rear cross traffic braking (RCTB)\*, rear collision warning (RCW)\*, and door open warning (DOW)\*. It detects the environment behind the vehicle through corner mmWave radars installed on both sides of the rear bumper so as to remind the driver of safe driving.

### **Blind Spot Detection (BSD)\***

At vehicle speeds between 15–150 km/h, if rear corner mmWave radars detects a vehicle in blind spots on or a vehicle approaching quickly from the adjacent lane, the indicator on the corresponding side mirror lights up. If the turn signal for the same side is turned on at this moment, the alarm indicator on the side mirror flashes to alert the driver of a risky lane change.



### Rear Cross Traffic Alert (RCTA)\*

When the vehicle is reversing at a speed no more than 15 km/h, RCTA detects the vehicles traveling in the blind spot at the back through rear corner mmWave radars. If the system determines that a vehicle approaching from behind poses a risk of collision, the side mirror warning indicators flash and an audible alarm is given to alert the driver, reducing the possibility of collision.

### Rear Cross Traffic Braking (RCTB)\*

When the vehicle is reversing at a speed no more than 9 km/h, RCTB detects the vehicles traveling in the blind spot at the back through rear corner mmWave radars. If the system determines that a vehicle approaching from behind poses a risk of collision, it performs emergency braking automatically.

### Rear Collision Warning (RCW)\*

At vehicle speeds between 5 km/h and 146 km/h, if the rear corner mmWave radar detects a risk of collision with a vehicle approaching quickly from behind on the current lane, the hazard warning light turns on to warn the driver in that vehicle against a possible collision.

### Door Open Warning (DOW)\*

DOW is realized with rear corner mmWave radars installed on both sides of the rear bumper. When the vehicle is stationary with doors unlocked, the system keeps indicators on side mirrors solid on to warn the driver if moving objects, such as

bicycles or automobiles, on an adjacent lane are approaching from behind. At the same time, an icon is displayed on the instrument cluster. If the driver attempts to open the door at this time, indicators on side mirrors begin to flash and a chime sounds.

### Function Button Operation

- Enable or disable BSD, RCTA, RCTB, RCW, or DOW in → **ADAS** → **Active Safety** → **Blind Spot Assist**.
- When the blind spot assist system is disabled, no relevant indicators are displayed on the instrument cluster.
- When the blind spot assist system is standing by, if vehicle conditions, such as speed or gear status, do not meet the requirements of any function, is displayed on the instrument cluster and blind spot assist will not be activated.
- If the blind spot assist system malfunctions, is displayed on the instrument cluster.
- When the blind spot assist system is active, is displayed on the instrument cluster, meaning that the function has been activated and can trigger alarms at any time.

### Precautions

- While the BSD system provides assistance in monitoring blind spots of rearview mirrors, it cannot replace the driver's observation and judgment. The driver must keep control of vehicle at all times and drive properly and is fully responsible for the vehicle.
- The BSD system may be unable to provide adequate warning on target vehicles approaching from behind at a high speed.

- The driver must ensure the normal operation of the BSD system, keeping its rear corner mmWave radars in good condition. For example, dirt, snow, or other obstructions need to be cleared right away.
- The BSD system gives a warning if unrelated targets at the rear side or in the rear (such as work zone barriers, large roadside billboards, reflectors in tunnels, or other objects with a large radar cross section) are mistakenly selected as target vehicles.
- Detection may be affected or delayed in some environments. If the radar cross section of the target vehicle is too small (a bicycle, electric moped or pedestrian, for example), the system may fail to identify targets, leading to false alarms. In addition, detection may also be affected or delayed by noise or electromagnetic interference.
- Rear corner mmWave radar(s) come off, are loosely installed, or are blocked.
- The vehicle encounters certain metal guardrails or similar road conditions.
- Targets that may not be responded include, but are not limited to, pedestrians and animals.
- The environment contains electromagnetic interference or other influences.
- Vibration or collision influence on sensor calibration of BSD's rear corner mmWave radars can degrade system performance. If this is detected, contact a BYD authorized dealer or service provider.


### System Limitations

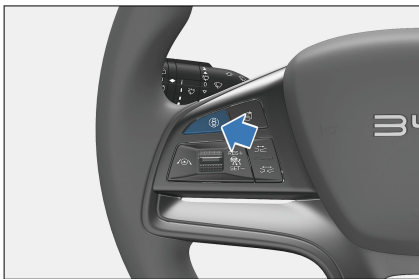
- Under some circumstances, it is difficult for the system to assist the driver, and detection may be affected or delayed. Possible circumstances include, but are not limited to:
  - The vehicle coming from behind changes the lane suddenly.
  - Vehicles coming from behind are detected too late at sharp turns, slopes, or other settings.
  - The target vehicle is obscured.
  - Vehicles come from behind at a relative speed above 80 km/h.
  - The vehicle is on a curve which is too sharp, or is entering or exiting a curve.
  - The vehicle is running under severe weather, such as rain or snow.

### WARNING

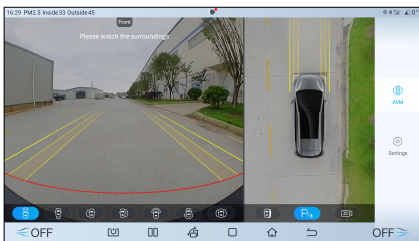
- Blind spot assist serves as a driver assistance function only, so the driver must be fully responsible for driving safety.
- Influence of weather, road conditions, and other factors may cause blind spot assist to fail.
- Use blind spot assist based on your needs, traffic, and road conditions.


## Panoramic View System

With the ignition switched on, tap **Panoramic View** on the infotainment system homepage or press the  button on the steering wheel to access the panoramic view.



- Landscape mode:
  - Tap the front, rear, right, or left area of the vehicle icon on the left. View of the selected area is displayed in the image section on the right.



- In the single front and rear views, double-tap the image section to switch to a 180° perspective displayed in full screen.
- Tap the radar icon  in the panoramic view to enable the radar display, and tap it again to disable it. When the radar display is enabled, a warning is displayed as the vehicle is approaching an obstacle.
- Portrait mode:
  - Tap any two of the front, rear, right, and left areas of the vehicle icon in the lower left section. Views of the two selected areas are displayed in the upper and lower right image section.
  - Slowly tap the vehicle image on the right to switch between transparent and non-transparent vehicle images.

- After the vehicle starts, the image before last power-off is displayed on the transparent panoramic view screen. Foreign bodies shown may be inconsistent with the actual ones in the underbody and surrounding blind areas. The underbody image update will begin only after the vehicle has started to run and will be complete when the vehicle has been driven beyond its length.

### WARNING

- The panoramic view system is only to be used for parking/driving assistance. It is not safe to rely solely on this system to park or drive the vehicle, because there are some blind spots in front of and behind the vehicle. The surroundings of the vehicle should be observed in other ways during the parking/driving process, so as to avoid accidents.
- When the side mirrors are not extended in place, do not use the panoramic view system; and when the panoramic view system is used for parking/driving, ensure that all the car doors are closed.
- Cameras are installed above the front grille, the lower parts of the side mirrors, and the rear license plate. Make sure the cameras are unobstructed.
- Protect the cameras from any impact to prevent damage or malfunction.

### CAUTION

- This system uses wide-angle fisheye cameras, so the object on the display screen may appear somewhat deformed in

## CAUTION

comparison with the actual object.

- The distance to an object displayed on the panoramic view screen may be different from the distance perceived subjectively, especially when the object is closer to the vehicle. Assess the distance in various ways.
- To prevent affecting camera performance, avoid spraying directly on the cameras when washing the vehicle body with high-pressure water. Wipe any water or dust off the camera in time.
- After the vehicle is powered on, if you press the panoramic view start button or shift into reverse while the infotainment system is not fully activated, the output on the panoramic view screen will be delayed or the screen will flash. This is a normal part of the camera power-on process.
- When the vehicle runs at a low speed, the transparent panoramic view function is affected by speed fluctuation or multiple stops, so there will be misalignment between the images below the vehicle and that outside the vehicle.
- The brightness of the reversing image can be varied depending on the touchscreen brightness. Adjust the brightness as you desire.

## Parking Assist System\*

- During vehicle parking, the parking assist system detects obstacles by


sensors, and prompts the driver with the proximity of obstacles by an image on the infotainment touchscreen\* and a speaker alarm.

- The parking assist system helps with reversing. Pay attention to the environment behind and around the vehicle during reversing.
- When you reverse the vehicle, a reversing image\* will be displayed on the infotainment touchscreen automatically.
- For your driving safety, when the reversing image is displayed, all buttons will be disabled except some volume and calls-related buttons.
- After reversing ends, the interface will be restored.

## CAUTION

- The parking assist system ceases to operate when the vehicle is moving forward at over 10 km/h.
- Do not place any articles within the sensors' working range.
- To prevent sensor malfunction, do not wash the sensor area with water or steam.

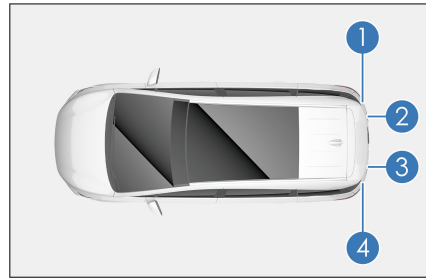
## Parking Radar Switch

- Turn the parking radar system on or off with the parking radar switch or on infotainment touchscreen  → **ADAS** → **Parking Assist**.
- When the ignition is switched on and EPB is released, the parking assist system is enabled automatically.
- When enabled, the system raises an alarm if obstacles are found surrounding the vehicle; when disabled, it does not.

## Sensor Type

- When the sensor detects an obstacle, an image is displayed on the infotainment touchscreen according to the location of the obstacle and its distance from the vehicle.
- When the driver conducts parallel parking or reverse parking, the sensor measures the distance between the vehicle and the obstacle and communicates this information through the infotainment touchscreen and the speaker. Be aware of the surroundings when using this system.

- ① Rear right corner sensor
- ② Rear right center sensor
- ③ Rear left center sensor
- ④ Rear left corner sensor





## Distance Display and Speaker

When the sensor detects an obstacle, the location of the obstacle and its approximate distance from the vehicle are displayed on the infotainment touchscreen, and the speaker beeps.

### Working example of center sensors

Approximate Distance (mm)	Touchscreen Display Example	Alarm Sound
About 700 to 1,200		Slow honk
About 300 to 700		Sharp honk
About 0 to 300		Continuous

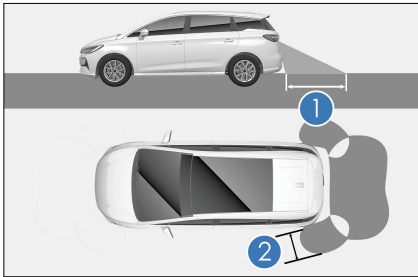
### Working example of corner sensors

Approximate Distance (mm)	Touchscreen Display Example	Alarm Sound
About 300 to 600		Sharp honk
About 0 to 300		Continuous

### Working Sensors and Detection Range

The detection range of the sensors may vary depending on the shape of obstacles and other factors.

- ① About 1,200 mm
- ② About 600 mm



#### CAUTION

- The sensors may fail to detect obstacles that are very close to the vehicle.
- The detection range of the sensors may vary depending on the shape of obstacles and other factors.

### Sensor Detection Information

- Certain vehicle conditions and surroundings may affect the sensors' ability to accurately detect obstacles.

Sensor detection accuracy may be affected if:

- There is dirt, water or ice block on the sensor.
- There is snow or frost on the sensor.
- The sensor is blocked.
- The vehicle leans significantly to one side.
- The vehicle is moving on particularly bumpy roads, slopes, gravel or grass.
- The vicinity is noisy due to honking of vehicles, motorcycle engines, air brakes of large vehicles, or other noises that produce ultrasonic waves.
- There's another vehicle with parking assist sensor nearby.
- The sensor is blocked by a layer of fog or rain.
- The vehicle is equipped with a fender antenna mast or wireless antenna.
- The vehicle is fitted with a tow eye.
- The bumper or the sensor was hit hard.
- The vehicle is approaching a high or zigzag curb.
- The vehicle is driving in the sun or in the cold.

- The suspension (low suspension, etc.) that does not match the original parameters has been installed.
- Except as described above, sometimes due to the shape of traffic signs and other objects, sensors may not be able to correctly determine the actual distance between the vehicle and them.
- The shape and material of obstacles may prevent sensors from detecting them, especially the following:
  - Electric wires, fences, and ropes
  - Cotton, snow, and other materials that absorb radio waves
  - Any object with sharp edges and corners
  - Low obstacles
  - High obstacles facing outwards towards the vehicle

## Driving Safety Systems

For better driving safety, the following driving safety systems works automatically based on driving conditions. However, these systems only provide assistance, and excessive reliance on them is not recommended.

### Intelligent Power Braking System

The intelligent power braking system is an advanced decoupled electro-hydraulic braking system, incorporating vacuum booster, electronic vacuum pump, and ABS/ESC functionality. The system assists vehicle braking according to the driver's demands. It offers advanced control functions such as ABS, electronic brake force distribution (EBD), traction control system (TCS), vehicle dynamic control (VDC), comfort parking (CST), hill-start hold control (HHC), hydraulic brake assist

(HBA), and controlled deceleration for parking brake (CDP) to improve vehicle stability and comfort, and the recovery efficiency of brake energy.

### Vehicle Dynamics Control (VDC)

When the vehicle turns suddenly while running, the VDC system determines the driver's intention based on such information as steering wheel's angle and vehicle speed, and continuously compares with the actual condition. If the vehicle swerves from the normal lane, the VDC corrects the situation by engaging brakes to the corresponding wheels to help the driver control skidding and maintain directional stability.

### Traction Control System (TCS)

TCS prevents the drive wheels from skidding during acceleration by reducing the motor power, and, when necessary, applies braking forces to prevent drive wheels from spinning. It makes it easy for the vehicle to start, accelerate, and climb under adverse driving conditions.

### Hill Hold Control (HHC)

After the brake pedal is released, HHC maintains brake pressure for one second to prevent backward sliding.

### Hydraulic Brake Assit (HBA)

When you press the brake pedal quickly, HBA detects that the vehicle is in emergency condition. It quickly increases the brake pressure to the maximum so that ABS can intervene more quickly and shorten the braking distance effectively.


### Controlled Deceleration for Parking Brake (CDP)

When you engage the EPB, the CDP function starts working so that the vehicle brakes at a constant deceleration (0.4 g if EPB is engaged but the brake pedal is not pressed, and 0.8 g if EPB is engaged and the brake pedal is pressed) until the

vehicle stops. The function stops working when the EPB is released.

