Foreword

Thank you for choosing BYD ATTO 3. To better use and maintain your vehicle, please read this manual carefully and keep it properly after reading.

Special Instructions: BYD recommends that you choose genuine spare parts and use, maintain, and repair the vehicle properly 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 by use of non-genuine spare parts will not be covered by the warranty. In addition, modifications to vehicles may also violate national laws and regulations and local government regulations.

Thank you again for choosing BYD ATTO 3, and 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 to update the information in the system. You are also advised to pay attention to the relevant national laws and regulations and local policies, and register the vehicle as soon as possible; otherwise vehicle registration may fail.

The descriptions marked with the asterisk (*) in this manual are specific to only some model configurations. The picture used is taken from one of these configurations. If there is any difference with the vehicle you purchased, refer to the actual vehicle.

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:

🚺 Tip

Items that must be observed to facilitate maintenance, etc.

A Note

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

M Warning

Items that must be observed to ensure personal safety.

S is a safety mark that indicates 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 seller who sold the product to you.

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Model Overview

BYD ATTO 3 is a new energy, new power, and pure electric passenger car. It is the kind of environmentally sustainable product that BYD is dedicated to making. It features a load-bearing body, front-to-rear longitudinal beam, and power battery pack integrated with the body to fully ensure the safety of the battery and entire vehicle.

BYD ATTO 3 is driven by electric motors in various working conditions, and therefore can achieve zero emissions.

Being a pure electric vehicle, the BYD ATTO 3 features very low levels of internal and external noise, providing an exceptional driving and riding experience unmatched by any internal combustion vehicle.

The safety of the high-voltage system has been a priority in this vehicle's design, so that driver and passenger safety is ensured in case of a collision.

This vehicle is equipped with a battery management unit that continually monitors its power battery, adjusts power output based on various performance indicators such as voltage and current of each battery cell, and prevents issues affecting battery performance, such as over-charge, over-discharge, and overheating, thus permanently ensuring the battery works under ideal conditions.

The 150 kW motor provides the ATTO 3 with high speed, high torque, and powerful start-up acceleration ability.

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Introduction to Seat Belts

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.

A Note

- Always have the seatbelt fastened while the vehicle is in motion.
- Before driving, make sure all occupants have their seat belts properly fastened to prevent serious injury.
- Vehicle seat belts are designed for adults, not being suitable for children. Make sure the appropriate CRS is chosen according to children's age and size (see section Child Restraint System (CRS)).
- If a seat belt is damaged or malfunctions, contact a BYD authorized dealer or service provider for confirmation and handling. Until then, please do not use the corresponding seat.
- It's mandatory for all vehicle occupants to fasten their seat belts at all times. Failure to do so increases the risk of injury in case of an accident.
- Children must sit in the rear seat and must fasten seat belts for protection. Accident statistics indicate that a child who sits in the rear seat and properly uses a child restraint device is much safer than a child sitting in the front seat.
- Do not allow children to travel standing or kneeling on the rear seat, nor sitting on someone's lap, for there is a high risk of serious injury in case of emergency braking or collision.

Seat Belt Emergency Locking Retractor (ELR) Function

When the driver turns sharply, 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.

- Occupants can move freely when the vehicle is running smoothly and the seat belts are pulled out or retracted slowly
- If the seat belt locks due to sudden retraction, let it retract a little further and slowly pull it back.

Seat Belt Pretensioner and Force Limiter Function*

When there is a serious frontal collision and the triggering conditions of the pretensioner and force limiter are met, the pretensioner quickly retracts part of the seat belt to enhance protection. The force limiter buffers the seat belt's restraint force on the occupant's body within a certain range, to prevent injury from excessive restraint force.

Using Seat Belts

- 1. Adjust the seat position and backrest angle. (See Electrical Front Seat Adjustment*)
- 2. Adjust the position of the threepoint seat belt.
- Keeping a proper sitting posture, pull the seat belt out so that it is diagonally across the chest. The belt should not go under the arm or across the back of the neck.
- Keep the lap section of the belt as close as possible to the hips.



18 1-1 Seat Belts

- Insert the latch plate into the buckle until a "click" is heard, then pull it back to make sure it is firmly locked. Do not fasten the belt with any part of the strap twisted.
- 4. The height of the front seat belts can be adjusted for optimum comfort and protection.
- ① Press the release button.
- ② Move the adjuster up or down to the intended position. Release the button to lock the adjuster.





5. Pull the belt firmly to verify that it is locked.

Tip

- In order to ensure the seat belt provides due protection and prevents injury, the belt should cross over the middle of the occupant's shoulder, be kept away from the neck, and not easily slip off.
- The lap belt should be as low across the hips as possible, to avoid the seat belt tightening on the abdomen and injuring the passenger in the event of an accident.
- For proper protection, the seat belt must be in permanent contact with the occupant's body.

- 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 smoothly and automatically, pull it out and check whether it is twisted.



A Note

- Each seat belt must be used by only one person at a time. Please do not share one seat belt between two or more passengers, not even if they are children.
- Avoid traveling with the seat back leaning too far back. The more upright the seat back, the better the protection.
- In order to prevent damage, do not let any part of the seat belt get caught in the door or rear seat.
- Check all the vehicle's seat belts for chafing, wearing out, loosening or any other issues. 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.
- After an accident, have the seat belts checked at a BYD authorized dealer or service provider. If the preloading 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 with the correct method just as other passengers. Particularly, be sure to position the lap belt portion of the seat belt as low across the hips as possible, to prevent serious injury.

20 1-1 Seat Belts

A Note

- The rear seat belts' fastening method is the same as the front's. For proper protection, make sure the latch is inserted in its corresponding buckle. It is the driver's responsibility to remind passengers to fasten seat belts properly.
- In order to prevent damage, do not insert any foreign object into the buckle.

Unfastened Seat Belt Reminder Function

If any vehicle occupant fails to fasten his/her seat belt after the vehicle is started, a visual and sound alarm will go off until the corresponding seat belt is properly fastened.

Unfastened seat belt indicator

When any seat's belt is not fastened, the unfastened seat belt indicator flashes.

Display of unfastened belt's seat

The indicator displays the corresponding position of the unfastened seat belt.

Unfastened seat belt reminder

If any vehicle occupant fails to fasten their seat belt after the vehicle is started, the unfastened seat belt indicator lights up and the indicator displayed for the corresponding seat goes on. When the seat belt is still not fastened while driving, an audio alarm is given to remind the driver and occupants in addition to the unfastened seat belt indicator being on.

When the driver, the front passenger and rear passengers fastened their seat belts*, the unfastened seat belt indicator goes off and all indicators displayed for the corresponding seats go off.

Tip

If any fault is found, contact a BYD authorized dealer or service provider for confirmation and handling. Until function is restored to normal, do not use the corresponding seat.

It is imperative that all vehicle occupants have their seat belts fastened when the vehicle is in motion, otherwise they will be under serious risk of injury or even casualty in case of an accident.

1

Introduction to Airbags

- The airbag system is a part of the auxiliary restraint system, and also a supplement to the seat and seat belt. When the vehicle is involved in a serious collision and conditions are met, the airbag deploys and provides head protection along with the seat belt chest protection.
- Airbags are divided into front and side types, according to the type of collision. Front airbags include both driver and front passenger airbags, and side airbags include front seat side 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 it must be combined with the use of seat belts to maximize protection.

🔂 Tip

- Occupants must sit in a proper position to maximize the protection provided by the seat belt and the airbag system.
- Do not disassemble or assemble the airbag components without authorization.
- The use of seat covers other than BYD original products may result in poor airbag performance and consequential injury. Do not place anything between the side airbag and the passenger.
- Do not apply excessive force to the side of seats equipped with side airbags.
- After a collision, even if the airbag module did not deploy, and the pretensioner did not lock the seat belt, the airbag computer may be encrypted in order to protect the passengers from the dangers of high voltage. Contacta BYD authorized dealer or service provider to carry out testing.

Driver and Front Passenger Airbags

This vehicle is equipped with driver and front passenger airbags. When the airbag system electronic control unit (ECU) detects a moderate to severe front impact, and the triggering conditions are met, the airbags deploy.



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, the seatbelt provides 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.
- The airbag deploys within a thousandth of a second.
- A loud noise is heard when the airbag deploys. It does 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.