## Electronic Stability Controller (ESC)

### Operation instructions

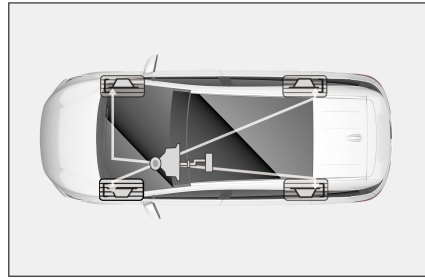
- ESC working
  - If there is a risk of skidding or backsliding when the vehicle starts on a slope, or if either drive wheel is spinning, the ESC indicator flashes to indicate that ESC system is working.
- Disabling ESC
  - If the vehicle gets stuck in snow or mud, ESC may reduce power output from the motor to the wheels. In this case, you may need to turn off the system to get out of the jam.
- Turning off ESC
  - To turn off the ESC system, go to the infotainment touchscreen. ESC also checks its operating status in real time. If ESC OFF switch is pressed while ESC system is working, the system will complete the active intervention control rather than executes the "shutdown" command immediately. ESC is disabled only after the intervention control is complete.
  - Some ESC functions may be re-enabled if you press the ESC OFF switch again or the vehicle speed exceeds the threshold (80 km/h). In order to prevent ESC from being turned off suddenly, ESC can be activated again only when it is not in a vehicle dynamic intervention state.
- ESC OFF switch mis-operation
  - ESC is considered to be mis-operated if the ESC OFF switch is pressed and held for more than 10 seconds. In that case, all internal ESC functions continue to work.
- Restarting ESC after the motor is powered off
  - When the ESC system has been turned off, restarting the motor will automatically restart ESC system.
- ESC start and speed linkage
  - Although already turned off, the ESC system can start on its own if the vehicle becomes extremely unstable as the speed increases and exceeds the threshold of 80 km/h.
- When ESC system is activated
  - If the ESC fault indicator  flashes, drive with extra care to avoid accidents. Exercise additional caution when the indicator is flashing.
- With ESC system disabled
  - Be careful when ESC is disabled, and drive at speeds suitable for road conditions. The ESC system ensures vehicle stability and its driving force. Never turn it off unless necessary.
- Replacing tires
  - Make sure all tires are of the same size, brand, tread pattern, and total load. In addition, be sure to inflate tires to the recommended pressure.
  - Neither ABS nor ESC will work properly if the vehicle is fitted with different tires.
  - For details on tire or wheel replacement, it is recommended to contact a BYD authorized dealer or service provider.
- Tire and suspension handling
  - The use of any defective tire or modified suspension affects the driving safety system and may cause the system to fail.

## WARNING

- ABS cannot work effectively under the following conditions:
  - Tires with inadequate grip are used (for example, excessively worn tires used on snow-covered roads).
  - The vehicle skids when driving at a high speed on slippery roads. ABS is not designed to reduce the braking distance of the vehicle.
- Always keep a safe distance from the vehicle ahead on:
  - Muddy, sandy, or snowy roads.
  - Roads with potholes or uneven roads.
  - Bumpy roads
- TCS may not work effectively in the following situations:
  - On slippery roads, even if TCS is working properly, it may not be able to control the direction and meet power requirements.
  - Do not drive in conditions where the vehicle may lose its stability and power.

### Antilock Braking System (ABS)

- The ABS hydraulic system has two separate circuits, each running diagonally through the vehicle (left front wheel brake connected to the right rear wheel brake). If one circuit fails, two wheels can still be braked.
- ABS helps maintain the steering control by preventing the wheels from locking or skidding when brake is engaged suddenly or on slippery roads.



- When the front tires skid, there is no steering control, which means that the vehicle still moves forward even though the steering wheel is turned. ABS helps prevent locking and maintain steering control since pulsating prompt brake is much faster than human reaction.
- Never pulsate the brake pedal; otherwise, ABS may malfunction. While steering away from danger, a firm and steady pressure should always be maintained on the brake pedal for the ABS to work.
- When the ABS is working, the brake pedal will vibrate, which may produce noise. This is normal because the ABS is pulsating the brake quickly.

## REMINDER




- ABS does not reduce the time and distance required to stop the vehicle. It only helps control steering when braking. Always keep a safe distance from other vehicles.
- ABS cannot prevent skidding caused by sudden direction change, such as trying to make a sharp turn or change lanes suddenly. Always drive carefully at a safe speed, regardless of road and weather conditions.



## REMINDER

- When running on soft or uneven surfaces (such as gravel or snow), a vehicle with ABS may require a longer braking distance than a vehicle without ABS. In such cases, slow down and keep a long distance from other vehicles.

## Tire Pressure Monitoring System

- The direct tire pressure monitoring system is an auxiliary system that monitors tire pressure in real time to improve vehicle safety and comfort and reduce tire wear and energy consumption due to insufficient tire pressure.
- You can access the instrument cluster menu by pressing the  button on the steering wheel, navigate to the driving information bar by pressing the  and  buttons, and then select the tire pressure display screen using the scroll button.

### Tire pressure system alarm

- When the pressure of any tire is lower than 75% of the standard tire pressure and the system is running, the tire pressure fault warning light lights up and the tire pressure value turns yellow. In that case, it is recommended to check for slow air leakage and inflate the tire to the correct pressure value.
- When the temperature of any tire is above 85°C for three consecutive minutes, the tire pressure system gives a high temperature alarm, and the temperature value of the corresponding tire turns yellow. You are then recommended to stop

the vehicle and wait for the tire temperature to decrease before further driving.

- When the system is running, if a fault occurs, the tire pressure fault warning light is solid on after flashing, and the message "No Signal" or "Please check the TPMS" is displayed on the instrument cluster. In that case, check the tire pressure monitoring module, and check for any surrounding electromagnetic source nearby. If the alarm persists for a long time, please contact a BYD authorized dealer or service provider.



## WARNING

- If the tire pressure is not normal, the system will not prevent the vehicle from traveling. Therefore, each time before driving, the vehicle should be started statically to check whether the tire pressure meets the requirements specified by the manufacturer. If not, do not drive the vehicle. Otherwise, the vehicle will be damaged or personal injury will occur.
- If pressure is found to be abnormal while driving, check the tire pressure immediately. If the low pressure warning light comes on, avoid sharp turns or emergency braking, and reduce vehicle speed, pull it over to the curb and stop as soon as possible. Driving with low tire pressure can cause permanent damage to tires and increase the likelihood of tire scrapping. Serious tire damage can lead to traffic accidents, resulting in serious injuries or deaths.

## CAUTION

- The running time of the tire pressure monitoring module is related to the daily travel distance and other factors.
- The tire pressure monitoring module regularly transmits tire pressure and other information to the display. Therefore, if the tire pressure drops suddenly or there is a flat tire, the monitoring module will not transmit data to the display until the next monitoring. In this case, the vehicle may be out of control. If there is a flat tire and monitoring fails to inform, or if you feel that there is some tire problems, stop driving immediately instead of waiting for the display to signal an alarm.
- If the tire pressure monitoring module is installed incorrectly, it will affect the air tightness of the tire. It is recommended that the installation and replacement of the pressure monitoring module be carried out by professional technicians of a BYD authorized dealer or service provider in accordance with the requirements of the installation manual.
- Since tire pressure varies with regional temperatures, inflate or deflate the tires according to the values displayed on the instrument cluster and the standard tire pressure values.
- If the vehicle is equipped with non-BYD approved electrical accessories, the tire pressure monitoring system may be disturbed, do not misunderstand the disturbance as a tire pressure system failure.

## CAUTION

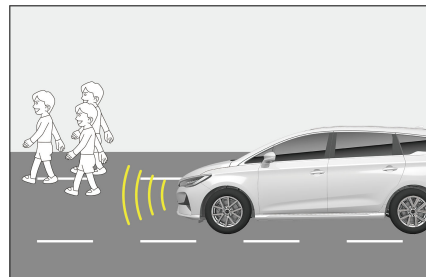
- When replacing wheel rims or spare tires\* or performing tire rotations, the tire pressure system needs to be matched again. Please go to a BYD authorized dealer or service provider to re-match the tire pressure.

## Acoustic Vehicle Alerting System (AVAS)

Acoustic vehicle alerting system (AVAS) refers to the broadcast to pedestrians near the vehicle when it is traveling at low speed.


### System Function

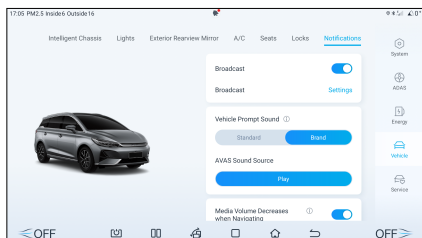
- When driving forward:
  - The broadcast volume increases with vehicle speed in the range of  $0 \text{ km/h} < v \leq 20 \text{ km/h}$ .



- The broadcast volume decreases with vehicle speed in the range of  $20 \text{ km/h} < v \leq 30 \text{ km/h}$ .
- At speeds above 30 km/h, the broadcast sound stops automatically.
- The vehicle makes a continuous and balanced prompt sound when moving in reverse.

## How to Use

- The system is enabled by factory default. AVAS has two sound sources: standard and brand. To choose a sound source, go to  → **Vehicle** → **Notifications**.
- After a sound source is chosen, tap **PLAY** to get an acoustic impression. The sound is played for five seconds at each tap.



### **WARNING**

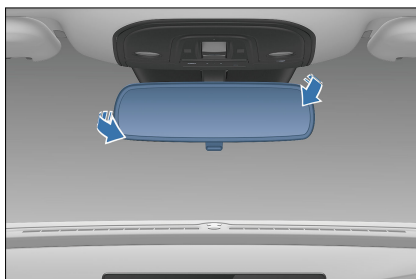
- If the AVAS prompt sound cannot be heard when driving at a low speed, stop the vehicle in a relatively safe and quiet place, open a window, then drive in R gear and check whether you can hear an audible prompt from the front of the vehicle. If it is confirmed that there is no sound, contact a BYD authorized dealer or service provider to deal with it.

## Other Main Functions

### Interior Rearview Mirror

#### Adjusting the Rearview Mirror Manually

Move the interior rearview mirror up or down, left or right to a suitable position.



### Manual Anti-glare Function

Interior rearview mirror has two working modes: normal mode and anti-glare mode.

- Normal mode: Turn the control lever to position ①, in which the image in the interior rearview mirror is the clearest.
- Anti-glare mode: Rotate the control lever to ② to effectively reduce interference from headlights of rear vehicles at night. Note that anti-glare may lower the clarity of rear visual field.



### **WARNING**




- Adjusting the interior rearview mirror before driving. Do not adjust the rearview mirror while driving. This may distract your attention, causing accidents.
- Do not hang heavy objects from the interior rearview mirror, or shake or drag it with force.

## WARNING

- When manually adjusting the interior rearview mirror, do not forcibly adjust the stuck mirror to avoid the mirror falling off.


## Power Side Mirrors

Adjust the power side mirrors to the proper position before driving.

- Selection switches: used to select the side mirror to be adjusted.
  -  : Left side mirror button
  -  : Right side mirror button
- Side mirror adjustment buttons  : used to adjust the side mirror lens. Press the switch indicating the desired direction.



## Folding Side Mirrors

- Press the  button to fold the side mirrors with power. Press the button again to unfold the mirrors.
- Both side mirrors fold automatically when the anti-theft alarm system is armed, and extend automatically when the system is disarmed.



## WARNING

- Adjusting side mirrors before driving. Do not adjust the side mirrors while driving. This may distract your attention, causing accidents.

## Wipers

Inspect wiper blades for cracks or partial hardening at least every three months. If they are noted, replace wiper blades. Otherwise, the windshield will streak or will be left unclean after wiping.

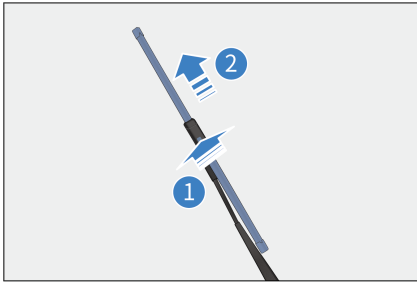
## CAUTION

- Do not open the hood when wiper arms are lifted, otherwise it may damage the hood and wiper arms.

## Replacing Wiper Blades

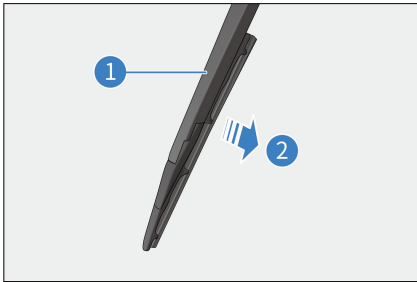
### Replacing front wipers

1. Pull up the wiper arm at the driver side, and then pull up the other at the passenger side.
2. Press the wiper lock button ①.
3. Hold the wiper blade and pull it out along the indicated direction ②;
4. When installing a new wiper blade, follow the reverse procedure.



### Replacing rear wipers

1. Pull up the wiper arm;
2. Hold the wiper in position ①, and pull the blade out vertically along the indicated direction ②.
3. When installing a new wiper blade, follow the reverse procedure.



### Snow Chains\*

- Snow chains are only for emergencies or areas where they are permitted by laws.
- Snow chains should be installed on the drive wheels. Be careful when driving the vehicle installed with snow chains on snow-covered roads. Some snow chains may damage the tires, wheels, suspension, and vehicle body. Therefore, use thin snow chains so as to provide enough free space between tires and other parts in the hubcap.
- Read the component assembly drawings and other instructions

provided by the snow chain manufacturer carefully.

- Before purchasing and installing snow chains, consult a BYD authorized dealer or service provider where your vehicle was purchased.
- After snow chains are installed, be sure to travel at a speed below 30 km/h on snow-covered roads.
- In order to minimize wear of tires and snow chains, do not travel with snow chains on roads without snow.

#### CAUTION

- Driving speed must not exceed 30 km/h or the speed limit specified by the snow chain manufacturer.
- Drive carefully and pay attention to bumps, potholes, and sharp turns that can cause the vehicle to bounce.
- For vehicles with snow chains, avoid sharp turns or braking with locked wheels, and slow down the vehicle before entering a curve to avoid accidents due to loss of control.

# 05

## **IN-VEHICLE DEVICES**

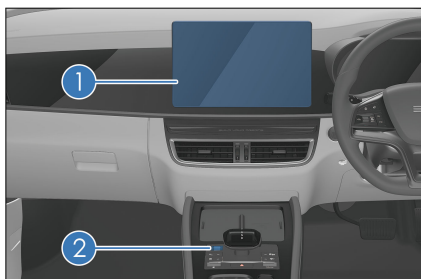
Infotainment System.....	130
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# Infotainment System

## Infotainment Touchscreen

When the ignition is on, the initial screen is displayed for several seconds and the infotainment system starts to work. To better experience infotainment functions, such as apps and Internet calls, the system must be used after network connection.

- ① Infotainment touchscreen
- ② Scroll button



- When the infotainment system is already started, press the button to turn audio off, press a second time to turn audio on. Press and hold the button for three seconds to restart the infotainment system.
- Scroll up to turn volume up or down to turn volume down. Volume ranges from 0 to 39. A mute icon is displayed when volume is 0.

### Reset to factory settings

- This function factory resets the infotainment system.
  - During the process, do not touch any infotainment button or turn off the power supply, or errors may occur.

- The process takes two to five minutes.








### WARNING

- Do not use a high-power inverter in the vehicle, as this may cause infotainment system malfunction.
- Do not format or root the device without authorization, as this may cause infotainment system or vehicle malfunction.
- In driving, please use the infotainment system in landscape mode wherever possible for your safety.

### CAUTION

- To prevent damage to the touchscreen:
  - Touch the screen gently. If there is no response, remove finger from the screen, then touch it again.
  - Clean the screen with a soft damp cloth. Do not use any cleaning product.
- Using the touchscreen
  - When the screen temperature is low, the image displayed may be darker or the system may work slightly slower than normal.
  - The screen may be dark or difficult to see when you are wearing sunglasses. In that case, change the viewing angle or take off the sunglasses.
  - The touchscreen buttons that are grayed out cannot be operated.
- The touchscreen interface shown here is for reference only.

## Navigation Bar

-  : returns to the previous page or exits the program.
-  : returns to the homepage.
-  : goes to vehicle setting screen.
-  : splits screen if applications support.
-  : enables screen saver.
-  : shows recently opened applications.
-  : switches between landscape and portrait touchscreen modes.

## Gestures and Responses



Gestures and associated system responses are:

- Tapping: opens applications, selects functions, clicks icons on the touchscreen, or types characters.
- Dragging: touching and dragging an icon, thumbnail, or preview to the target position to change its location.
- Swiping: operational on homepage and app screens.
- Double-tapping: zooms in or out an image.
- Spreading/pinching: zooms in or out an image with two fingers.

## BYD Assistant

BYD Assistant is an intelligent voice assistant that responds to your voice commands, such as requesting navigation, playing music/radio, making

a phone call, and controlling in-vehicle devices.

- Waking up BYD Assistant:
  - On the steering wheel, press the  button.
  - On the infotainment touchscreen, tap .
  - Say the wake-up word: "Hi, BYD."
- Your voice commands can be recognized after system wake-up.
- Give any instructions.
  - This may be "Go home" (shortcut locations set), "Play music", "Make a call" (contacts data and Bluetooth connection required), "Set the temperature to 23°C", or "Turn on the seat ventilation for the driver". BYD Assistant then performs the recognized instruction.

## Bluetooth Call



### Connection

1. On Bluetooth Call screen, tap **Please connect Bluetooth** to establish connection.
2. Tap **Scan for devices** to search for available device.
3. Pair the available device, and make sure the pairing code displayed on your phone is consistent with the code on the touchscreen.
4. Set Bluetooth when connection is complete.

### Bluetooth Call

Go to the dialing screen when Bluetooth is connected.

- Tap **Contacts**, **Call log**, and **Missed calls**, or use dial keypad to make a call.

- Tap  to zoom in or out the dialing screen.
- Tap  to display or hide the dial keypad.
- In panoramic view screen, a small window pops up to inform driver of a call.

## File Management

### New folder

- Go to file management screen to create new folders. You can enter the folder name, and tap **OK** or **Cancel** to perform actions.
- Tap the top of the file management screen to change file sources.

### Search

- Tap Search on the upper left corner and enter file names to search for target files.

### Cut/Copy

- Touch and hold any file, select target files and operation (copy, move or delete), and then go to the edit status.

### Rename

- Touch and hold any file, select Rename in dialog displayed, rename the selected file, and then tap **OK**.

### Delete

- Touch and hold any file, select files, and then tap **Delete**.

### Sort

- Files are sorted by name by default. You can also sort them by size, type, or time.

### Attributes

- Touch and hold any file, select a file, and then tap Details to check its attributes.

## External Applications

This infotainment system is an Android-based system that supports the installation of external apps.

- Installing external apps:
  1. Download the intended app.
  2. Tap the app file, select **Allow App installation** to install it.
  3. The installed app is in the app list. Tap to use it.



### CAUTION

- Applications that are not officially certified may not work properly.
- Installing a lot of unnecessary software may make the system unusable. Please use this function with caution.

- Uninstalling external apps:
  1. In **System Settings** → **Apps** → **Apps**, select the app to uninstall.
  2. Tap **Uninstall** and confirm.



### CAUTION

- The applications on the infotainment system cannot be downloaded.

# A/C System

## A/C Buttons

- ① A/C ON/OFF
- ② Front windshield defroster



## A/C Operation Interface

### Front A/C Operation Interface



- |   |                                       |    |  |
|---|---------------------------------------|----|--|
| 1 | A/C operation interface               | 9  | Ventilator                                   |
| 2 | Vent/Heating*                         | 10 | Circulation mode                             |
| 3 | Air purification system*              | 11 | Defroster for rear windshield & side mirrors |
| 4 | A/C setting                           | 12 | Front windshield defroster                   |
| 5 | Driver's temperature control          | 13 | Max cooling                                  |
| 6 | Fan speed control                     | 14 | Cooling                                      |
| 7 | Air distribution                      | 15 | Auto mode                                    |
| 8 | Front passenger's temperature control | 16 | A/C ON/OFF                                   |

## Rear A/C Operation Interface



1 Rear A/C controls

2 A/C ON/OFF

3 Rear button lock

4 Fan speed control

# Air Purification System\*

The air purification system purifies airborne PM2.5 particles. When A/C is turned on, the system thoroughly

removes PM2.5 particles from the air blown into the cabin.

## Air Purification Operation Interface



- 1 Air purification button
- 2 Outside PM2.5 value and level
- 3 PM2.5 detection
- 4 Quick purification
- 5 Inside PM2.5 value and level

### PM2.5 detection

- Tap this button to detect interior and exterior air quality. The detection values and levels are displayed on the infotainment touchscreen in real time.
- Tap a second time to turn off air quality detection function.

### Quick purification

- Tap this button to enable quick purification.
- Tap a second time to disable it.

### Outside PM2.5 value and level

- The area displays the PM2.5 value and level outside the vehicle.

### Inside PM2.5 value and level

- The area displays the PM2.5 value and level inside the vehicle.


#### ! REMINDER

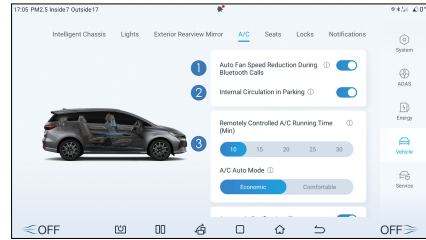
- The PM2.5 value detected by the on-board air purification (PM2.5) detector is the PM2.5 value in the air near the vehicle carrying the device in a short time, which should be different from the daily or real-time PM2.5 value declared by national and relevant government authorities.

## ! REMINDER

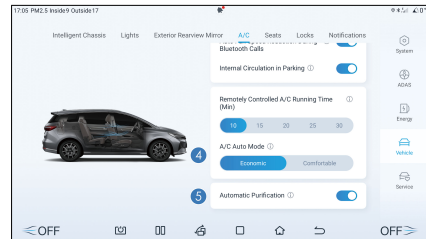
- Reduce the frequency of PM2.5 detection in the following environments:
  - Sandstorms and other such extremely harsh environments;
  - Cold regions (ambient temperature  $< -20^{\circ}\text{C}$ );
  - High humidity environments (relative humidity  $> 90\%$ );
  - Environments with a change in temperature (prone to condensation), such as driving in from a cold environment to a high-temperature indoor environment or parking lot.
- Running maximum fan speed in recirculation mode can quickly reduce the concentration of fine particles in the air inside the vehicle.

## A/C Settings

- To access the A/C setting interface, go to  → **Vehicle** → **A/C**.
- ① Fan speed reduction during calls
  - Tap this button to enable this setting.
  - Tap this button a second time to disable it.
- ② Auto air recirculation when parking
  - Tap this button to enable this setting.



- Tap this button a second time to disable it.
- ③ Remotely controlled air conditioner running time
  - Tap this button to set the time for remote A/C running.



- ④ Auto A/C mode
  - Two options are available: economic and comfort.
- ⑤ Automatic purification
  - Tap this button to enable auto purification function.
  - Tap this button a second time to disable it.

## Function Definition

### A/C ON/OFF

- When the A/C is on, tap this button to turn the A/C off. The air outlet mode keeps unchanged, while the air input mode turns to recirculation mode.
- With the A/C turned off, tap to turn on the A/C in the memorized modes, with

the last set temperature, fan speed and air outlet mode.

### Auto mode

- After tapping this button, its indicator lights up, and compressor status, fan speed and air distribution can be adjusted automatically.
- The vehicle exits auto control if fan speed or air distribution is set, and other functions remain in auto mode except for those that have been operated.

### Fan speed control

Tap the suitable fan speed level button to set the speed at a desired level. A higher level indicates a higher fan speed and input air volume.

### Front windshield defroster

- Tap this button, the indicator turns on, and air is distributed to the front windshield and side windows. Tap this button a second time, the button indicator turns off, and the A/C will return to the status used last time.
- Press this button to activate windshield defrosting and demisting and no matter whether the compressor control button is operated or not, the A/C will also be turned on.

### Temperature controls

- To increase/decrease the temperature, tap the upper/lower arrow on the screen, or touch the temperature display area and then swipe downwards/upwards.
- "Lo"/"Hi" is displayed when the temperature is set to the lowest/highest value.

### Cooling

Tap this button to activate the A/C compressor. The icon lights up, the compressor starts working, and cooling

begins. Tap this button again to deactivate the A/C compressor. The button indicator goes out and the compressor stops working.

### Max cooling

- Tap this button to switch the A/C to the maximum cooling control mode. The temperature is set to "Lo", the fan speed is set to the maximum, the recirculation mode is activated, and air is directed to face level.
- Tap this button again to exit.

### Circulation mode

Tap this button to switch to recirculation mode. Tap it again to switch to fresh air mode.

### Ventilator

- Tap this button to activate A/C ventilation control. The outlet air is natural air.
- Tap this button again to deactivate A/C ventilation control and enter auto mode.

### Rear defroster

- Tap this button to heat up and defrost the rear windshield. It will be automatically disabled after 15 minutes if there are no other commands.
- Tap this button a second time to disable the function.
- This function is not for drying raindrops or melting snow.



### CAUTION

- When the ignition is off, be sure to turn off the defogger switch to prevent the low-voltage battery from discharging.

### Air distribution

- Tap an icon of A/C system on the infotainment touchscreen to select the corresponding air distribution mode.
- You can turn on different air distribution modes at a time (up to two).
- Adjustments can be made according to the air supply illustration.

➔ : Air flows to the face level.

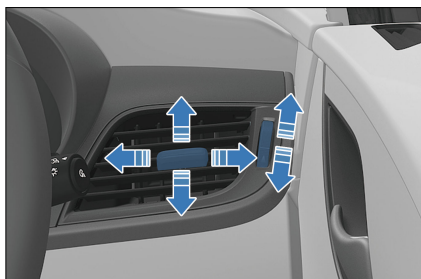
↓ : Air flows to the foot level.

🌬️ : Air flows to the front windshield and side windows.

## Vents

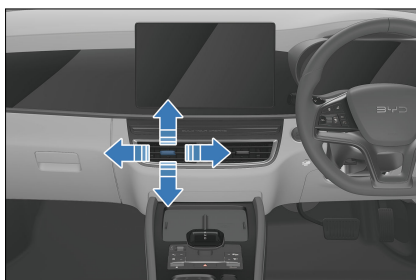
### Side Vents

- Turn the roller to increase/reduce air flow or to open/close the vent.
- Toggle the vent stick to adjust the outlet angle of airflow.



### Center Vent

- Turn the roller to increase/reduce air flow or to open/close the vent.
- Toggle the vent stick to adjust the outlet angle of airflow.



## Usage Precautions

- To quickly cool down the interior after long exposure to sunlight, drive for a few minutes with the windows open to exhaust hot air and speed up A/C cooling.
- To speed up cooling, adjust the temperature to "Lo" and use the recirculation mode for a few minutes.
- Make sure that the air intake grille in front of the windshield is not blocked (for example, leaves or snow).
- Avoid blowing cool air onto the windshield in humid weather. The inner and outer temperature difference can cause glass fogging.
- Keep the space under the front seats clear to improve air circulation.
- Use recirculation mode for a few minutes for quick heating in cold weather, and switch to fresh air mode to prevent fogging after the cabin is heated up.
- In cold weather, run the fan at high speed for one minute to remove snow or moisture from the intake passage and reduce fogging.
- In dusty or windy driving conditions, close all windows, switch on the recirculation mode, and turn on the A/C.

- In heating mode, press the cooling button to reduce airflow moisture and the button lights up (the compressor is on).
- In the ventilation mode, the system introduces the natural wind from outside, which is suitable for spring and autumn.

#### REMINDER

- It is normal that there may be a damp and moldy smell just after the A/C is turned on. During the operation of the automobile A/C, A/C condensation often remains in the evaporator, and the wet evaporator can easily absorb unfiltered body sweat, smokes, etc., inside the vehicle. Condensation not blown dry makes the dark and damp evaporator surface prone to mold, which is very likely to produce unpleasant odors by long-term fermentation.
- How to prevent A/C odors:
  - Turn off the A/C and ventilate with natural air before parking to keep the air inside the vehicle relatively dry.
  - Inspect, clean, or replace the filter regularly.
  - Try to keep the cabin clean and fresh.
- If the odor persists after odor prevention methods are used, it is recommended to contact a BYD authorized dealer or service provider for repair.
- In order to reduce odors from the A/C, if the A/C is already turned on, the A/C blower may keep running for a while after the vehicle is powered off and locked. That is because the condensed

#### REMINDER

water on the surface of the evaporator needs to be dried to prevent mold fermentation. It is normal for the A/C blower to start running automatically when you lock the vehicle. No need to worry about it.

## BYD App

### About BYD App

- BYD app is a mobile application of Internet of Vehicle (IoV) developed by BYD independently. It allows you to control the vehicle remotely and check vehicle conditions, delivering cloud era experience of IoV.
- Search for "BYD" in Google Play or App Store to download and install BYD app.

### Account Registration

App guidance and the following steps give instructions on signing up and logging in after BYD app installation.

1. Open the app, then tap **Sign up** to go to the registration screen.
2. Enter email address registered in BYD authorized dealer, tap **Send email** to receive verification code, and then enter the code in app.
3. Set your password in password setting screen to complete the registration, and then the homepage is displayed.

### CAUTION

- Provide the email address registered at the BYD authorized dealer, or registration will fail.
- In the app, select a country or region on upper right corner of the screen. The default setting depends on your phone setting. If it is not where you make the purchase, choose the right one, otherwise your data will not be accessible.

## Vehicle Condition and Control

The BYD app homepage provides information and control items of the vehicle.