1

24 1-2 Airbags

Front Passenger Side Airbags

The vehicle is equipped with side airbags for the left and right front seats (installed in the outer edges of the front seat backs and marked with "AIRBAG", as shown):



- When the ECU detects a moderate to severe side impact, and the triggering conditions are met, the side airbag deploys to protect the occupant's chest.
- When a side impact occurs, generally only the airbag on the impacted side deploys.
- If the impact occurs on the passenger side, the airbag on the passenger side deploys even without a person in the seat.
- For optimum side airbag protection, the occupant must have their seat belt fastened and sit upright against the seat back.

In a vehicle equipped with seat side airbags:

- Do not let the seat backs get wet. If they get wet from rain or splashes, the side airbag system may not work properly.
- Users are not to cover or replace the seatback covers by themselves. Unsuitable seatback covers may prevent airbag deployment.

Side Curtain Airbags

The vehicle is equipped with left and right side curtain airbags (installed at the junction of the body side trim and the ceiling and marked with "CURTAIN AIRBAG" on the A-pillar trim, Bpillar trim, and C-pillar trim, as shown). When the ECU detects a moderate to severe impact and the triggering conditions are met, the curtain airbag deploys to protect the occupant's head.



- When a side impact occurs, generally only the airbag on the impacted side deploys.
- For optimum curtain airbag protection, the occupant must have their seat belt fastened and sit upright against the seat back.

Airbag Triggering Conditions

Cases When Airbags May Be Deployed

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



26 **1-2 Airbags**

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 Where Airbags May Not Be Deployed

The vehicle hits a concrete pillar, tree, or similar object.



The vehicle goes under a truck or other large vehicle.



The tail of the vehicle is hit by another vehicle.



1

28 1-2 Airbags

The vehicle rolls over.



The vehicle hits a wall or another vehicle diagonally.



Parts other than the passenger compartment receive side impacts.

The lateral side of the vehicle is hit diagonally.



The lateral side of the vehicle hits a columnar object.



A Warning

- Airbags are developed to match specific car models. Any changes to suspension, tire sizes, bumpers, chassis and original equipment can 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.
- 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.
- 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 risk of injury.
- Do not paste stickers, cover or decorate the hub cover of the steering wheel, the right side surface of the dashboard panel 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.
- No accessories, like phone or cup holders or ashtrays, must be installed on airbag covers or within their action range.
- Side curtain airbags are triggered by strong impacts at high speeds, so occupants must not lean against the doors of vehicles equipped with this type of airbag while these vehicles are in motion.
- Do not place any other gadgets or items within the action range of the side curtain airbags, such as the windshield, side door glass,

Safety

30 1-2 Airbags

A Warning

A-pillar trim, ceiling, B-pillar trim, C-pillar trim and auxiliary handle. When the side curtain airbag is triggered, the gadget or item may be thrown with the impact force from the side air curtain, or the side air curtain may not be deployed normally.

- When transferring car ownership, make sure to pass on all of the vehicle's documents.
- Do not disassemble or repair the A-pillar trim, ceiling, B-pillar trim or C-pillar trim, which contain side curtain airbags. These changes can cause system failure or accidental triggering of curtain airbags.
- Do not change any component of the airbag system, including any corresponding label. Any operation done to the airbags must be performed by a BYD authorized dealer or service provider.
- Airbags can only provide one-time accident protection. Once an airbag is triggered or damaged, the airbag system must be replaced.
- When scrapping the car or disposing of parts of the airbag system, observe the related safety regulations and disposal procedures.
- The airbag system has strong anti-interference and anti-disturbance resistance to electromagnetic fields around it. However, do not use the vehicle in electromagnetic environments above state approved ranges.
- This vehicle's airbag system has been developed by considering a series of road condition factors, however, drivers are advised to drive carefully in rough terrains in order to avoid impacts to the bottom of the vehicle.
- This vehicle's airbag system has been fully verified to seamlessly match the vehicle's original wiring harness system. Any wiring harness alteration may cause the airbags to deploy without proper triggering or fail to deploy in the event of a collision.

If any of the following events occurs, contact a BYD authorized dealer or service provider immediately.

The airbags have deployed.

- The airbag warning light 📌 on the instrument cluster lights up abnormally.
 - The airbag system is monitored by the ECU and has a selfdiagnostic function. The airbag warning light can be checked on the instrument cluster to determine the airbag system status.
 - When the vehicle power status is on "OK", if the airbag warning light keeps on for about 5 s and goes off and keeps off for more than 5 s, the system is normal.
 - If the airbags are disabled, the warning light is constantly on, and the airbags cannot provide protection.

If any of the following occurs, the airbag system is faulty:

- The ignition switch is on "OK" but the warning light goes off.
- The ignition switch is on "OK" but the warning light does not go off 5 seconds, or goes off and then on again.
- The ignition switch is on "OFF" but the warning light goes on.
- The warning light goes on, or flashes while driving. If a fault occurs, go to a BYD authorized dealer or service provider for inspection and repair as soon as possible.
- There is a collision with the front of the vehicle (highlighted area shown), but the front airbags do not deploy.



Safety

32 1-2 Airbags

The airbag cover is broken, cracked, or damaged in any way.



Airbags need to be disassembled, installed, or repaired.

Child Restraint System (CRS)

Select a suitable child restraint system for your child's weight and stature.

Select an appropriate CRS for your child. Children who are too big to use a CRS, should sit in the rear seat and use seat belt.

When CRS is not used

Properly secure the CRS on the seat. Do not place the CRS on the passenger seat or in the trunk without securing it.

A Note

- A child must be protectively restrained by a seat belt or CRS depending on the child's age and size, so as to provide effective protection for the child in the event of an accident or emergency stop. Holding a child in your arms is no substitute for the role of a CRS. In an accident, the child may smash into the windshield or be squeezed between you and the car frame.
- Please install the CRS correctly according to the installation instructions provided by the CRS manufacturer. Otherwise, in the event of an emergency stop or accident, this may result in serious or even life-threatening injury to the child.

Tip

- BYD Auto strongly recommends that you use a CRS. Some studies have shown that it is safer to install the CRS in the rear seat than in the front seat.
- Always follow the detailed instructions provided by the CRS manufacturer. Make sure the CRS is tightly fastened on a rear outboard seat.
- Secure the top straps when installing the CRS.

Safety

34 1-3 Child Restraint System (CRS)

Installing Child Restraint Systems

The outboard rear seats are equipped with specialized anchorage anchorages. The locations identified are bv markings located on the associated seats



The rear seats are equipped with anchorages on the back of the seat.



Installing the child restraint system

1. Identify the appropriate anchorages and install the child restraint system.



i Tip

The anchor rod is installed in the gap between the seat cushion and the seat back. 2. Lift the headrest up, attach the tether strap to the anchorage on the back of the seat back, then tighten the top tether to make sure that it is attached securely.

- (1) Top tether
- (2) Anchorage

3. Adjust the headrest to an appropriate position.

- If the driver seat obstructs or interferes with the correct installation of the child restraint system, install the system on the right rear seat.
- Never use a rear-facing child restrain system on а seat protected by front airbad а activated, otherwise the impact of the fast deployment of the front passenger airbag will result in serious injury or even be lifethreatening to the child in an accident



A Warning

- Push and pull the child seat in different directions to verify that it is firmly installed.
- When using the lower anchoring device, make sure there is no foreign matter around the anchoring device and the seat belt is not stuck behind the child seat. Ensure that the child restraint system is firmly secured, otherwise, emergency parking or accidents may cause serious injuries to the child or be life-threatening.
- Do not install a child seat on the front seat.