1. The homepage shows remaining driving range, SOC, vehicle error information, and status of vehicle driving, charging, A/C system, seat heater, seat ventilator, and tire pressure.
2. Tap lock, unlock, light flashing & honking, or light flashing button to activate the corresponding function.
3. Turn on or off A/C on the app homepage, or tap the A/C card to access other settings, such as temperature regulation, see **P133** for details.
4. At the bottom of the homepage, tap the icon of seats, doors and windows, or tires to go to the associated screen and check their status.
5. If you have multiple vehicles on an account, tap the vehicle name in the upper left corner of the screen to switch between vehicles.

### CAUTION

- The control function of the app is mainly for remote use. To use this function, ensure your phone and vehicle are connected to the Internet.

## Individual Center and Vehicle Management

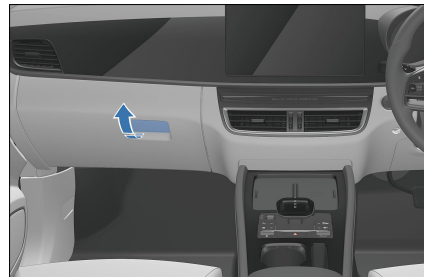
Tap the icon on the upper right corner to go to the individual center.

- **Vehicle management:** changes vehicle name and license plate number.
- **Account and security:** recovers or changes your password.
- **Settings:** sets message reception, automatic login, and other items.
- **About:** includes privacy policy and information to contact us and give feedback.

## Storage

### Glove Box

Pull the handle to open the glove box.



## Center Console Storage Compartment

The center console storage compartment can be used for storage of small items.



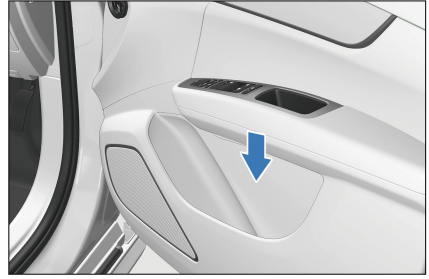
## Front Center Console Cubby

- Press the switch on the front center console cubby and pull up the cover to open it.
- Some large objects can be placed in the front center console cubby. Keep the cubby closed while the vehicle is in motion.



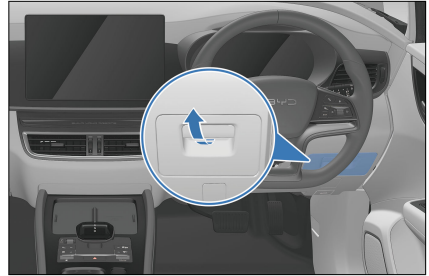
## Door Bins

Storage boxes are available on all doors to hold cups and canned beverages.



## Bill Box

Pull the handle to open the bill box.



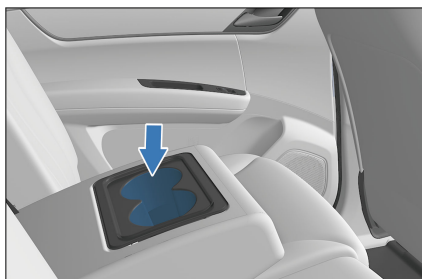
## Cup Holder

The cup holder is used to securely hold items such as cups, ashtrays, and beverage cans.



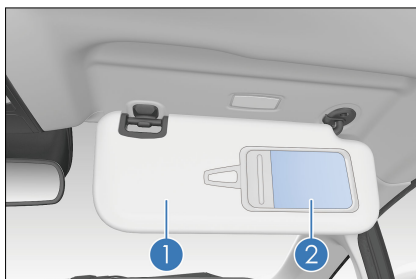
## Second Row Seat Cup Holder\*

- For seven seaters, flip the seat armrest in the second row to use the cup holder.



**⚠ CAUTION**

- Do not start or brake the vehicle suddenly when the cup holders are being used to prevent spillage or scalding.
- Do not place an open cup or loose beverage bottle in the cup holder, so as to avoid liquid spillage while you are driving, opening or closing a door.
- To ensure safe driving, the driver is strictly prohibited from taking the cup out or placing it in the cup holder while driving.



- Vanity mirrors are installed on the driver's and front passenger's sun visors.
- Flip down the sun visor and slide the mirror cover open for use. The light turns on when you slide open the cover.

**! REMINDER**

- Correct use of the sun visor improves driving safety and comfort.

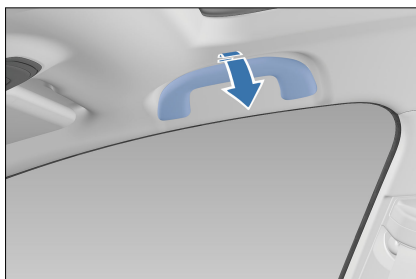
## Other Devices

### Sun Visor

① Sun visor

- The sun visor is located above the driver seat and front passenger seat. To block sunlight from the front, pull the sun visor down.
- To block sunlight from a side, remove the swivel sleeve from the fixed support and turn the visor towards the side window.

② Vanity mirror



**⚠ CAUTION**

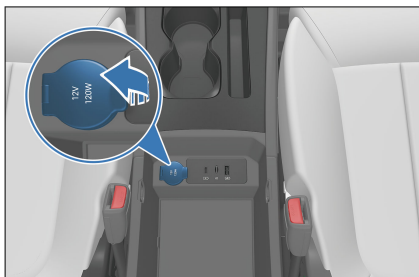
- Do not hang any heavy objects from the grab handles.

### Grab Handles

- Pull the grab handle down for use. The handle returns to its original position when released.

## 12V Auxiliary Power

- It is used for accessories with 12V DC working voltage and no more than 10A working current.
- The 12V auxiliary power is available only when the ignition has been switched on. Lift the cover to use it.



### CAUTION

- To prevent fuses from blowing, the power consumption must not exceed 12V/120W of total vehicle load.
- To prevent draining the low-voltage battery, do not use the 12V auxiliary power supply for a long time when the drive motor is not running.
- When the 12V auxiliary power is not in use, close its cover. Do not insert any object other than a suitable plug into the 12V auxiliary power socket or let any liquid ingress the socket, as electrical failure may result.

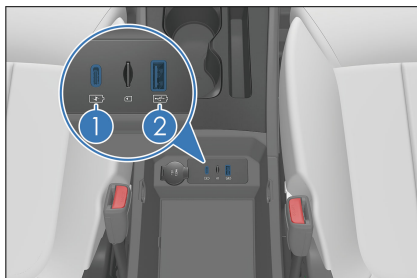
## USB Ports

### Front-Row USB Ports

- There are two USB ports in the front center console cubby, including a data port and a charge port.

- ① Type-C charge port
- ② Type-A data transmission port

- The power outlet can be used only when the ignition is on.



### Second-Row USB Ports

- There are two USB ports in the second row, which can only be used for charging.

- ① Type-A charge port
- ② Type-C fast charge port

- The power outlet can be used only when the ignition is on.



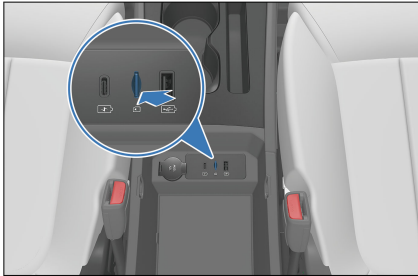
- The infotainment system is compatible with USB storage devices up to 128GB. It is not compatible with all USB devices on the market.
- It is recommended to use USB storage devices up to 128GB with FAT32 format.

**CAUTION**

- Do not use substandard or special USB storage devices to avoid damaging the infotainment system or data in the USB device.

## SD Card Slot\*

- An SD card slot is located in the front center console cubby.
- For this infotainment system, TF cards (also called Micro-SD cards), up to 128GB and at least Class 10 and FAT32), can be used to read data such as videos and songs.



**CAUTION**

- Incompatible cards may not be recognized and read by the infotainment system.
- Insert the card correctly.

## Wireless Phone Charger\*

- The charger charges phones without a cable connection through electromagnetic wave induction.
- On the infotainment touchscreen, slide down the shortcut menu and light up the wireless charger icon.

- After starting the vehicle, place a smartphone screen-up in the wireless charging area to activate the wireless charger.
- To disable the wireless charger: On the infotainment touchscreen, slide down shortcut menu and tap the wireless charger icon. The indicator turns off and the wireless charger function is disabled.



- The wireless charger only works with Qi-certified phones.
- To avoid burning cards with chips, such as bank cards, do not place them between the wireless phone charger area and the phone during charging.

**CAUTION**

- Ensure your smart key is more than 25 cm away from the wireless charger area when the wireless charger system is working.
- To avoid wireless charger dysfunction or even accidents, do not place coins, metal keys, metal rings, or other articles containing metal in the wireless charger area together with the phone.
- To avoid damage to the charger area, do not place heavy objects on it. If the phone wireless charger system is faulty and does not work properly, it is recommended to



### CAUTION

- contact a BYD authorized dealer or service provider.
- BYD will not assume any responsibility for any problems caused by improper use. If the product is disassembled or modified, the free warranty will be terminated.
  - For safety reasons, do not leave an unattended phone being charged in the vehicle.
  - For safety reasons, refrain from checking phone charging status while driving.
  - If a metal item is found between the device and the charger rubber pad during charging, do not remove the metal item with bare hands to prevent burning.
  - The center of the phone coil must be aligned with the center of wireless charger (indicated with text in the charging area), or charging may fail.
  - Prevent any fluid from coming into contact with the charger area. The wireless charger will malfunction if water enters the wireless charger via the gap around the rubber mat.
  - Charging may stop at high temperatures, and will resume once the temperature drops. BYD makes no commitments for problems caused by external wireless charging coils. Please use with caution.



### REMINDER

- Only one phone can be charged at a time.



### REMINDER

- A phone case that is too thick may prevent charging.
- On bumpy roads, the wireless phone charging may intermittently stop and then resume.
- Try to ensure that the surface on which a mobile phone is placed is parallel to the charging module. If the phone moves from the wireless charger area and stops charging, move it back.
- If the phone cannot be charged properly, ensure that there are no foreign objects in the wireless charger area, or wait for the wireless charger area to cool down before trying again. If it is still impossible to charge the phone, contact a BYD authorized dealer or service provider.
- After power-off, if the phone is still charging and the driver's door is opened, the instrument cluster sounds an alarm and a warning text "Please take your cell phone with you" is displayed for five seconds.



# 06

## MAINTENANCE

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# Maintenance Information

## Maintenance Cycle and Items

### Maintenance Plan

- The maintenance plan is designed to ensure stable driving, failure reduction, safe and economical driving.
- The maintenance schedule lists all the maintenance items that are necessary to keep the vehicle in optimum condition at all times.
- The items in the maintenance schedule are important and need to be maintained according to the time interval.
- Hoses with any degradation or damage should be replaced immediately. Rubber hoses (for systems such as A/C, heating, and braking systems) must be checked by professional technicians according to the maintenance schedule.

### Maintenance Schedule Requirements

The vehicle must be maintained according to the regular maintenance schedule.

If the vehicle is operated primarily under one or more of the following special conditions, certain maintenance items may need to be performed more frequently.

- Road conditions
  - Muddy, sandy, or snowy roads.
  - Dusty roads
- Driving conditions
  - Use of towed trailer, camping trailer, or roof rack
  - Within 8 km, repeated short distances are driven and the outside temperature is below freezing.
  - Long idling and/or long distance driving at low speed, for example, using the vehicle as a police car, taxis or using it for transporting goods.

### Maintenance Intervals

Vehicle maintenance is performed based on the mileages or months, whichever comes first.

Item	Interval
Chassis screws	Check and fasten them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Brake pedal and EPB switch	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the


Item	Interval
	first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Brake friction block and disc	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Brake piping and hoses	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Guide pin of brake caliper assembly	Check it at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards. Replace damaged parts in a timely manner.
Steering wheel and tie rod	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Drive shaft boot	Check it at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Ball pin and boot	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Front and rear suspensions	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Tire condition and inflation pressure, incl. TPMS	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every

<b>Item</b>	<b>Interval</b>
	12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Front and rear wheel alignment	Check them at three months or 5,000 km for the first time, at 24 months or 40,000 km for the second time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards.
Tire rotation	Check the tire pressure and conditions at least once a month and rotate tires every 10,000 km.
Tire pressure reset (indirect tire pressure)	Tire pressure reset is required for each service and maintenance, and shall be operated every 12 months or 1,0000 km, whichever comes first.
Door brake	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Remove dust from the tie rod with a wet soft cloth, apply 0.3-0.8 g grease to the tie rod, riveted joints, and rotating shaft, and replace damaged parts in a timely manner.
Wheel bearing clearance	Check for it at three months or 5,000 km for the first time, and every 24 months or 40,000 km afterwards. In severe driving conditions, check them at three months or 5,000 km for the first time, and every 12 months or 20,000 km afterwards.
Coolant level in expansion tank	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Drive motor coolant	Replace the long-acting organic acid coolant every four years or 100,000 km, whichever comes first.
Brake fluid	Check it at three months or 5,000 km for the first time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Brake fluid	Replace it every two years or 40,000 km.
Vehicle module DTCs (to be cleared after recording)	Check for it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.


Item	Interval
High-voltage battery tray, shield, impact bar, and mount point torque	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Battery pack capacity	Test and calibrate it every six months or 72,000 km.
Gear oil in transmission	Replace it at 24 months or 40,000 km for the first time, and every 24 months or 48,000 km afterwards.
Powertrain leaks or bumps	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Loose high-voltage wiring harnesses and connectors	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Deformation of or oil stains on the high-voltage module	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Foreign materials on or ablation of charging connector	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
HEPA filter	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards, whichever comes first, and replace it if necessary. In severe driving conditions, check it every six months and replace it if necessary.
PM2.5 quick tester filter*	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards, whichever comes first, and replace it if necessary. In severe driving conditions, check it every six months and replace it if necessary.
Lamp and LED lighting	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.

Item	Interval
Headlight dimming	Check it at three months or 5,000 km for the first time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Initial down tilt of low beam	Calibrate it every 10,000 km.
Foreign materials on or ablation of the EPS GND point	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
EPS connector looseness and connector pin ablation	Check for them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
EPS ECU corrosion	Check for it at three months or 5,000 km for the first time, and every 24 months or 40,000 km afterwards. Replace damaged parts in a timely manner.
Foreign materials or corrosion on connections between the EPS ECU and motor*	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Vehicle module software update (update if any)	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Wading marks on high-voltage parts	Check them at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Lock nut torque of wiper arm	Check it at three months or 5,000 km for the first time, at 12 months or 20,000 km for the second time, and every 12 months or 20,000 km afterwards. Replace damaged parts in a timely manner.
Hood lock and fasteners	Check them every 12 months.

Notes: When checking Item 1, replace chassis parts in a timely manner if any abnormal damage is found.

 **CAUTION**

- To keep the high-voltage battery in optimal condition, please

 **CAUTION**

fully charge and discharge the vehicle regularly (at least every



## CAUTION

six months or 72,000 km) for battery self-calibration. You can also contact a BYD authorized dealer or service provider for capacity testing and calibration.

- For any of the following severe conditions, maintenance items need to be added according to the maintenance schedule:
  - Frequent driving in dusty areas or frequent exposure to salt-laden air;
  - Frequent driving on bumpy, puddled, or mountain roads.
  - Frequent driving in cold weather.
  - Frequent long-term idle running of the motor or short-distance driving in cold weather.
  - Frequent and sudden braking.
  - Frequent use of a towed trailer.
  - Vehicle used as a taxi or for commercial purposes.
  - Driving in congested urban areas at temperatures above 32°C for more than 50% of total travel time.
  - Driving at speeds over 120 km/h at temperatures above 30°C for more than 50% of total travel time.
  - Frequent overloading.
- Specified maintenance records:
  - Try to have the BYD authorized dealer or service provider record all specified maintenance operations, and keep all corresponding receipts.

# Regular Maintenance

## Regular Maintenance

### Vehicle Servicing

- Pay attention to vehicle performance, sound changes, and visual evidence that indicates service is required. Under any of the following circumstances, the vehicle may need to be adjusted or repaired. Therefore, you are recommended to send the vehicle to a BYD authorized dealer or service provider as soon as possible:
  - Motor start produces unusual noises.
  - Coolant remains overheated, is stagnated or leaks.
  - Motor jams and produces unexpected noise.
  - The motor runs with excessive vibration.
  - The motor fails to get started.
  - Electric assembly leaks oil.
  - Electric assembly emits odors.
  - Power declines significantly.
  - Water leaks from under the vehicle (A/C condensate is normal).
  - Tire deflates; tires make excessive noises at turns; tire wear is uneven.
  - Vehicle leads to one side when driving straight on a flat surface.
  - Suspension unit movement leads to unusual noises.
  - Loss of braking effect; sponge feeling on the brake pedal or clutch pedal; pedal almost contacts the floor;

vehicle leads to one side when braking.

- Motor coolant temperature remains high.
- Battery capacity decreases significantly.
- High battery temperature or overheat protection persists, or there is no power output.

#### CAUTION

- Do not continue driving a vehicle that has not been inspected, as this may result in serious vehicle damage and personal injury.

### Maintenance Plan

- Be sure to maintain the vehicle as per the maintenance schedule to allow it serve in the best working efficiency and reduce fault occurrence.
- Drivers can refer to the maintenance plan for scheduled maintenance intervals, depending on the odometer reading or time interval, whichever comes first.
- For overdue maintenance items, the same time interval should be used for maintenance.
- It is recommended that the maintenance be performed in accordance with the standards and specifications of BYD Auto Industry Co., Ltd., and by a local BYD authorized dealer or service provider.
- The maintenance schedule lists the maintenance items and travel time or distance based on the assumption that the vehicle is used as a normal means of transportation to carry passengers and goods that do not exceed the vehicle load limit.

#### CAUTION

- Please maintain the vehicle regularly according to the requirements in the Warranty and Maintenance Service Manual of BYD.

## Vehicle Corrosion Prevention

### The most common causes of vehicle corrosion are:

- The underbody of the vehicle is covered in salt, dust, or moisture.
- The vehicle or some of its parts are exposed to high humidity and high temperature for a long time.
- The paint layer or underlayer is scratched by minor collision or by stones and gravel.

### The following rules should be observed to prevent vehicle corrosion:

- Wash the vehicle frequently.
  - If driving on saline roads in winter or living in coastal areas, wash the landing area of the vehicle at least once a month, and clean the chassis and hubcap with a high-pressure water jet or steam to reduce corrosion. Wash the chassis thoroughly after winter.
- Check vehicle paint and trims.
  - Any chip or crack found on the paint must be repaired immediately to prevent corrosion. If fragments or cracks peel off from the metal surface, it is recommended to go to a BYD authorized dealer or service provider for repair.
- Check cabin interior.

- Moisture and dust buildup under the carpet can cause corrosion. Check the undersides of carpets frequently to make sure these areas are dry.
- Special care should be taken when the vehicle is transporting chemicals, detergents, fertilizers, salt, and other substances. Such substances should be kept in appropriate containers for transportation. If spillage or leakage is found, clean immediately and keep dry.
- Use fenders.
  - Fenders protect vehicles in saline areas or on gravel roads. The bigger and closer to the ground the fender, the better.
- Park in a well-ventilated and dry area.

## Paint Maintenance Tips

- Clean the vehicle in time.
- Do not perform secondary painting if there is no obvious scratches on the finish, so as to prevent mismatch or color incompatibility.
- When the vehicle is not used for a long period, it should be parked in a garage or a well-ventilated place, and special body cover should be used in winter. Choose a shady place for parking temporarily.
- Prevent strong impacts, knocks, or scratches on the paint. If the paint is scratched, dented or if it peels, it should be repaired in time, preferably by professional auto beauty provider.
- Do not touch the paint with a greasy hand or cloth. Do not place greasy tools or rub with organic solvents on the vehicle body so as to avoid chemical reactions.
- The vehicle must be waxed once a month or whenever water resistance

performance of the vehicle degrades and be taken to an auto beauty provider for maintenance once every three months.

- High quality polish and wax must be used. If body finish is severely weathered, use a car cleaning polish in addition to the wax. Carefully follow the manufacturer's instructions and precautions. Chrome finish should be polished and waxed as well as painted finish.

### CAUTION

- When the vehicle is repainted and placed in a high-temperature paint waxing workshop, the vehicle's plastic bumper must be removed to avoid damage caused by high temperatures.

## Vehicle Cleaning

- The vehicle must be cleaned in time under the following circumstances, which can cause peeling of paint layer or corrosion of the vehicle body and parts:
  - Driving along the coast.
  - Driving on a road with anti-freeze.
  - Driving on roads covered with coal tar.
  - Resin, bird droppings, or insect carcasses are stuck on the vehicle.
  - Driving in areas with a large amount of smoke, soot, dust, iron filings, or chemicals.
  - The vehicle is visibly soiled by dust or mud.
  - After raining.

## Manual Vehicle Washing

Before washing the vehicle, park it in the shade, and wait for the vehicle to cool down sufficiently.

- Hose off loose dirt, including all muds or road salts at the bottom of the vehicle and on wheel pits.
- Wash the vehicle with neutral agents, the mixing of which should be carried out according to the manufacturer's instructions. Soak a soft cloth with cleaning solution and gently wipe it down along the direction of the water flow. Do not wipe in a circular motion or horizontally.
- Rinse well—Dried washing agent forms markings. After washing the vehicle in hot weather, rinse all parts properly.
- Dry the vehicle with a clean soft towel to prevent stay water marks. In order to prevent scratching, do not rub or apply excessive force on the paint.

### CAUTION

- Do not use any alkaline washing powder, soapy water, detergents, de-waxing detergents or volatile substance (gasoline, kerosene, or solvent).
- When cleaning the combination lights, do not wipe their surface with chemical solvents such as gasoline, alcohol, lacquer thinner, thinner, and carbon tetrachloride. Doing so can cause the combination light casings to crack.
- It is recommended that vehicles traveling in coastal or heavily polluted areas be washed once a day.
- Do not use blades or gasoline to remove hard dirt from the vehicle body. The plastic wheel trim is

### CAUTION

- easily damaged by organic matter. If any organic matter splashes on the vehicle trim, remove it with water and check whether the trim is damaged. Please replace any seriously damaged plastic wheel trim in a timely manner. Otherwise, the trim may fall from the wheel during vehicle movement and cause an accident.
- Do not use abrasive cleaning agents to scrub the bumper.
  - Clean polished metal parts with carbon cleaner and wax them regularly for protection.
  - Be careful when cleaning the chassis to avoid cutting hands.

## Automatic Vehicle Washing

When choosing an automated car wash service, be aware of certain types of brushes, unfiltered rinsing water, or machine-specific rinsing procedures that may scratch the paint and affect its gloss and durability, especially darker colors. Before washing the vehicle, it is best to consult the service provider to understand which washing procedures are the safest for the paint finish.

## Interior Cleaning

### REMINDER

- Prevent direct water splash onto the dashboard or floor when washing the vehicle, as these may cause electrical faults.

## Carpet

- Clean carpets with a good foam detergent.
- Use a vacuum cleaner to remove as much dust as possible. Several types of foam detergents can be used. Some are in spray cans, and the others are powders or liquids, which produce foam when mixed with water. Clean the carpets with foam soaked sponge or a brush, scrubbing in a circular motion.
- Do not use plain water, and keep the carpets as dry as possible.

## Seat Belts

- The seat belts can be cleaned with neutral soapy water or lukewarm water.
- Scrub the seat belts with a sponge or soft cloth. Check the seat belts for excessive wear, tear, or cut marks.

### CAUTION

- Do not clean the seat belt with colorant or bleach. These substances may decrease the seat belt's strength.
- Do not use any seat belt that is not dry.

## Doors and Windows

- Doors and windows can be cleaned with any ordinary detergent.
- Check the door checks regularly. If the check lever is found with visible dust accumulation, wipe it with a wet soft cloth. Then apply 0.3 - 0.8 g of lubricant between the bracket and the pull rod riveting shaft, and between the pull rod and the sliding block.

### CAUTION

- When cleaning the inside of the rear windows, take care not to scratch or damage electric heating wires or junctions.

## A/C Control Panel, Car Speakers, Dashboard, Control Panel and Switches

- Clean the A/C control panel, car speakers, dashboard, control panel and switches with a wet soft cloth.
- Wipe dust off gently with a clean soft cloth soaked in lukewarm water.


### CAUTION

- Do not use organic substances (for example, solvents, kerosene, alcohol, and gasoline) or acid or alkali solutions. These chemicals can cause discoloration, staining, or flaking.
- Please confirm that the detergent or polishing agent to be used does not contain the above substances.
- If a new-type liquid car washer is used, do not splash it onto the interior surface of the vehicle, because it may contain the above substances. If there is any spillage, immediately clean it thoroughly.

## Leather

- Leather trimmings can be cleaned with a neutral detergent for woolen.
- Use a soft cloth with a neutral detergent solution to wipe off the dust, and then use a clean, wet cloth to wipe the remaining detergent thoroughly.
- If leather gets wet, wipe it with a clean soft cloth. Dry the leather in a well-ventilated, cool place.

- For any questions about vehicle cleaning, please consult a local BYD authorized dealer or service provider.

 **CAUTION**


- If dirt cannot be cleaned off using a neutral detergent, clean it with a detergent that does not contain organic solvents.
- Do not clean leather with any organic material such as volatile oil, alcohol, gasoline, acid or alkali, as these will cause discoloration.
- Do not clean leather with a nylon brush or synthetic fiber cloth, as these may scratch the fine patterns on the leather surface.
- Mold may grow on dirty leather trimmings. Special care must be taken to avoid oil stains and trimmings must always be kept clean.
- Prolonged exposure to sunlight will cause leather to harden or shrink, so the vehicle should be parked in a shady and cool place, especially in the summer.
- In hot weather, avoid placing vinyl or waxy items on the trimmings, as these may stick to leather in high temperatures.
- Improper cleaning of leather trimmings may cause discoloration or spots.

# Self-Maintenance

## Self-Maintenance

### Self-Maintenance Precautions

- If maintenance is to be carried out by the owner, be sure to follow the correct steps specified in this section.
- Note that improper and incomplete maintenance will affect the good use of the vehicle.
- This section only lists instructions on simple maintenance items that can be done by the owner. However, there are many items that must be done by qualified technicians with special tools.
- Special care must be taken in maintaining vehicles to prevent accidental injuries. Make sure to obey the followings:

 **CAUTION**

- Beware of short circuits, as some circuits and vehicle components carry high current or voltage.
- If any brake fluid overflows, rinse it with water to prevent damage to components or vehicle paint.
- When replacing wiper blades, do not allow the wipers to scratch the glass surface.
- Before closing the hood, check whether any tool or wipe cloth is left in the engine compartment.

 **REMINDER**

- If the motor is very hot, do not remove or loosen the expansion tank cover to prevent burns.

### REMINDER

- Do not smoke in or near the vehicle to avoid sparks or open flames that may cause fire.
- Practice caution when handling the low-voltage battery, as it contains toxic and corrosive sulfuric acid.
- Never get under a vehicle supported only by a jack. Be sure to prop the vehicle up using both a jack and a vehicle stand before going underneath the vehicle.
- When working inside or under the vehicle, always wear goggles to protect your eyes against flying or falling objects or splashing liquid.
- As brake fluid may damage the skin or eyes, be careful when filling it. If your skin or eyes are exposed to brake fluid, immediately flush with clean water. Seek medical attention immediately if discomfort persists.

### Checks

The following items should be checked according to usage or specified mileage:

- Coolant level: The radiator and expansion tank should be checked at each charge.
- Windshield washer fluid: The residual amount of washer liquid in the tank should be checked monthly. When washer liquid is frequently used, the residual amount of liquid should be checked more often.
- Windshield wiper: Check the wiper condition monthly. If the wiper does not work, check it for wear, cracking, or other damage.

- Brake fluid level - Check the level monthly.
- Brake pedal - Check whether the brake pedal is operating properly.
- EPB switch - Check whether the switch is functional.
- Low-voltage battery - Check battery conditions and check for terminal corrosion monthly.
- A/C system - Check the operation of A/C units weekly.
- Tires - Check tire pressure monthly. Check tread wear and whether there are foreign bodies embedded.
- Windshield defrosters - Check the defroster vent monthly.
- Lights - Check the condition of headlights, position lights, tail lights, high mount brake light, turn signals, rear fog lights, brake lights and license plate light monthly.
- Doors - Check whether the trunk lid and all other doors (including rear doors) can be opened freely and locked securely.
- Horn - Check whether the horn is functioning properly.

### REMINDER

- Do not continue driving a vehicle that has not been inspected, as this may result in serious vehicle damage and personal injury.

### Lights

#### Headlight adjustment

- Headlights are aligned before vehicle delivery. If the vehicle carries heavy load frequently, headlights may need to be realigned. It is recommended to

have the headlights aligned by a BYD authorized dealer or service provider.

### Fogging of lights

- Combination lights, tail lights, and turn signals on the side mirrors may become foggy after heavy rain or cleaning. This is similar to condensation on the side window during rain. It does not mean any problem with your vehicle.
- The lights are a relatively enclosed and narrow space. The temperature is very high when they light up (the mask and reflector could be burned and deformed easily), so they need heat dissipation. There are heat dissipation holes on the lamp housing for convection. The greater the temperature difference is, the more active the convection is. During the convection, the moisture in the air inevitably enters a lamp. Factors such as exposure to sunlight, convection, and bulb heating can cause the moisture in the air to condense into fog or water beads easily on the lamp surface at low temperatures. This is called fogging of lights.