Seat Suitability for Child Restrain Systems



1

36 1-3 Child Restraint System (CRS)

	Passenger Seat (or Other Postions)			
Group	Front passenger seat	Rear Outboard Seat	Rear Middle Seat	
Group 0 (up to 10 kg)	Х	U	Х	
Group 0+ (up to 13 kg)	х	U	х	
Group 1 (9 to 18 kg)	х	U/UF	Х	
Group 2 (15 to 25 kg)	х	UF	х	
Group 3 (22 to 36 kg)	Х	UF	Х	

Table definitions:

U = Seat suitable for installing child restraint systems with universal approval in this group

UF = Seat suitable for installing front-facing child restraint systems with universal approval in this group

X = Seat not suitable for installing child restraint systems in this group

International Standards Organization Fix(ISOFIX)Seat Suitability for Child Restrain Systems

			Passenger Seat (or Other Postions)		
Group	Size Class	Fixing Module	Front Passenger Seat	Rear Outboard Seat	Rear Middle Seat
Hand-Held	F	ISO/L1	Х	Х	Х
Infant Carrier	G	ISO/L2	Х	Х	Х
Group 0 (up to 10 kg)	E	ISO/R1	х	х	х
Croup 01	E	ISO/R1	Х	Х	Х
(up to 13 kg)	D	ISO/R2	Х	Х	Х
	С	ISO/R3	Х	Х	Х
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			Passenger Seat (or Other Postions)		
Group	Size Class	Fixing Module	Front Passenger Seat	Rear Outboard Seat	Rear Middle Seat
	D	ISO/R2	Х	Х	Х
Croup 1	С	ISO/R3	Х	Х	Х
(9 to 18 kg)	В	ISO/F2	Х	IUF	Х
(3 to 10 kg)	B1	ISO/F2X	Х	IUF	Х
	A	ISO/F3	Х	IUF	Х

Note 1: For child restraint systems not identified with ISO/XX size categories (A~G), the vehicle manufacturer shall specify the vehicle ISOFIX child restraint system recommended for each seat in applicable weight groups.

Note 2: Table definitions:

IUF = Seat suitable for installing forward-facing ISOFIX child restraint systems with universal approval in this group

X = Seat not suitable for installing ISOFIX child restraint systems in this group and/or this size class

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38 1-4 Anti-theft System

Anti-theft System

Anti-theft System

If the vehicle is in anti-theft mode, it will sound an alarm and its turning lights will flash when any door is opened.



Enabling the Anti-theft System

- 1. Set the ignition switch to OFF.
- 2. After all passengers have got out of the vehicle,
- 3. lock the doors, and the anti-theft indicator light will be on. The antitheft system is automatically enabled 10 seconds later. After the system is enabled, the anti-theft indicator starts to flash.
- 4. After ensuring that the indicator is flashing, the vehicle can be left. The anti-theft system is activated if a person opens or unlocks the door from inside the vehicle. Therefore, never allow anyone to remain in the vehicle while enabling the anti-theft system.

Triggering the Alarm

- The anti-theft system generates an alarm sound in any of the following cases:
 - Any door, trunk, or hood is opened without using the keyless access function of the smart key.
 - The vehicle is powered on without using the keyless start function of the smart key.

Anti-theft OFF

- The alarm can be stopped by the following methods:
 - Use of a valid smart key to unlock the vehicle.
 - Use of the microswitch to unlock the vehicle.

- Use of a valid smart key to remotely unlock the trunk.
- Use of a valid smart key to remotely start the vehicle.
- Pressing the Start/Stop button of the valid smart key inside the vehicle.

A Warning

Do not make any changes or additions to the anti-theft system. Such changes could cause the system to malfunction.

Anti-theft Indicator

When the anti-theft system is enabled, the anti-theft indicator is steady on for 10 seconds.



Event Data Recorder System

This vehicle is equipped with theEvent Data Recorder(EDR), which is used to record the key data of vehicle operation during the pre-crash, crash and post-crash phases.The detailed data are as follows:

Data name	Data meaning	Data usage
Longitudinal delta-V	The change of vehicle longitu- dinal speed, namely longitudi- nal delta-V is only the longitu- dinal component of the total acceleration.	Analyze the speed change of the vehicle in the forward direction at the adjacent time points before and after the collision event.
Maximum recorded longitudinal delta-V	The maximum value of the cumulative change in vehicle speed in the X-axis direc- tion recorded by the EDR. This data should be used in conjunction with "time to reach the maximum recorded longi- tudinal delta-V".	Analyze the maximum vehicle speed change in the forward direction before and after the collision.
Time to reach the maximum recorded longitudinal delta-V	Along the direction of X-axis, the time redorded by EDR from the zero point of time to the maximum value of the cumulative change of speed. This data should be used in conjunction with "maximum recorded longitudinal delta-V".	Analyze the time taken to reach the maximum vehicle speed change value in the forward direction.
Driving brake, on or off	Used to detect whether the driver has press the brake pedal.	Analyze whether the driver pressed the brake pedal when the collsion happened.
Vehicle speed	Vehicle linear speed or vehicle speed obtained by other means.	Analyze the driving speed of the vehicle when the collsion happenes.
Vehicle identification number	Vehicle identification number specified by the vehicle manufacturer.	Confirm whether the data recorded by EDR is the vehicle involved in the colli- sion.

Note: If the longitudinal aceleration is recorded by EDR, the longitudinal delta-V, the maximum recorded longitudinal delta-V, and time to reach the maximum recorded longitudinal delta-V may not be recorded.

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Instrument Cluster View

LCD Instrument Cluster



- 1 Time
- 2 Power meter
- ③ Speedometer
- (4) State of Charge (SOC) meter
- (5) Outside temperature

- 6 Total mileage
- ⑦ Driving range
- (8) Gear status
- (9) Drive mode information
- 10 Energy regeneration information

Instrument Cluster Indicators

Indicators and Warning Lights

++	Turn signal indicator	<u></u> ,>00€	Position light indicator
٥	High beam indicator	Q≢	Rear fog light indicator
OK	OK indicator	却	Front fog light indicator*
ECO	ECO indicator	SPORT	SPORT indicator
(A)	AVH indicator	9	Hill descend control indicator*
-¦Ċ-	Exterior light switch indicator	ECA	HMA indicator*
	Discharge indicator	Q	All-weather sensor indicator
	ACC standby indicator (gray)*	100	ACC speed indicator
R	ACC status indicator*	(\bigcirc)	AVH standby indicator (white)
SET	Cruise control indicator	•	Cruise control main indicator
<i>i</i> @`	Traffic jam assistant (TJA) indicator*	5*⊊	Predictive collision warning (PCW) indicator (green)
5₹	Autonomous emergency braking (AEB) warning light*	!-0	Smart key warning light

46 2-1 Instrument Cluster

(!)	Tire pressure fault warning light	\triangle	Main alarm indicator
	ESC OFF warning light		ESC fault warning light
(ABS)	ABS fault warning light		Driving power limit warning light
-	Headlight fault warning light		Snow mode indicator
<u>-</u> +	Low battery warning light	¢k.	ACC warning light
C _{//}	Blind spot detection (BSD) indicator*	ರ್≾⊈	PCW warning light (red)
	Motor overheating warning light	.	Motor coolant overheating indicator
Ä	Unfastened seat belt warning light		Airbag fault warning light
(P)	EPB indicator	((!))	Parking system fault warning light
⊘!	Steering system fault warning light	₽2	Power battery charging connection indicator
- +	Low-voltage power system fault warning light	₽.	Power battery overheating warning light
	Power battery fault warning light	< <u>:</u> >	Powertrain fault warning light
120	Traffic sign recognition (RSR) indicator*		

Warning Light and Indicator Description

- Smart key system warning light

- If the key is not in the vehicle when the power button is pressed, this warning will light up for a few seconds, a beep will be heard, and a "No key detected, please check whether the key is in the car" message will be displayed on the cluster.
- If an electronic smart key matching the vehicle is inside and the power button is pressed, the warning does not light up and the vehicle is powered on normally.
- If the warning light flashes when the power button is pressed, the battery of the smart key is low.
- If the key is not in the vehicle, the instrument cluster prompts "The key is not detected, please check whether the key is in the car"

(ABS) Antilock braking system(ABS)warning light

- When the ignition switch is on OK, this warning light goes on. If ABS is working normally, this warning light goes off in a few seconds. If ABS is faulty, the warning lights up again until the fault is cleared.
- When the ABS warning light goes on (the parking brake system warning light goes off), ABS is not working, but the braking system still works normally.
- When ABS is not working, wheels will be locked in emergency braking or braking in slippery roads.
- If any of the following cases occurs, it means there is a fault in components monitored by the warning light system. In such case, contact a BYD authorized dealer or service provider as soon as possible.
 - When the ignition switch is on OK, this warning light does not go on or is steady on.
 - This warning light goes on while driving.

Tip

- A warning light that lights up briefly during operation does not indicate that there is a problem.
- If the parking brake system warning light and the ABS warnings light up at the same time, immediately stop the vehicle safely and contact a BYD authorized dealer or service provider. In this case, when the brake is applied, not only will the anti-lock braking system fail to work, but the car will also become extremely unstable.
- If both the ABS warning light and braking system warning lights go on after the EPB is released, it indicates that the electronic brake-force distribution (EBD) system of the front and rear tires has also failed.