#### WARNING

- The headlight bulb becomes very hot when illuminated. Grease, sweat, or scratches on the surface of the bulb glass cause the bulb to overheat and break.

#### REMINDER

- If fog presents inside the headlight and inside the turn signals on side mirrors, it may be due to high air humidity or significant temperature difference between the vehicle and its surroundings. In that case, turn on the headlight or turn signal while driving. The

#### REMINDER

fog will evaporate after a short period of driving.

- If there is a noticeable amount of water inside the lights, it is recommended to drive the vehicle to a BYD designated maintenance agency for maintenance.

### Vehicle Storage

If the vehicle needs to be parked for a long time (more than a month), the following preparations should be made. Proper preparation helps prevent degradation and ensure easy use of the vehicle. If possible, park the vehicle indoors.

- Charge the vehicle on time.
- Thoroughly clean and dry the body surface.
- Clean the interior of the vehicle to ensure that carpets and mats are completely dry.
- Release the parking brake. Set the gearshift lever in parking gear.
- If the vehicle needs to be stored for a long time, jack up the vehicle body to keep the tires off the ground.
- Open one window slightly (if the vehicle is stored indoors).
- Disconnect the negative terminal of the low-voltage battery.
- Pad the front wiper arm with a folded towel or cloth to keep it out of contact with the windshield.
- To reduce adhesion, apply silicone lubricant to all door seals and body wax to the painted surface where the door seals meet.

- Cover the body with a breathable covering made of a "porous material" such as cotton. Non-porous materials, such as plastic sheeting, can build up moisture and damage the paint.
- If possible, start the vehicle regularly (preferably once every month). If the vehicle has been parked for a year or more, go to a BYD authorized dealer or service provider for comprehensive maintenance.

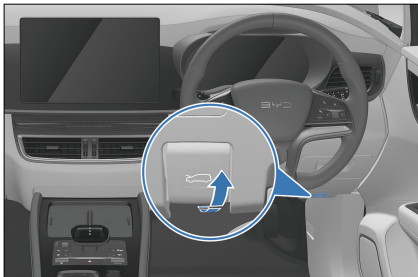
### ! REMINDER

- Before transportation or storage, it is recommended that SOC should be 25%-40% to ensure the performance of the high-voltage battery and normal power supply of the low-voltage battery.

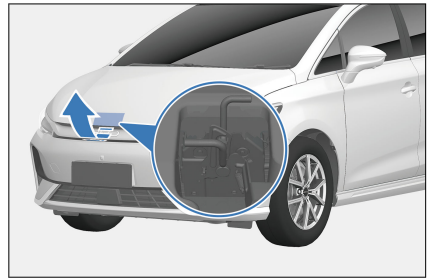
## Hood

### Opening the Hood

1. Shift to "P" or "N" and engage the EPB. Pull the handle on the right under the dashboard. The hood opens slightly.



2. Put your finger under the front edge of the hood in the right of the front center of the vehicle, push up the latch until it unlocks the hood, and then open it.
3. Lifting the hood over the balance position will allow the hood to spring automatically.



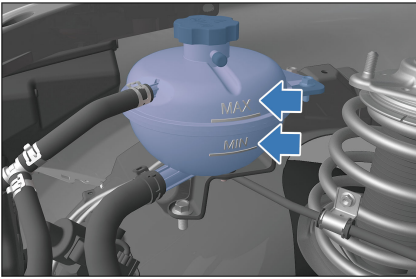
4. Pulling down the hood past the balance position and letting go will close the hood.
5. After closing the hood, check whether the latch is securely locked.
6. If the hood can be opened without moving the latch, or the latch is not flexible to move or cannot bounce back to its original position, the lock mechanism of the hood should be cleaned and filled with lubricating oil. If it still malfunctions, it is recommended to go to a BYD authorized dealer or service provider for repair.

### ! REMINDER

- Ensure that the hood is closed and locked firmly before driving. Otherwise, the hood may suddenly open during driving, resulting in an accident.
- Do not force down the hood or release it from a high position.

## Cooling System

- It is required that the level in the coolant expansion tank should be between "MAX" (maximum level) and "MIN" (minimum level) marks.
- Refill coolant to the MAX line if the level is below the MIN line. Check the cooling system for leakage.



- The coolant must always be of the same specification as the original. Do not add any admixture. Different brands and types of coolant should not be mixed.

**! CAUTION**

- Before opening the expansion reservoir cap, make sure that the motor, high-voltage electronic control assembly, expansion reservoir and radiator are all cooled down.

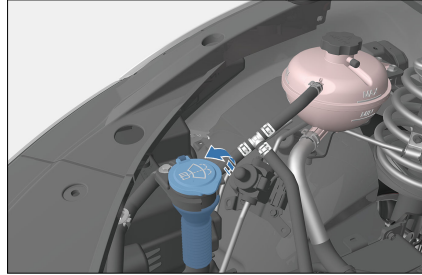
**! REMINDER**

- Opening the coolant expansion tank before the motor has not yet fully cooled down may cause coolant to squirt out, resulting in severe burns.
- Do not use tap water, so as to avoid cooling system damage.
- To avoid incompatible coolants and additives, do not apply additives like rust remover to the cooling system.

## Washer

- During normal use, check the liquid level of the windshield washer reservoir at least monthly.

- If the windshield washer is used frequently, the level of the washer reservoir should be checked more frequently.
- High quality windshield washer fluid should be added to improve stain removal and prevent freezing in cold weather.



- When refilling the washer fluid, use a clean cloth dipped in the windshield washer fluid to clean the windshield wiper blade. This helps keep the wiper blade in good condition.

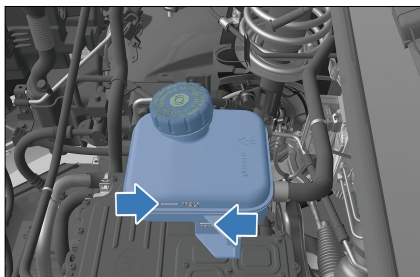
**! CAUTION**

- Do not inject vinegar-water solution into the windshield washer fluid reservoir.
- It is recommended to use certified windshield washing fluid.

## Braking System

- Check the level in the fluid tank monthly, and change the brake fluid according to the travel time and mileage specified in Maintenance Schedule.
- Be sure to use the brake fluid of the same specifications as the original brake fluid, and different types of brake fluid must not be mixed.

- The fluid level should be between the lower (MIN) and upper (MAX) marks on the fluid tank wall.
- If the level is below the MIN mark, check if the braking system leaks and the brake friction blocks are worn.



## A/C System

- The A/C system is a closed system, and any important maintenance work should be performed by professionals from a BYD authorized dealer or service provider.
- The following practices help ensure that the A/C system works effectively.
  - Check the radiator and A/C condenser regularly. Remove leaves, insects, and dust from the front surface. These deposits will hinder the air flow and reduce the cooling effect. It is recommended to contact a BYD authorized dealer or service provider.
  - In cold months, turn the A/C on once a week for at least 10 minutes to circulate the lubricating oil in the refrigerant unit.
- If A/C cooling efficiency decreases, go to a BYD authorized dealer or service provider for maintenance.

### ! REMINDER

- Whenever the A/C system is maintained, the maintenance station should use a refrigerant recycling system.
- The system can recycle refrigerant to avoid environmental pollution caused by directly discharging refrigerant.

## Wiper Blades

The blade strip, made of synthetic rubber, is a vulnerable part. Various service environment of the vehicle and usage habits of drivers can damage the blades. Therefore, please observe the following to ensure the service life of blades and driving safety:

- Do not use a blade to remove ice from the windshield surface. Use a customized ice scraper.
- Do not scrape the windshield surface if it is dirty, greasy or waxy.
- Keep the windshield surface clean. Do not scrape dust, sand, insects, or foreign bodies on the windshield surface.
- During vehicle washing and body paint maintenance, there is no need to wax the windshield, as the wax layer reflects light in bad light, affecting the line of sight and driving safety. After washing the vehicle, rinse the blade with plain water, and use special windshield wax cleaner to remove the wax layer on the windshield.
- To prevent excessive water pressure from damaging the blades, do not wash the blades directly with a water jet.

## Maintenance Rules

- Clean windshield and blade regularly (preferably once a week or once every two weeks).
- Wipe the wiper regularly (preferably once a day or once every two days) even if it doesn't rain.
- When using a blade to wipe the windshield, keep the windshield fully wet (when there is no rain, the washer liquid must be sprayed in advance).
- Clean the windshield with a special windshield washer fluid.
- Promptly clean mud and insect carcasses stuck to the windshield with a rag.
- When there are marks on the windshield caused by gravel, maintenance should be carried out timely (it is recommended that windshield repair resin products should be used and the windshield should be replaced if marks are too large or too many.)
- Replace the wiper blades regularly, preferably once every three months.
- When cleaning the windshield, raise the wiper arm in advance. The specific operation method is as follows:
  1. Switch the ignition off.
  2. Grasp the upper end of the wiper arm and carefully lift the wiper arm and blade assembly.

## Tires

- For safe driving, tires must be made and sized to fit the vehicle, with good tread and standard tire pressure.
- The following pages provide details on how to check tire pressure, damage to

and wear of tires, and the operating method for tire transposition.

### **WARNING**

- Using tires with excessive wear or insufficient/excessive pressure can result in accidents, severe injury, or death.
- Please follow all instructions in this manual regarding tire inflation and maintenance.

## Tire Inflation

- Keep tires properly inflated to provide the best combination of maneuverability, tread life, and driving comfort.
- Under-inflated tires can cause uneven tire wear, affect steerability and energy consumption, and are prone to leakage due to overheating.
- Over-inflated tires reduce riding comfort and are prone to damage from uneven roads. In severe cases, the risk of tire bursting poses severe threats to the safety of the entire vehicle. Over-inflation will also cause uneven wear and tear of tires, affecting tire service life.
- The vehicle is equipped with a tire pressure gauge. When tires are cold, you can decide whether to replenish tire pressure according to the tire pressure values displayed on the instrument cluster.
- Tire pressure should be measured while tires are at ambient temperatures. This means that it should be measured at least three hours after stop. If you must drive the vehicle before the tire pressure is measured, tires can still be considered at ambient temperatures as long as the

traveled distance is not more than 1.6 km.

- It is normal that tire pressure reading measured while tires are hot (after travel of several kilometers) is 30-40 kPa (0.3-0.4 kgf/cm<sup>2</sup>) higher than when tires are cold. In that case, do not deflate tires in order to achieve the specified cold tire pressure reading; otherwise, the tire pressure will be insufficient.

### REMINDER

- The recommended cold tire pressure is indicated on the label affixed to the driver's door frame.
- Tubeless tires can self-seal punctures. However, as leakage is usually very slow, the leaks should be carefully identified as soon as the tire begins to depressurize.

### Checks

- Whenever checking tire inflation, check tires for damage, foreign body piercing and wear.
  - Replace the tire if bumps, or tread or side damage are found. Tires must be replaced if any of the cases happens.
  - Replace the tire if there are cracks on its side or if its fabric or cord can be seen.
  - Replace tires with excessive tread wear.
- Tire treads are cast with wear bars. When the tread is even with the wear bar, its thickness is less than 1.6 mm. The adhesion of tires worn to this extent is very small on wet roads.



- Tires with exposed wear bars are experiencing serious performance loss and therefore must be replaced.

### Maintenance

- In addition to proper inflation, proper wheel alignment also helps reduce tread wear.
- If uneven tire wear is found, go to a BYD authorized dealer or service provider and check the wheel alignment.
- Although the vehicle has been balanced in the factory, it may need to be re-balanced after running for a period of time.
- If there is some kind of continuous vibration at high vehicle speeds (above 80 km/h), but not at low vehicle speeds, go to a BYD authorized dealer or service provider for tire checks.
- If a tire has been repaired, be sure to re-balance it.
- When installing a new tire or replacing a new wheel, always perform tire balancing.

### CAUTION

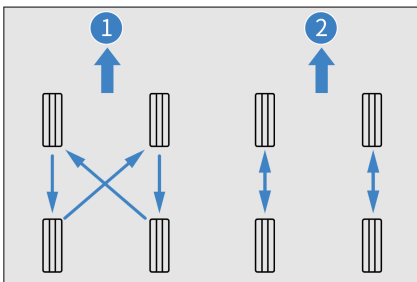
- Improper wheel balancers can become loose and fall off, which damages the vehicle or surrounding objects during vehicle travel.

## CAUTION

- Improper wheel balancers damage the aluminium rims of the vehicle. Therefore, it is recommended to use original wheel balancers.

### Tire Rotation

- In order to make tires wear the same and prolong their service life, it is recommended to rotate tires regularly and conduct four-wheel alignment, inspection and adjustment as well.
- Do not rotate tires when a spare tire is used for the vehicle.
- When purchasing replacement tires, you may find that some tires are "directional," which can only be rotated in one direction. If directional tires are used, only the front and rear wheels can be swapped in tire rotation.
- As shown:
  - ① Non-directional tires and wheels.
  - ② Directional tires and wheels.



- After tire replacement, go to a BYD authorized dealer or service provider for tire pressure matching.

### Replacing Tires and Wheels

- Original tires maximize performance, while providing the best combination

of maneuverability, driving comfort and service life.

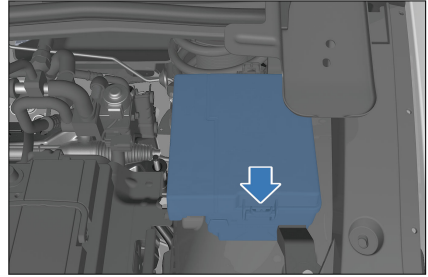
- Go to a BYD authorized dealer or service provider for replacement of original tires.
- Replacement of tires with different sizes, road ranges, rated speeds and maximum cold pressures (marked on the tire side) or mixed use of radial tires and diagonal tires can reduce braking ability, driving force (ground adhesion) and steering accuracy.
- The installation of unsuitable tires can affect the maneuverability and stability of the vehicle, and may lead to accidents.
- Replace four tires at the same time whenever possible. If this is impossible or unnecessary, replace front or rear tires at the same time. Do not replace only one tire; otherwise it will seriously affect the maneuverability of the vehicle.
- ABS works by comparing wheel speed. When replacing a tire, use a tire of the same size as the original tire. The size and structure of the tire can affect wheel speed and may lead to uncoordinated system operation.
- If the wheel needs to be replaced, ensure that the specifications of the new wheel match those of the original wheel. New wheels are available for purchase at BYD authorized dealers or service providers. Please consult a BYD authorized dealer or service provider before replacing the wheels.

## REMINDER

Please observe the following precautions to ensure proper vehicle maneuverability and control.

### ! REMINDER

- Do not mix radial tires, bias belted tires, or diagonal ply tires on the vehicle.
- Do not use tires with dimensions other than those recommended by the manufacturer.