- When the ignition switch is on OK, this warning lights up.It goes off in a few seconds if the tire pressure monitoring system (TPMS) works normally. If the system is faulty, this warning light goes on again.
- When the tire pressure warning light is on or flashing, the instrument cluster displays "Please check the tire pressure monitoring system", and the tire pressure is displayed as "---" on the screen, it indicates that the TPMS is faulty.
- When the TPMS displays "Signal Abnormal", it indicates that the tire pressure signal at the location of the vehicle may be disturbed or the TPMS module is damaged.
- When the tire pressure warning light flashes quickly, and one or more tire pressures displayed on the meter turn red, it indicates that the corresponding tire is leaking fast.
- When the tire pressure warning light is steady on, and one or more tire pressures displayed on the instrument cluster turn yellow, it indicates that the corresponding tire pressure is too low. When the temperature of one or more tires turn yellow, it indicates that the tire temperature is too high.

If any of these cases occurs, contact a BYD authorized dealer or service provider for inspection as soon as possible.

Electronic stability control (ESC) warning light

- When the ignition switch is on OK, this warning light goes on. If the ESC function is working normally, this warning light goes off in a few seconds. If the ESC system is faulty, this warning light goes on again until the fault is cleared.
- If the ESC warning light flashes while driving, it indicates that the ESC system is working.
- If the ESC warning light goes on (the ABS warning light and parking brake system warning lights go off), there is ESC fault, but the ABS and braking system still work normally.
- When the ESC function fails, the vehicle will be extremely unstable when making sharp turns and avoiding obstacles.
- If any of these occurs, a component monitored by the warning light system may be faulty. In this case, contact a BYD authorized dealer or service provider for inspection as soon as possible.
 - When the ignition switch is on OK, this warning light does not go on (and self-check is not performed).
 - This warning light is steady on while driving.
 - If this warning light flashes while driving, it indicates that the ESC system is working.

🔂 Tip

- During operation, a warning light that lights up briefly does not indicate that there is a problem.
- If the ESC warning light is still on while the ABS warning light and the brake system warning light are on, stop the vehicle safely and contact a BYD authorized dealer or service provider. In this case, when the brake is applied, not only will the car become extremely unstable, but the anti-lock braking system will not work at all.



2

When the ESC OFF switch is pressed, the ESC OFF warning light goes steady on, and the ESC function will not work. When the ESC OFF switch is pressed again, this warning light goes off, and the ESC function recovers.

i) Tip

If the ESC OFF warning light is on, the driver must be alert and maintain a slow driving speed in sharp turns and when avoiding obstacles. In this case, when the brake is applied, the ESC system function will not work, and the car will become unstable.



Drive power limit warning light

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



Headlight warning light

If this warning light turns yellow, it indicates that the headlight is faulty. In this case, take the vehicle to a BYD authorized dealer or service provider for inspection.



Main alarm indicator

If this indicator goes on, check the fault prompt or warning information in the information display area.



X Unfastened seat belt warning light

When the ignition switch is on OK, if any seat belt on the front row is not fastened, the corresponding seat belt indicator will be on. The indicator does not go off unless the seat belt is fastened.



- When the ignition switch is on OK, this warning light goes on. It goes off in a few seconds if the airbag system works normally. This warning light is used to monitor the ECU, crash sensor, inflator, warning light, wiring, and power supply of airbags.
- If any of the following cases occurs, a component monitored by the warning light system may be faulty. In this case, contact a BYD authorized dealer or service provider for inspection as soon as possible.
 - When the ignition switch is on OK, this warning light does not go on, or is steady on.
 - This warning light goes on while driving.

Parking brake system warning light

When the brake fluid level is low or the brake system is faulty, this warning light goes on. If any of these cases occurs, stop immediately and contact a BYD authorized dealer or service provider.

When the ignition switch is on OK and the brake fluid level is low, this warning light goes on.

🛿 Tip

- When the brake fluid level is low, park the vehicle because it is dangerous to continue driving.
- After starting the vehicle, if the brake fluid level is normal and the EPB is working normally (the EPB switch can be pulled up and released normally, and the prompt "Please check the EPB" is not displayed), the warning light is steady on.
- Both the parking brake system warning light and ABS warning light go on.

🔂 Tip

If this warning lights up briefly during operation, it does not indicate that there is a problem. Steering system warning light

If the steering system becomes faulty, this warning light is steady on. In this case, send the vehicle to a BYD authorized dealer or service provider for inspection.

🕑 Tip

- 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 coming 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 5 s, otherwise the temperature protection will be activated and the steering system will be damaged or steering will become heavy.
- If the steering wheel is frequently turned when the vehicle does not move, its power assist effect will be reduced to prevent steering system overheating.
 - Therefore, it may feel difficult to turn the steering wheel even if the warning light does not go on. In this case, reduce steering frequency or power off the vehicle, and the system will recover within 10 minutes.

A Warning

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

- + Low-voltage power system warning light

- In non-charging or discharging state, this warning light indicates the working state of the DC module and the battery module.
- In charging state, this warning light indicates failure of the charging system.

If this warning light goes on while driving, the DC system or low-voltage power supply system is faulty. In this case, turn off the A/C and fans, immediately park the vehicle safely, and contact a BYD authorized dealer or service provider.

Power system warning light

- This warning light goes on if the power system becomes faulty.
- If any of these cases occurs, a component monitored by the warning light system may be faulty. In this case, contact a BYD authorized dealer or service provider for inspection as soon as possible.
 - When the ignition switch is on OK, this warning light is steady on.
 - This warning light goes on while driving.

🛕 Note

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.



Power battery overheating warning light

- If this warning light goes on, the battery temperature is too high. In this case, park the vehicle to cool it down. If this warning light flashes, park the vehicle in a safe place immediately, and leave the vehicle.
- The power battery may be overheated when the vehicle:
 - Drives up a slope for a long time in hot weather.
 - Frequently stops and goes, frequently accelerates, brakes suddenly, or runs for a long time without pause.



Power battery warning light

This warning lights up just as ignition goes on OK. It goes off if the power battery works normally. Later, if the system becomes faulty, this warning light goes on again. In this case, contact a BYD authorized dealer or service provider for inspection as soon as possible.

- If any of these cases occurs, a component monitored by the warning light system may be faulty. In this case, contact a BYD authorized dealer or service provider for inspection as soon as possible.
 - When the ignition switch is on OK, this warning light is steady on.
 - It is still on or occasionally goes on while driving.
- Motor refrigerant overheating indicator
- If this indicator goes on, the motor temperature is too high. In this case, park the vehicle in a safe place immediately, leave the vehicle, and contact a BYD authorized dealer or service provider for inspection as soon as possible.

Other Instrument Cluster Fault Prompts

The instrument cluster may display the following error messages. Handle them according to the recommended handling methods.

Symbol	Error Message	Handling
	Please check the on-board charging system.	The on-board charging system is faulty. In this case, check the charging connection, and reconnect the charging equipment. If the fault persists, contact a BYD authorized dealer or service provider.
	Please check the data network of the vehicle.	The vehicle may be disconnected from the data network. In this case, park the vehicle immediately, and contact a BYD authorized dealer or service provider.
-0.	Please check the headlight.	The headlight is faulty. In this case, contact a BYD authorized dealer or service provider.
5 [*] €	Please check the PCW system.*	The PCW system is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
	The AEB function is limited.*	The AEB system is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.

0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Please check the BSD system.*	The blind spot detection system for lane change is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
	The BSD function is limited.*	The BSD function is limited. In this case, park the vehicle, and contact a BYD author- ized dealer or service provider.
₽	Please check the shifter.	The shifter controller is faulty. In this case, park the vehicle immediately, and contact a BYD authorized dealer or service provider.
	Please check the multifunc- tional video controller.*	The multifunctional video controller is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
	The function of the multifunc- tional video controller is limit- ed.*	The function of the multifunctional video controller is limited. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
	The smart camera is unavail- able.*	The smart camera is unavailable. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
E.	Please check the lane departure warning system (LDWS).*	The lane departure warning system (LDWS) is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
/A\	Please check the ICC or LKS.*	The intelligent cruise control (ICC) or lane keeping system (LKS) system is faulty. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.
	The function of the ICC or LKS is limited.*	The function of the ICC or LKS is limited. In this case, park the vehicle, and contact a BYD authorized dealer or service provider.