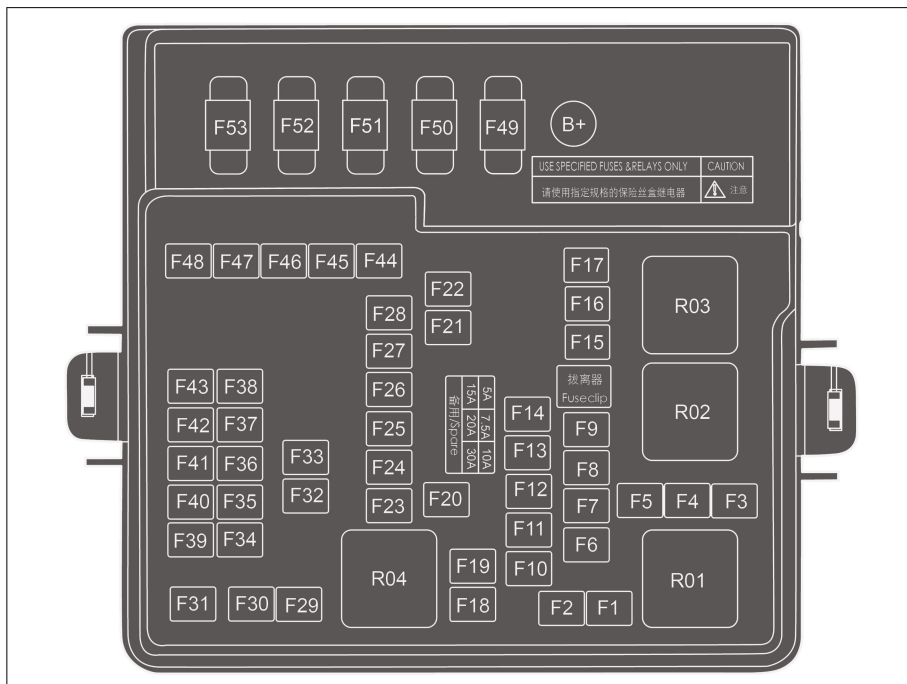
## Fuses

- All vehicle circuits are provided with fuses to prevent short circuit or overloading. These fuses are mounted in fuse boxes respectively.
- The under-hood fuse box is located on the left side of the engine compartment.
- The dashboard PDB is located in the shield under the dashboard.
- The under-hood fuse box is located at the left rear part in the engine compartment. To open it, press the latch as shown in the illustration.

### ! REMINDER

- Do not use fuses with amperage higher than the rated ampere value or any other solution to replace the fuses, as this can cause serious damage or even a fire.
- Replacement of blown fuses with ones of higher amperage can significantly increase the likelihood of damage to the electrical system.
- If there is no spare fuse of the same amperage, use a fuse with lower amperage instead.

## Under-Hood Fuse Box Nameplate

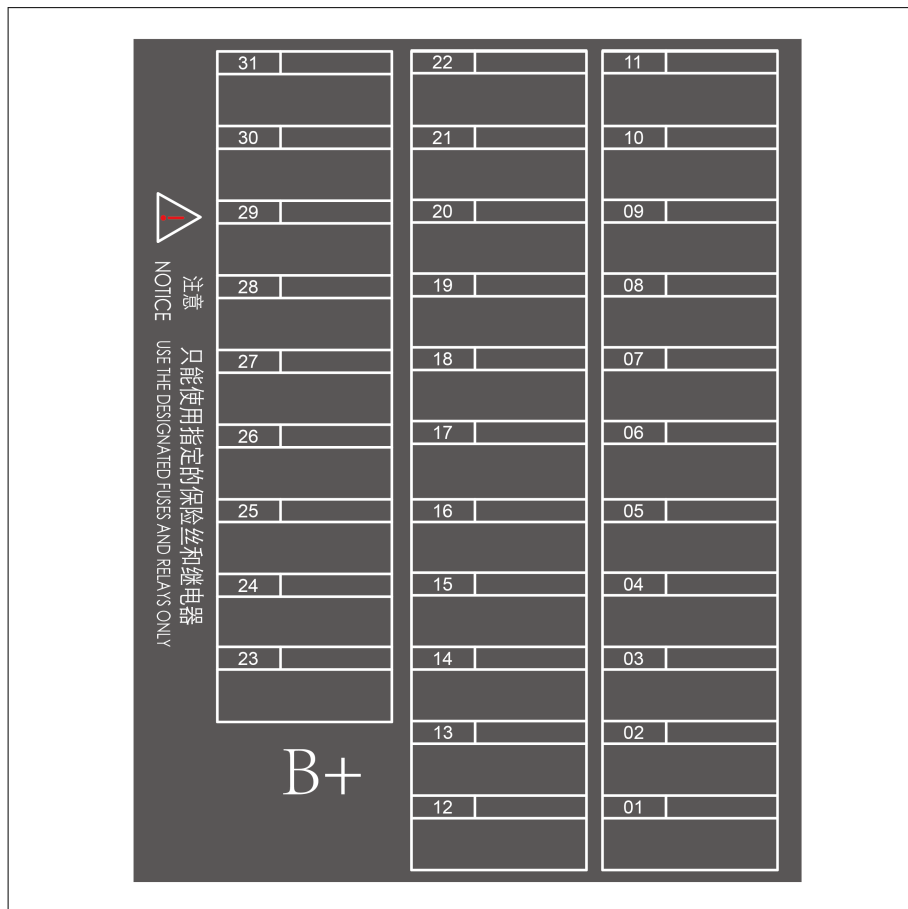


No.	Ampere (A)	Protected Component or Circuit
F1	-	-
F2	-	-
F3	-	-
F4	-	-
F5	-	-
F6	-	-
F7	-	-
F8	-	-
F9	7.5	BMS
F10	15	HV all-in-one controller
F11	15	HV all-in-one controller

No.	Ampere (A)	Protected Component or Circuit
F12	7.5	Compressor
F13	10	Electrically controlled cooling water pump
F14	-	-
F15	5	Throttle valve
F16	-	-
F17	-	-
F18	-	-
F19	-	-
F20	-	-
F21	30	Front wiper
F22	30	Rear defroster
F23	10	Left low beam
F24	10	Right low beam
F25	-	-
F26	10	USB
F27	15	Auxiliary power
F28	15	USB
F29	-	-
F30	60	ESC
F31	20	Roof Light
F32	-	-
F33	5	ADAS
F34	5	Instrument Cluster
F35	5	Rear body control module
F36	7.5	Interior Lights
F37	7.5	PM 2.5

<b>No.</b>	<b>Ampere (A)</b>	<b>Protected Component or Circuit</b>
F38	10	SRS
F39	5	Gear shift panel
F40	7.5	ADAS
F41	5	EPS
F42	5	ESC
F43	5	Yaw rate sensor
F44	60	ESC
F45	40	Blower
F46	10	Left high beam
F47	10	Right high beam
F48	10	Rear wiper
F49	-	-
F50	70	EPS
F51	60	Electric fan
F52	-	-
F53	-	-

## Dashboard PDB Nameplate



## 06

### MAINTENANCE

No.	Ampere (A)	Protected Component or Circuit
01	30	Front left power seat
02	30	Front right power seat
03	5	Instrument Cluster
04	5	Brake light switch
05	15	Sunroof motor
06	20	Roof Light

No.	Ampere (A)	Protected Component or Circuit
07	5	LCD Display
08	5	High-frequency receiving module
09	20	Infotainment System
10	15	External amplifier
11	7.5	Combination switch
12	30	Rear body control module
13	-	-
14	-	-
15	-	-
16	10	Diagnosis port
17	-	-
18	7.5	Wireless Charger
19	30	Rear body control module
20	30	Rear body control module
21	25	Blower
22	-	-
23	-	-
24	-	-
25	-	-
26	-	-
27	-	-
28	-	-
29	-	-
30	-	-
31	-	-

# 07

## **WHEN FAULTS OCCUR**

When Faults Occur.....174

# When Faults Occur

## Reflective Vest

- The reflective vest is in the tool kit.
- In case of emergency, always wear the reflective vest properly before you check for faults or handle accidents to ensure your safety.

## If Smart Key Battery Is Exhausted

If the smart key indicator does not flash and the vehicle cannot be started using the start function, the smart key battery may be exhausted. It is recommended to contact a BYD authorized dealer or service provider for battery change as soon as possible. In this case, you may start the vehicle in no power mode.

### CAUTION

- Do not place the smart key in a position exposed to high temperature.
- Do not hit or slam the key with hard objects.
- Check for nearby radio stations, substations or airport radio transmitters that may interfere with the normal operation of electronic smart keys.
- After locking the vehicle and arming its anti-theft alarm system, keep the key away from the vehicle if you do not use the vehicle; otherwise the automatic card finding of the vehicle will consume the power of the low-voltage battery and the smart key.

1. Use the mechanical key to unlock the vehicle.
2. Put the smart key close to the no-power sign on the auxiliary dashboard.
3. Press the START/STOP button and the brake pedal to start the vehicle.



## Emergency Shutdown System

- The emergency shutdown system is activated and the high-voltage system is automatically shut down when the following conditions are met:
  - Any air bag fails to deploy after a front collision.
  - Some rear collisions.
  - Vehicle system failure.
- The OK indicator goes off if any of the above situations occurs.
- Activating the emergency shutdown system in the noted types of collision minimizes the risk of injuries or accidents. The vehicle system cannot be switched into the OK status once the emergency shutdown system is activated. In that case, it is recommended to contact a BYD authorized dealer or service provider. Even if the ignition switch is set to the OK position, the system will be turned off immediately. It is recommended

to contact a BYD authorized dealer or service provider as soon as possible.

## Vehicle Fire Rescue

In case of fire, continue to operate the vehicle as follows according to the actual situation:

- Switch the ignition off, and disconnect the low-voltage battery in the engine compartment if conditions permit.
- Locate a dry powder fire extinguisher nearby.
- If the fire is small and slow, use a dry powder fire extinguisher to put out the fire, and call for help immediately.
- If the fire is large and growing quickly, stay away from the vehicle and wait for rescue.



### CAUTION

- Wear insulated gloves during vehicle disassembly. Use fire extinguishers of designated type. Water or incorrect fire extinguishers may cause electric shock.
- In the event of other special conditions that cause flying projectiles (such as interior trims and glass), stay away from the vehicle and promptly ask a BYD authorized dealer or service provider to come to the site for handling.

## If a Collision Occurs

In the event of a collision, please take the following actions:

1. Switch the ignition off, and disconnect the low-voltage battery in the engine compartment if conditions permit.

2. It is recommended to call immediately a BYD authorized dealer or service provider for rescue.

3. Carry out a simple inspection, if conditions permit: Check whether any edge of the high-voltage battery tray is cracked and whether any obvious liquid flows out.

- In case of light leaks, avoid potential sources of fire or flammable materials. Absorb leaks with an absorbent pad, and place the waste in a closed container or burn the waste. Wear anti-corrosion gloves before the operation. In the event of a severe leak, clean up any leaked fluids and treat them as hazardous waste. Calcium gluconate solution can help treat toxic HF gases.
- If skin comes in contact with leaked fluid, wash it immediately with plenty of water for 10-15 minutes. If there is still any discomfort, apply 2.5% calcium gluconate ointment, or soak in 2% to 2.5% calcium gluconate solution. If the condition does not get better or discomfort persists, seek medical help immediately.



### CAUTION

- Do not touch any spilled liquid, and stay away from a leaking vehicle or high-voltage battery.
- Do not dispose of the leaked fluid into the water or soil or other environment.
- The vehicle system operates with high-voltage DC power. It generates a lot of heat before and after vehicle start-up and when the vehicle is powered off. Watch out for high pressures and high temperatures.
- Do not disassemble, move, or alter high-voltage battery

**! CAUTION**

components and connecting cables as their connectors can cause serious burns or electric shock and may result in personal injury or death. The orange cables are part of high-voltage wiring harness. Users must not repair the vehicle's high-voltage system by themselves. If any repair is required, it is recommended to go to a BYD authorized dealer or service provider for repair.

- The remote control key and high-voltage components of the vehicle may affect and harm people carrying medical devices.

## If the Vehicle Needs Towing

If the vehicle needs towing, it is recommended to contact a BYD authorized dealer or service provider, a professional towing service, or the organization you joined for roadside assistance.

**! CAUTION**

- Do not allow other vehicles to pull your car with only ropes or chains.

Recommended towing methods:

- Flatbed device
- If the vehicle fails and needs towing, a flatbed is the best choice. Towing the vehicle on front or rear wheels alone may damage high-voltage components.

**! CAUTION**

- When using a flatbed device, make sure the vehicle is securely fastened to prevent it from sliding.

### Tow Eye

- The installation point of vehicle tow eye is shown in the illustration.
- If the vehicle needs rescue, it is recommended to call a professional rescue or the customer service number.
- In emergency rescue situations where the vehicle needs to be towed, observe the following to avoid vehicle damage or personal injuries:
- The towing vehicle must be in good conditions and the towed vehicle in Neutral; the tow speed must be no more than 5km/h.



- Never use jerking actions to pull the vehicle.
- The towed vehicle must not carry any person except for the driver.
- Both towing and towed vehicles must have their hazard warning lights on.
- Only the in-vehicle tow eye can be used, to avoid damages to the vehicle.
- The distance between the towing and towed vehicles must be more than 4 meters but less than 10 meters.

- The width and weight of the towed vehicle must not be greater than those of the towing vehicle.
- When towing the vehicle, ensure its surroundings are unobstructed and have enough space and no person is close to the towing device.
- When freeing the vehicle, control to make it travel in the direction of tow force. Dragging the vehicle from the side or vertically is prohibited.
- The towed vehicle must be controlled by a driver inside the cabin, with the steering and braking systems in normal conditions.

### **WARNING**

- Rescuing a stuck or high-centered vehicle by using the tow eye is prohibited. Instead, calling a professional rescue or the customer service number is recommended.
- If the steering or braking system of the towed vehicle fails, contact a professional rescue or the customer service number. Do not tow the vehicle in such cases.

## If a Tire Goes Flat

- Maintain the lane position and gradually slow down the vehicle. Drive the vehicle off the busy road to a safe place. Park on solid, flat ground and avoid highway forks. Park on solid, flat ground and avoid motorway forks.
- Engage the EPB and press the "P" button.
- Power off the vehicle and turn on the hazard warning light.

- Be sure to have all passengers get off the vehicle and ask them to go to a safe place away from crowded traffic.
- To prevent slipping, secure the vehicle by wedging the tire diagonally against the flat tire.

### **CAUTION**

- Do not continue driving with a flat tire. Even a short distance of driving with flat tire can cause irreparable damage.

### **In-Vehicle Tools**

- In-vehicle tools are stored in a tool box under the trunk cover flap.
- In-vehicle tools include warning triangle, reflective vest, lug nut cap removal clamp, tire repair kit, and tow eye.
- In an emergency where you need to service the vehicle yourself, you must know how to use these in-vehicle tools and their locations.