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Introduction to Keys

Keys include the electronic smart key and mechanical key (installed in the electronic smart key).

Smart Key

Press the left or right front door microswitch, while carrying the smart key, to unlock or lock all doors, or press smart key buttons to lock/unlock doors, open the trunk, or start the vehicle remotely.

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



A Note

- The smart key is an electronic component. Observe the following instructions to prevent damage:
 - 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 let the smart key get wet.
 - Keep the smart key away from electromagnetic wave emitting devices, such as smartphones.
 - Do not attach any object (such as a metal seal) that may cut off electromagnetic waves when using the smart key.

A Note

- Register a spare key for the same vehicle. For details, contact a BYD authorized dealer or service provider.
- If the smart key fails to control the doors within the normal distance, or if the indicator on the key is dim or off:
 - Check for nearby radio stations or airport radio transmitters that may interfere with the normal operation of the smart key.
 - The smart key battery may be exhausted. Check the smart key battery. If the battery needs to be replaced, contact a BYD authorized dealer or service provider.
- 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, increase the transmission power (including installing an extra amplifier), connect an external detection antenna, or use other transmission detection antennas without authorization.
- 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.
- When using a micropower radio device, avoid the interference from various radio services or the radiation interference from the equipment in industrial, scientific and medical applications.
- Do not use such device near an airplane or airport.
- People with pacemakers or defibrillators should stay away from the detection antennas of the smart access and start system, because electromagnetic waves may interfere with the normal functioning of these devices.
- In addition to people with pacemakers or defibrillators, people using other electronic medical devices should also consult the manufacturer on the use of such medical devices under the influence of electromagnetic waves. Electromagnetic waves may have unpredictable consequences for the use of such medical devices.

A Note

Upon leaving the vehicle, make sure to carry the key and lock the vehicle at any time. Never leave anyone (especially children) inside the vehicle.

Mechanical Key

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

Removing the Mechanical Key

Press the latch (2), pull the locking structure in the desired direction (1), open the back cover of the key upward, and take out the mechanical key.



Press the latch (2) and insert the mechanical key back into the smart key when it is not in use.

Mechanical key number plate

The mechanical key number is marked on the number plate. If the key is lost or needs to be copied, use the key number to copy it at a BYD authorized dealer or service provider.



🕡 Tip

Be sure to store the number plate in a secure place for safekeeping; do not put it in the car.

🔂 Tip

It is recommended that the user records the key number and stores it in a safe place.

Locking/Unlocking Doors

Locking/Unlocking with Mechanical Key

Insert the key into the key hole, turn and remove the key, and pull the door handle to open the door.

- To unlock the driver's door, turn the key clockwise.
- To lock the driver's door, turn the key counterclockwise.



A Note

After removing the mechanical key, pull the main door handle to open the door

Opening Doors 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.



Warning

- Do not allow children to play with the door handle, so as to avoid the door opening while driving.
- If there are children in the vehicle, make sure to enable the child protection lock function.

A Note

As this vehicle is equipped with a child protection lock, the rear doors can only be opened with the interior handle when the child protection lock is disabled.

Locking/Unlocking with Smart Key

- The wireless remote control function is used to unlock or lock all doors at close range, and complete additional functions.
- In the active area, press the button on the registered smart key to lock or unlock all doors.

Locking:

- When the ignition switch is on OFF and all the doors and hood are closed, press the Lock button. All doors then lock, side mirrors fold in (the switch is set to AUTO), and the turning lights flash once. Check that all doors are locked.
- If any door, hood, or trunk is not closed, the turning lights do not flash, and the horn beeps once.



- To unlock all doors, press the microswitch on the door handle while carrying a valid smart key. All doors will unlock, side mirrors will unfold*, and turning lights flash twice.
- When the ignition switch is ON, doors cannot be unlocked with the lock or unlock button.
- When all doors are unlocked with the electronic smart key, even if they are not opened, the interior lights may be on ("Door control" on the interior light switch goes on) for 16 seconds and then turn off.
- When anti-theft mode is activated, if no door is opened within 30 seconds after all doors have been unlocked with the smart key, they will lock automatically.
- If the smart key is left inside the cabin or trunk of the locked vehicle, and the door or trunk is closed, the vehicle will unlock automatically and the turning lights will flash twice.
- If the vehicle is equipped with four-door anti-pinch function and the lock/unlock button is pressed for a long time, locking/unlocking will not be repeated. It is necessary to release this button and press lock/ unlock again. When the lock button is pressed and held, the vehicle's four windows will automatically rise.

🔂 Tip

If the ignition switch is not on OFF, the Lock or Unlock button cannot be used to lock or unlock doors.



Opening Trunk with Smart Key

Press the smart key trunk unlock button twice to open the trunk. The turning lights will flash twice.



Don't forget to carry the smart key when leaving the vehicle.

Finding the Vehicle with Smart Key

- When the vehicle is in anti-theft mode, press the lock button. The vehicle sounds a long beep and turn signals flashes 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.

Raising/Lowering Windows with Smart Key

- When the ignition is switched off:
 - Press and hold the lock button on the smart key to raise the four windows.
 - Press and hold the unlock button on the smart key to lower the four windows.

A Warning

When using the remote control function to raise windows, pay attention to the safety of occupants in the vehicle, and use this function only after making sure the windows are clear from pinching anyone.

🕖 Tip

Users can turn this function on/off by pressing and holding the smart key lock/unlock button and open/close windows through \ominus \rightarrow

🕑 Tip

Vehicle Settings \rightarrow Doors, Windows and Locks Settings interface (depending on actual vehicle configuration).

Locking/Unlocking with Microswitch

Locking

- When the ignition switch is on OFF and all doors are closed but not locked, press the front door handle microswitch while carrying the smart key to lock all doors. The turning lights will flash once.
- If any door, hood, or trunk is not closed, the microswitch can be used to lock the closed doors. The turning lights will not flash but the horn will beep once.



Unlocking

- In anti-theft mode, press the front door handle microswitch while carrying the smart key to unlock all doors. The turning lights will flash twice.
- When anti-theft mode is activated, if no door is opened within 30 seconds after all doors have been unlocked with the microswitch, they will lock automatically.
- Pressing the microswitch will not lock or unlock doors when:
 - The microswitch is pressed while opening or closing a door.
 - The ignition switch is not on OFF.
 - The smart key has been left inside the vehicle.

3

66 3-1 Doors and Keys

🔂 Tip

If the smart key is too close to the exterior door handle or window, the entry function may not be activated.

Raising/Lowering Windows with Microswitch

When the ignition switch is OFF, press and hold the front door handle microswitch while carrying the smart key to roll up or down all windows. (Tap on Vehicle Settings → Window and Lock Settings in the infotainment system to enable or disable this function.)

Locking/Unlocking Trunk Lid

Using the smart key to open or close the trunk lid

Press the smart key trunk unlock button twice to open or close the trunk lid.



🕖 Tip

If the trunk unlock button is pressed again while the lid is in motion, it will stop at its current position.

Opening the trunk lid with the exterior switch

When the vehicle is locked, press the trunk lid external switch while carrying the smart key to open the trunk.

🔂 Tip

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

Unlocking the Trunk in an Emergency

There is an emergency unlocking cover just above the trunk lock. Open the cover and pull the emergency unlocking rope or lever to open the trunk in an emergency.



7 Tip

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

Setting the trunk lid opening height*

Stop the lid opening motion at the desired position. Press and hold the lid switch for at least 3 seconds to set lid height. There will be a beep to indicate that the height has been successfully set. ■ Tap on Vehicle Settings → Window and Lock Settings in the infotainment system to set the trunk lid opening height.

Anti-pinch function

If the lid receives a hindering force while it is closing, it will automatically switch motion to the opposite direction. If it receives a hindering force while it is opening, it will halt its motion.

When the battery is reconnected

When the battery is reconnected, close the trunk manually and the electric function will recover.

A Warning
In order to prevent serious injury, make sure to observe the following precautions:
 Never try to deliberately activate the anti-pinch function.
 Make sure to alert people nearby of the lid motion.
 Make sure hands and fingers are clear from the lid area when it is closing.
 When opening or closing the trunk, make sure the surrounding area is safe.
 Make sure the trunk is properly closed when the vehicle is in motion.
 Make sure to remove any ice or snow from the area before opening the trunk, otherwise the lid may close again.
 Do not manually interfere in lid motion when it is opening or closing.
 Be mindful of windy conditions when opening or closing the trunk.
 The anti-pinch function may fail to work if an object is caught right before the trunk is fully closed.
• Opening or closing the trunk on slopes is more difficult than on level ground. The lid may start closing before fully opening. Be mindful of the possibility of the lid to move on its own in such

A Warning

conditions. Before loading or unloading the trunk, make sure the lid is fully open and secure.

 The anti-pinch function may fail depending on object shape. Be specially careful about hand and fingers.

Locking/Unlocking with Center Console Door Lock

Using the center console door lock to lock or unlock the vehicle

For details, see "Center Console Door Lock" in this chapter.

Automatically locking and unlocking doors

- When the function setting is enabled in the PAD, the vehicle is in OK gear, and the vehicle speed changes from ≤8 km/h to >8 km/h, if all of the car doors are closed, but any car door is not locked, it will command electric locking of all four door locks.
- Press the Start/Stop button, and change the ignition switch from OK to OFF. Then, all doors are unlocked automatically.

Locking and unlocking all doors concurrently

- If the vehicle does not enter the anti-theft mode after it is locked, the center console door lock back light goes on, and off when the vehicle is unlocked.
- When the center console door lock is pressed, all doors are locked, and any attempt to open any door from the outside fails. The interior handle must be pulled twice to open a door.

Emergency Locking of All Doors with Mechanical Key

When the center console lock system or the smart key fails, the mechanical key can be used for emergency locking or unlocking.

Locking

- 1. Remove the mechanical key from the smart key.
- 2. The three doors other than the driver's door can be locked by moving down the slider with the mechanical key (as shown) and closing the door.



- 3. After locking the three doors, open the driver's door.
- 4. Insert the mechanical key into the keyhole, turn it counterclockwise as far as it can go, return it to the initial position and pull it out. (For details, see Locking/ Unlocking with Mechanical Key)

Unlocking

- 1. Remove the mechanical key from the smart key.
- 2. Insert the mechanical key into the keyhole, turn it clockwise as far as it can go, return it to the initial position and pull it out.
- 3. Pull the interior handle to unlock and open the three other doors.

Smart Access and Start System

Use the smart key to lock/unlock doors and start the vehicle.

Access Function

Use the smart key to unlock or lock the vehicle doors. (For details, see Locking/Unlocking with Smart Key in this chapter)

Start-up Function

With the smart key inside, press the brake pedal and the Start/Stop button to start the vehicle. (For details, see Starting the Vehicle from Inside.)

Antenna positions

- ① Interior antenna
- ② Exterior antenna



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 1 m from the front door handle and the exterior trunk switch.

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.



🔂 Tip

The smart access and start system may not work properly when:

There is a strong electromagnetic field nearby, such as TV towers, power stations, and broadcasting stations.

🕖 Tip

- 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.
- Another wireless remote control function is being used nearby.
- The smart key battery is exhausted.
- The smart key is close to high-voltage equipment or equipment that produces noise.
- The smart key is being carried along with another smart key or radio-wave-emitting device.
- 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 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 on the instrument cluster goes on, and the instrument cluster displays the message "Smart key power is low. Please replace the battery as soon as possible", the battery of the key may be exhausted.
- If the smart access and smart start systems cannot work properly due to system failures, bring all smart keys to a BYD authorized dealer or service provider for repair.

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 2 m 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 1 m away from the following devices:
 - TVs
 - PCs
 - Wireless telephone chargers
 - Electroliers
 - Fluorescent desk lamps

Child Protection Lock

Installed on the left and right rear doors, child protection locks are designed to prevent children sitting in the rear seats from opening the rear doors.

- Slide the manual lock in this direction to activate either left or right child protection lock.
- ② Slide the manual lock in this direction to deactivate either left or right child protection lock.

Set the lever to this position marked (1). Then, passengers cannot open the rear doors from inside the vehicle. To open the rear doors, use the exterior door handles.



A Note

- Before driving, especially when there are children in the car, make sure that doors are closed and the child protection lock is enabled.
- Proper use of seat belts and the child protection lock 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.

Seat Information

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

A Warning

- Do not drive until all passengers are seated properly.
- Passengers are not to ride sitting on folded seat backs, in the trunk or on luggage, under risk of severe injury in case of an accident.
- Passengers are not to stand or move around in the cabin when the vehicle is in motion, under risk of serious injury in case of collision.

A Note

Drivers must adjust the seat, steering wheel and dashboard panel control so that they have easy access and control of pedals, steering and controls.

🕖 Tip

- Drivers are not to make any adjustment of the seat or steering wheel while the vehicle is in motion, under risk of vehicle control impairment.
- When adjusting the seat, make sure there is ample room for the seat to move without obtrusion
- After manually adjusting the seat forward or backward, make sure it is locked into place.
- After adjusting the seat back, make sure it is locked into place.
- Do not place anything under the seat, as this might affect its locking mechanism and cause it to move while driving, thus impairing proper vehicle control.
- Hands are to be kept away from under the seat or its moving parts when the seat is being adjusted.

Front Seat Adjustment

Electronic Front Seat Adjustment

Electronic adjustment of front seats includes seat forward/backward, cushion up/down, and seat back angle adjustment. Depending on the actual configuration of your vehicle, the following adjustment methods are available:

- (1) Seat position adjustment switch
- Slide this switch forwards/ backwards to adjust seat distance from the dashboard.
- Pull up/push down the switch to adjust driver seat height.



(2) Seat back angle adjustment switch

Pull/push the upper end of this switch to adjust seat back angle.

A Note

When the switch is released, the seat stops at its current position. Do not place anything under the seat that may interfere with its adjustment.

Manual Front Seat Adjustment*

The manual adjustment of the front seats includes seat forward/ backward, height, and seat back angle adjustment. Use the following adjustment methods according to the functions available on your vehicle. Seat forward/backward adjusting lever

- Hold the middle of the adjusting lever and pull it up, slide the seat back/forth to the desired positon with a small body force, thend release the adjusting lever.
- After adjusting the seat forward/ backward, move the seat back and forth to check for a slide rail locking sound to verify that the seat is locked in the desired position.



Height adjustment

Pull up the height adjustment handle to adjust the seat to a comfortable height as needed. (Note: The passenger seat does not have the height adjustment mechanism.)

Pull up the handle to lift the seat and press down the handle to lower the seat.

Seat back adjustment handle

While leaning forward or backward with your back against the seat back, pull up the adjusting handle to adjust the seat back to the desired position. Then, release the handle.





Folding in Rear Seats

- Flipping and lowering the seat back
 - Pull up the seat back drawstring.
 - Push the seat back forward or backward to flip it over. Flip forward until the seat back is in contact with the seat cushion, and flip it back to the seat back locking position (a locking sound is heard).



Head Supports

Head Supports

- Lifting the head support: press the head support adjustment button, lift the head support to a proper position, and release this button after hearing a locking sound.
- Lowering the head support: press the head support adjustment button, lower the head support to a proper position, and release this button after hearing a locking sound.



3. Removing the head support:

press the head support adjustment button, remove the head support, and release this button.

4. Installing the head support:

insert the head support poles into the bushing with the grooves facing forward. Press the head support adjustment button, press the head support down to a proper position, and release this button.

Ә Тір
The head supports protect vehicle occupants from neck and other head injuries. The head support is to be adjusted so that the back of the passenger's head is in the center of the head support. This way the head support can provide maximum protection. Adjust the head support to the suitable position according to the occupant's actual height.
When adjusting head support height, align the occupant's ear tip line with the center line of the headrest.
After adjusting the head support, ensure that it is locked into position.
Do not drive the vehicle without head supports.
Do not tie anything to the head support stems.

Steering Wheel

Steering Wheel Switch Group



- 1 Panoramic view*
- 2 Screen mode
- 3 ACC
- ④ Distance+*
- (5) Lever
- 6 Distance-*
- ⑦ ICC
- (8) Call
- (9) Voice recognition

- 1 Mode
- 12 Roller
- 13 Instrument/Back
- 14 Left
- 15 Screen mode
- 16 Cruise control
- 17 Set
- 18 Lever
- 19 Reset

3

10 Right

20 Cancel

When the ignition switch is on OK, the audio control switch is available.

Buttons on the left

ACC switch*

Press this button to enable or disable the ACC system.

🔂 Tip

For instructions on how to use the cruise function, refer to descriptions for setting the crusie control and ACC systems.