### **Placing the Warning Triangle**

#### **REMINDER**

- When parking for repair, remember to place the red triangle side facing oncoming vehicles, 100-200 meters away from the vehicle. After the repair, recover the warning triangle for future use.

The warning triangle is used to warn vehicles coming from behind and to avoid collisions due to high speed or late braking.

How to use the warning triangle:

1. Take the warning triangle out of its box.

2. Attach the ends to form a triangle.
3. Mount the supports as shown.



### Using Tire Repair Kit

- The tire repair kit is used to seal small cuts, especially cuts in tread pattern. It is just an emergency solution for you to drive to the nearest service center, and only for short emergency stretches, even if the tire is not deflated.
- The tire repair kit is in the trunk and can be taken out from the interior trim panel.
- The tire repair kit includes: sealant, inflator, and adhesive sticker with marked maximum allowable speed and instructions.

### WARNING

- The tire repair kit is only suitable for minor damages of tires. If a wheel is damaged, tyre puncture sealant kit is prohibited.
- Tire sealant is highly flammable and harmful to health. Take necessary precautions to prevent fire and avoid contact with skin, eyes, and clothing; keep away from children; and do not inhale its vapor.

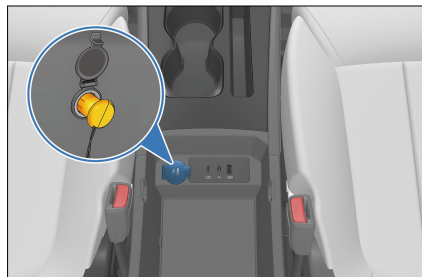
**In case of contact with tire sealant:**

### WARNING

- If tire sealant comes into contact with the skin or gets into the eyes, thoroughly flush the affected body part immediately with plenty of clean water.
- Change contaminated clothing immediately.
- In case of an allergic reaction, seek medical attention immediately.
- If tire sealant is ingested by accident, rinse mouth thoroughly and drink plenty of water immediately. Do not induce vomiting, but seek medical attention immediately.

### How to Use

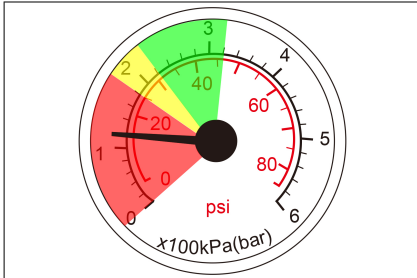
- Refer to labels on the inflator for usage of the kit.
- If the inflator needs to be connected to a power source, plug the inflator into the vehicle's 12V socket, start the vehicle, and turn on the inflator. The tire sealant is then filled through the inflator hose into the tire along with air.



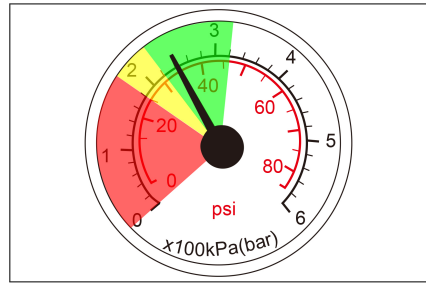
### ! REMINDER

- Make sure the inflator switch is off when plugging the power supply into the 12V socket in the vehicle.
- The inflator can only be turned on for up to 10 minutes.
- Before using the power plug, make sure that its voltage and power do not exceed the 12V and 120 W limits marked on the backup power supply. Exceeding these limits poses a safety hazard.

- Observe the tire pressure gauge reading on the inflator.
- If the tire pressure does not reach 180 kPa within 10 minutes (red area shown in the figure), turn off the inflator. You are recommended to contact a BYD authorized dealer or service provider.



- If the tire pressure reaches between 180 and 320 kPa (green and yellow areas shown in the figure), remove the kit as soon as possible and drive at a speed below 80 km/h within one minute, with the furthest driving distance not exceeding 10 km, so that the tire sealant is evenly distributed within the tire.



- Pull over the vehicle and check the tire pressure on the instrument cluster.
  - If the tire pressure is greater than 220 kPa, drive to the nearest service center at a speed below 80 km/h.
  - If the tire pressure is between 130 and 220 kPa, repeat the process to fill the tire sealant into the tire and observe the tire pressure gauge reading on the inflator.
  - If the tire pressure does not reach 130 kPa, it is recommended to contact a BYD authorized dealer or service provider.

### ! REMINDER

- Using tire repair device on damaged tires is only an emergency solution. Please change the tires at a professional repair center as soon as possible. It is recommended that you contact a BYD authorized dealer or service provider and inform the maintenance technician that the tires contain tire sealant.
- Avoid hard acceleration and high-speed turns.
- Abide by the maximum vehicle speed limit of 80 km/h. Do not continue driving if any strong vibration, driving instability, or noise occurs while the vehicle is running.



## REMINDER

- When the tire sealant is about to expire (see the label on the canister for exact date), replace it with a new one.
- After using the tire repair device, it is recommended that you purchase new tire sealant at a BYD authorized dealer or service provider.

# 08

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# Vehicle Data

## Vehicle Data

### Dimensions

Item	Parameter
Length (mm)	4710
Width (mm, excluding side mirrors)	1810
Height (mm)	1690
Wheelbase (mm)	2800
Front track (mm)	1540
Rear track (mm)	1530
Front overhang (mm)	960
Rear overhang (mm)	950
Approach angle (°)	15
Departure angle (°)	17

### Vehicle mass

Item	Parameter
Curb weight (kg)	1780/1800;1895/1915
Front axle load (kg)	945/950;965/970
Rear axle load (kg)	835/850;930/945
Max allowable total mass (kg)	2279/2374;2394/2489
Front axle load at max. allowable total mass (kg)	1073/1083;1093/1103
Rear axle load at max. allowable total mass (kg)	1026/1291;1301/1386
Number of occupants (persons)	6/7

### Drive motor

Item	Parameter		
Model	TZ200XSAK	TZ200XSAN	TZ200XSQ

Item	Parameter		
Type	Permanent magnet synchronous motor		
Drive type	Front-wheel drive		
Rated power/speed/ torque (kW/rpm/Nm)	65/4433/140		
Peak power/speed/ torque (kW/rpm/Nm)	100/16000/250	120/16000/310	150/16000/310

#### Vehicle power performance and economic efficiency

Item	Parameter
Max. design speed (km/h)	180
Max gradeability (%)	31
Power consumption per 100 km under comprehensive working conditions (kWh/100 km)	15.7/16

#### Wheels and tires

Item	Parameter
Tire Specification	225/55 R17
Tire pressure (kPa)	250
Wheel dynamic balance requirement (g)	≤10

#### Wheel alignment values (at curb weight)

Item	Parameter
Front camber (°)	-0.82-0.68
Front toe-in (°)	0-0.36
Kingpin inclination angle (°)	10.97-12.47
Kingpin caster angle (°)	4.78-6.28
Rear camber (°)	-1.5-0
Rear toe-in (°)	0.08-0.4

## Braking system

Item	Parameter
Free stroke of brake pedal (mm)	≤5
Front brake disc thickness (mm)	28
Rear brake disc thickness (mm)	12
Front friction plate thickness (mm)	8
Rear friction plate thickness (mm)	6.5

## High-voltage battery

Item	Parameter
Type	Lithium iron phosphate battery
Rated capacity (Ah)	170

## Seats

Item	Parameter	
Forward and backward moving spaces for front seat (seat cushion depth measured)	The design position is the end of slide rail and 210 mm forward is the foremost position.	
Seatback angle of front seats (cushion depth measured)	23°	
Normal service conditions of front seatbacks	27.5° forward and 45° backward from designed position, slide rail 210 mm forward and 0 mm backward from designed position; slide rail inclination: 4.5°	
Forward and backward moving spaces for second-row seats (seat cushion depth measured)	Seven seaters	270 mm forward from the farthest slide rail stroke
	Six seaters	
Seatback angle of second-row seats (cushion depth measured)	Seven seaters	23°
	Six seaters	
Normal service conditions of second-row seatbacks	Seven seaters	5.6° backward and 16.9° forward from the designed position, forward 250 mm and backward 20 mm on the horizontal guide rail

Item	Parameter
Six seaters	17° backward and 40° forward from the designed position, forward 250 mm and backward 20 mm on the horizontal guide rail
Forward and backward moving spaces for third row seat (seat cushion depth measured)	Immovable
Seatback angle of the third row seats (cushion depth measured)	27°
Normal service conditions of the third-row seatbacks	18.75° forward from the designed position

## Fluid

Item	Parameter
Gear transmission oil type	Castrol BOT384 EV POWER EV2.0
Gear transmission oil amount (L)	0.6 ± 0.05
Brake fluid type	HZY6
Brake fluid amount (ml)	1100 ± 100
Motor coolant type	Long-acting antifreeze
Motor coolant amount (L)	4.9 ± 0.5

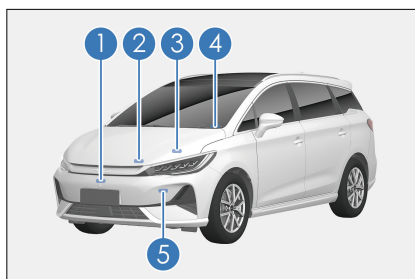
## Information

### Vehicle Identification

#### Vehicle Identification Number (VIN)

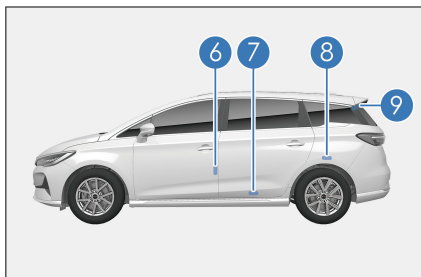
- ① Attached to the upper end of the front crossbeam
- ② Attached to the parallel sheet metal edge to the left front of the hood sheet metal
- ③ Attached to the transmission housing
- ④ Attached to the lower left of the front windshield

⑤ Engraved under the driver's seat



- ⑥ Attached to the lower part of the left front door lock screw
- ⑦ Attached to the left rear door sill
- ⑧ Attached to the left rear wheel envelope

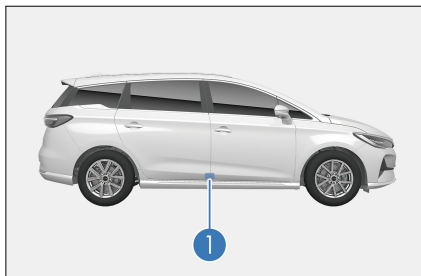
⑨ Attached to the upper part of the inner panel of the trunk lid



Note: After connecting the VDS, the VIN can be found in the upper right corner of the screen for the corresponding model. For details, please refer to the VDS operation manual.

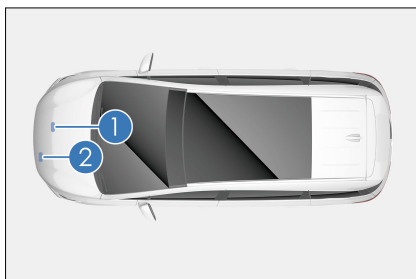
### Vehicle Nameplate

① The vehicle nameplate is located at the lower sheet metal sink of the right B-pillar.



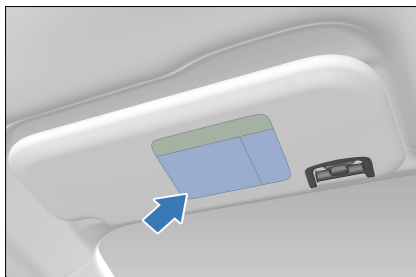
### Model and Serial Number of Drive Motor

- ① Engraved in the middle of the front part of the drive motor housing.
- ② Attached to the front end of the hood.

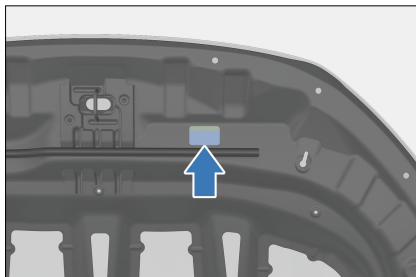


### Warning Labels

The airbag warning label is printed on the sun visor.



The refrigerant refill and cooling fan labels are attached near the hood lock ring.



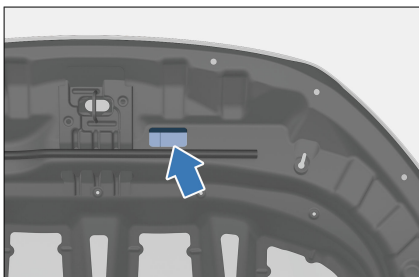
The tire pressure indication label is attached below the right B-pillar.



Side airbag labels are attached on the lower part of the left and right B-pillars.



The battery position indication label is attached near the hood lock ring.

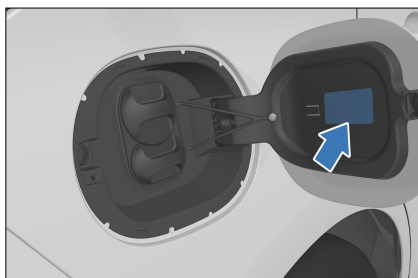


The child protection lock labels are attached on the metal sheet right below

the child protection locks on the left and right rear doors.







The charging warning label is attached inside the charge port door.



# Declarations of Conformity

## Declarations of Conformity

### MmWave Radar Certification

Country	Model	Certification Mark
Singapore	77V12FLR 77V13CRN	Complies with IMDA Standards DA109029
Indonesia	77V12FLR	95034/SDPPI/2023  14743
	77V13CRN	94874/SDPPI/2023  14743
Pakistan	77V12FLR	
	77V13CRN	

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# Abbreviations

<b>Abbreviation</b>	<b>Terminology</b>	<b>Abbreviation</b>	<b>Terminology</b>
ELR	Emergency Locking Retractor	SRS	Supplemental Restraint System
EDR	Event Data Recorder	FCW	Forward Collision Warning
ICC	Intelligent Cruise Control	ACC	Adaptive Cruise Control
IHBC	Intelligent High Beam Control	AEB	Automatic Emergency Braking
TSR	Traffic Sign Recognition	LDA	Lane Departure Assist
LDW	Lane Departure Warning	LDP	Lane Departure Prevention
ELKA	Emergency Lane Keeping Assist	BSD	Blind Spot Detection
DOW	Door Open Warning	RCW	Rear Collision Warning
RCTA	Rear Collision Traffic Alert	RCTB	Rear Cross Traffic Braking
VDC	Vehicle Dynamics Control	TCS	Traction Control System
HHC	Hill Hold Control	HBA	Hydraulic Brake Assist
CDP	Controlled Deceleration for Parking Brake	ESC	Electronic Stability Controller
ABS	Antilock Braking System	EPB	Electronic Parking Brake
AVH	Auto Vehicle Hold	ECU	Electronic Control Unit
PM2.5	Particulate Matter 2.5	TPMS	Tire Pressure Monitoring System
AVAS	Acoustic Vehicle Alerting System	VIN	Vehicle Identification Number