+/Reset*

Press this button to activate theAdaptive Cruise Control(ACC)system and use the previous system settings.

-/Set*

Press this button to configure the current vehicle speed as the target speed for cruise control.

Distance-*

Press this button to reduce the distance by one notch when the ACC function is enabled. A total of four notches are available.

Distance+*

Press this button to increase the distance by one notch when the ACC function is enabled. A total of four notches are available.

Cancel

Press this button to change the ACC mode from active to standby.

ICC

Press this button to enable or disable the ICC function.

Screen mode

Press this button to switch between the landscape and portrait mode of the infotainment system touchscreen.

Panoramic view*

Press this button to enable/disable panoramic mode.

Buttons on the right

Roller

- 1. Infotainment system
- Turn the roller upward to increase volume.
- Turn the roller downward to decrease volume.
- Press the roller to mute.
- 2. Instrument cluster
- Turn the roller upward to select the upper level-2 or level-3 menu items in the instrument cluster menu mode.
- Turn the roller downward to select the lower level-2 or level-3 menu items in the instrument cluster menu mode.
- Press the roller:
 - To enter the next-level menu or confirm the current setting in the instrument cluster menu mode.

Left/Right button

- 1. Infotainment system
- 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 down).
 - Press the \triangleright button to select the pre-saved radio station downward.
- In universal serial bus(USB)/Bluetooth music/third-party music app mode:
 - Press the < button to play the previous track.
 - Press the < button to select a record upward on the Bluetooth call record or phone book screen.

- Press the \triangleright button to play the next track.
- Press the > button to select a record downward on the Bluetooth call record or phonebook screen.
- 2. Instrument cluster
- In instrument cluster menu mode:
 - Press the < button to switch to level-1 menu and its submenus to the left.
 - Press the button to switch to level-1 menu and its submenus to the right.

Call

- Press this button to make or receive a call. (After this button is pressed, the audio system is muted.)
- When a screen unrelated to Bluetooth is currently displayed, press this button to switch to the phone selection screen if Bluetooth is disconnected, or to the main dialing interface if Bluetooth is connected.
- After entering a phone number on the main dialing interface or selecting a record on the call history or phonebook screen, press this button to dial the number.
- When Bluetooth is connected, but no phone number is entered on the main dialing interface, press this button to switch to a dialed number on the call history screen. Press this button again, and the system automatically calls the first dialed number on the call history screen.

Voice recognition

- Press this button to switch from the infotainment system screen to the voice recognition screen.
- Press this button again to record a voice command.

Instrument/Back

In non-instrument cluster menu mode, press this button to display the instrument cluster menu.

- In instrument cluster menu mode, press this button to return to the upper-level screen, or to exit the menu if there is no upper-level screen.
- On the Bluetooth call screen, press this button to end the call.

Mode

- Selecting a mode: Press this button to switch among the multimedia app, 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 this button to honk the horn.

A Note

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

🔂 Tip

Observe the traffic laws and use the horn reasonably.

Steering Wheel Manual Adjustment

To adjust steering wheel angle:

Press the steering wheel adjustment handle, move the steering wheel to the desired angle, or adjust it to the desired axial position, and restore the handle to the locked position.



A Warning

- Never adjust the steering wheel while driving, under risk of impaired vehicle control.
- After adjusting the steering wheel, make sure it is securely locked.

Power-Assisted Steering Mode Settings

- Steering feel and requirements vary from person to person.
- Tap on ⇒ Vehicle Settings → Driving Comfort Adjustment on the center console touchscreen to go to the Steering Assist screen, and select the Comfort or Sport mode.

🛿 Tip

If steering feels light when driving at high speeds, set the powerassisted steering mode to the Sport mode.

Light Switches

Rotate the rotary knob to turn off all lights except DRLs.



Auto light

When the rotary knob is rotated to **C**, BCM collects the luminance value from the light intensity sensor to automatically turn on or off small lights and low beam.



A Note

The light intensity sensor is located at the top of the dashboard panel. Do not block the sensor or let anything splash on it.

Small lights

Rotate the knob to ≥ 0 to turn on small lights. (They include the daytime running lights, rear sidelights, rear license plate lamp, instrument cluster background light, small light indicator and some backlights.)



Low beam

Rotate the knob to $\equiv D$ to turn on low beam.



Rear fog lamps

Rotate the knob to \mathbf{D} and fog lamp switch to \mathbf{P} to turn on fog lamps.



High beam

Rotate the knob to **D** and push the light handle of the combination switch from the normal position forward (away from the steering wheel). After the handle is restored to the initial position, high beam is activated and the high beam indicator lights up on the cluster. Pull back the light handle, turn off low beam, or exit OK status to deactivate high beam.



Overtaking lamp

Pull back the light handle towards the steering wheel to activate the overtaking lamp. Release it to deactivate.



Turning lights

- Push up the light handle to signal right turn.
- Pull down the handle to signal left turn.



Once turned on, the turning light remain flashing even after the handle is released and automatically goes off after the turn is made. In some extreme conditions, the driver may need to rotate the handle by a circle in order for the light to deactivate, depending on the operation habit of the driver.

Auto light off

- Conditions for enabling the auto light off function: When the light button on the multifunctional switch is toggled to " = 00= " or " = 0 - ", the power supply is switched from "Start" to "Stop" status, and this function is enabled.
- With auto light off enabled, when the driver's door is closed, headlights and small lights go off after 10 seconds.
- With auto light off enabled, when the driver's door is opened, headlights and small lights go on for 10 minutes.
- If the light status is changed when the auto light off function is activated, the lights will come on in the new status. If the conditions for auto light off are still met, this function will be activated again.

- Disabling of auto light off function: When the vehicle is powered on, the auto light off function will be disabled, and the light knob can be operated normally.
- When the auto light off function turns off the lights, and the anti-theft mode is active, deactivating the anti-theft function will turn on the light again. If the driver's door is closed, the auto light off function will turn off the lights 10 seconds later. But if the door is open, it will turn off the light 10 minutes later.
- Go-home lighting delay:
 - Owners can set the go-home lighting delay time on the touchscreen (10 seconds by default). After pulling the light handle of the combination switch to " I C ", " :00; ", or " I D ", when the vehicle is powered off and the doors are locked, the lights keep on for 10 seconds (or the set time) to provide a lighting source.
- Leave-home lighting delay:
 - Owners can set the leave-home lighting delay time on the touchscreen (10 seconds by default). After pulling the light handle of the combination switch to " C
 C
 C
 T, " C
 T, when the doors are unlocked to approach the vehicle, the lights keep on for 10 seconds (or the set time) to provide a lighting source.

Wiper Switch

Front Windshield Wipers and Washer

- The lever is used to control the windshield wipers and washer. The lever has five modes:
 - 🔶 : High-speed

 - 🔹 🐺 : Intermittent mode
 - 🔹 🗌 : Stop
- To select a mode, push up or pull down the lever.
- At low- and high- speed modes, the wiper operates continuously.
- The 〒 INT knob determines the frequency at which the intermittent mode wipes.



Front windshield washer 🗇



1. The front windshield washer spray and wiper are activated when the stick is pulled back towards the steering wheel.

2. The washer spray will stop when the stick is released, or when it is held for over 10 seconds. The wipers will operate once or twice further after the spray has stopped, and once more after 5 seconds to remove excess water.



Rear Windshield Wiper and Washer

Rotate the wiper knob to the iposition to start the rear windshield wiper. Rotate the wiper knob to the position or open the trunk to stop the wiper.







When the knob is rotated to the is position and released, the wiper operates once or twice further after the spray has stopped.



Link between rear wiper and trunk

The wiper/washer won't work with the trunk opened and the vehicle powered on. If the wiper is working and the trunk is opened, it will stop and resume operation 5 seconds after the trunk is closed. If the front wiper is operating and the gear is shifted to "R", the rear wiper will be automatically activated.

🛕 Note

Do not operate the washer for over 10 seconds, or when the washer fluid tank is empty, as those may cause motor overheating or damage.

🕖 Tip

- Clean the wipers regularly.
- Avoid using the wipers just as it starts raining. Accumulated dust on the windshield will impair visibility and the proper functioning of the wipers. Do let some rainfall wash some of the dust off before using the wipers.
- Fill the washer tank with suitable washer fluid. Plain water or other types of detergent may damage the washer motor.

Front Left Door Switch Group

Electric Windows

- When ignition status is on OK, the window control switch can be used to roll windows up or down. The switches do not work when ignition status is OFF.
- There are control switches for all 4 windows on the driver's door.
 - Press the switch to roll down.
 - Pull the switch to roll up.
- While using the switch, release it to stop window halfway.



- To roll the window all the way down, press the switch to the second notch and release.
- To roll the window all the way up, pull the switch to the second notch and release.
- Press or pull the switch to stop its motion.

Delay function*

- Windows can be rolled up or down up to 10 minutes after the vehicle is powered off and no front door has been opened.
- If a front door is opened, the window switches won't work.

Smart window control function*

Smart Key: this function can be enabled in the infotainment system (for details, see the infotainment settings). When the remote control key unlock button is pressed and held, the windows will roll down automatically. When the lock button is pressed and held, the windows will roll up automatically. If the button is released while windows are in motion, they will stop.

- Microswitch: this function can be enabled in the infotainment system (for details, see the infotainment settings). When the microswitch is pressed and held while carrying the smart key, the windows will roll down automatically. When the the microswitch is pressed and held again, the windows will roll up automatically. If the microswitch is released while windows are in motion, they will stop.
- If functions are disabled in the infotainment system (for details, see the infotainment settings), and when the switch status is OFF, all windows will roll up when the vehicle is locked.

A Warning

Be mindful of obstructions when the windows are rolling up, specially hands and fingers.

Anti-Pinch Function

Anti-Pinch function

If there is an obstacle to the window when it is rolling up, it will stop and roll down automatically.

Enabling anti-pinch function

- If the 12 V battery is disconnected while a window is being rolled up or down, the automatic roll-up and anti-pinch functions of windows do not take effect.
- Close the window, release the switch, then operate the switch and hold it for at least 3 seconds.

A Warning

To avoid serious injury or even death, observe the following precautions when closing the windows:

- When controlling the windows, make sure no body part is obstructing the motion.
- Never allow children to use the electric window switches.

A Note

- Frequent initialization of the anti-pinch function will trigger the thermal protection function of the elevator motor.
- Never activate the anti-pinch function with a body part.
- The anti-pinch function may fail right before the window is fully close.
- When the auto raise and anti-pinch functions do not work, contact a BYD authorized dealer or service provider.

Window Lock Button*

- When this button is pressed, the driver's door switches can be used to roll all windows up or down, the front passenger's door switch will work normally, but the rear door switches will be disabled.
- When this button is pressed again, the indicator goes off and the rear door switches can be used normally.



Center Console Door Lock

The driver's door is equipped with an electric door lock. These two buttons can be used to lock/unlock all doors.

① Locking

When the center console lock button is pressed, all doors are locked and the red lock indicator lights up.

② Unlocking

When the center console lock unbutton is pressed, all doors are unlocked and the red lock indicator goes off.

All doors are automatically unlocked when the vehicle suffers a strong impact.

Odometer Toggle Switch

- Press the odometer toggle switch to select Total Mileage, Mileage 1, and Mileage 2. The odometer displays the switching status accordingly.
- Press this switch to reset mileages 1 and 2.





Driver Assistance Switch Group

The center console also features a Park Assist switch*, BSD switch*, and AVH switch*.

① Park Assist switch

This switch enables the Park Assist function. (For details, see "Park Assist Power Switch")



② BSD Switch*

This switch enables the BSD function. (For details, see "Blind Spot Detection System Setup*")

③ AVH switch*

This switch enables the AVH function. (For details, see "AVH switch")

Window Control Switch on Passenger Side

When the ignition status is on OK, the window control switch on the passenger side can be used to roll windows up or down.



Hazard Warning Light Switch

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



A Note

The emergency warning lights are used to alert drivers and pedestrians of possible risks.

Mode Switch Group

These switches enable drivers to select different regenerative braking, snow, and ECO, SPORT or NORMAL modes.

- 1 Regenerative braking mode
- The default setting is the standard regenerative braking mode.
- Push up this switch to increase regenerative braking.
- ② Snow mode switch



- The vehicle will be exclusively on snow mode when this button is pressed.
 - This mode is recommended when the vehicle is being driven through roads covered in slippery materials such as grass, snow, ice, or gravel.

 In snow mode, traction and control features are optimized, and the accelerator pedal is selected with caution.

③ MODE switch

- The default setting is ECO mode.
- Move this switch up or down to select ECO, SPORT or NORMAL modes.
- Ecology, conservation, optimization (ECO): moderate power, comfortable driving, optimized energy efficiency.
- Normal (NORMAL): proper balance between power and energy efficiency.
- Sport (SPORT): improved power performance. If battery SOC is too low and vehicle temperature is too high or low, acceleration performance may be lower.

🔂 Tip

- When the driver switches modes and releases the accelerator pedal, the vehicle's power output characteristics change according to the driver's needs. Make sure to drive safely.
- All modes have a power-off memory function. The vehicle will be in the same mode as it was when it was powered off.

A Note

In soft snow conditions, if motor performance is worsened due to the dynamic stability control being activated, turning off the ESC system may be useful. ESC must be activated again after conditions are back to normal.

Sunroof Switch

Panoramic Sunroof

The sunroof can only be operated under OK ignition status or when the power-off delay has not expired.

Opening the sunroof

- Press and hold the sunroof open button (1) to open the sunroof. The sunroof stops if the button is released.
- If the sunroof has been initialized, press the sunroof opening button (1) and release it: the sunroof will tilt upward for ventilation. Press again, and the sunroof will automatically open by about 80%. Press one more time, and the sunroof will fully open. If button (1) or (2) is pressed when the sunroof is opening, the sunroof will stop at its current position.

Closing the sunroof

- Press and hold the sunroof close button (2) to close the sunroof. The sunroof stops if the button is released.
- If the sunroof has been initialized, touch the closing button (2) and release it, and the sunroof will close automatically. If button (1) or (2) is pressed when the sunroof is closing, the sunroof will stop at its current position.

Opening/Closing Sunshade

Opening the sunshade



3

- Press and hold the sunshade open button ① to open the sunshade manually. Release the button midway to stop the sunshade.
- Release the sunshade open button ① immediately after pressing it. The sunshade opens automatically. For the sunshade to stop, press the ① or ② button midway.



Closing the sunshade

- Press and hold the sunshade close button ① to close the sunshade manually. Release the button midway to stop the sunshade at its current position.
- If the sunshade has been initialized, releasing the sunshade close button ② immediately after touching it closes the sunshade automatically. For the sunshade to stop at its current position, touch the ① or button ② midway.

🔂 Tip

When the sunroof is not fully closed, the sunshade position will never be further than that of the sunroof.

Sunshade linkage function

While the sunroof is opening, the sunshade opens together with it.

Sunroof Anti-pinch

If the sunroof or sunshade closing process is obstructed by anything, it will stop and slightly retract.

A Warning

Keep clear of the sunroof when it is opening or closing.

A Warning

Passengers must refrain from sticking hands or their heads out through the sunroof.

A Note

■ Trying to open the sunroof in outside temperatures below 0°C or when it is covered in snow or frost may damage the sunroof or its motor.

Initialization

- When ignition status is on OK:
- Press the close button once to fully close the sunroof/sunshade.
- If the sunroof/sunshade does not close fully, calibrate manually. Press and hold the sunroof/sunshade close button, and release it when the sunroof/sunshade stops moving. Hold the button again for at least 7 seconds, and release it until the sunroof/sunshade is fully closed and a click sound is heard.
- Initialize the sunroof and sunshade separately

Interior Light Switch

Front Interior Lights

Left interior light button Right interior light button



Press the interior light buttons to turn on left/right interior lights. Press again to turn them off.

Left/Right Rear Interior Light Switches*

- When the ignition status is on OK, press these buttons to turn on the left/right interior lights in the rear cabin.
- Press again to turn them off.



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Charging Instructions

- The charging equipment is a high-voltage electrical device. Minors are prohibited to charge or touch the charging equipment. In addition, keep minors away from the vehicle when 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 fine or heat sources.
 - Protect the charging equipment against water contact on rainy days.
- Before charging:
 - Make sure that power supply equipment, charging connector, charge port, and charging connection device 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 charging connector's or port's plug, socket or metal terminals are loose or damaged by rust or corrosion.
 - When the charging connector, port, power plug or socket 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.
 - Do not modify, disassemble or repair the charging equipment and related ports to avoid charging failure or fire.
 - Do not use charging equipment that does not meet safety standards or has potential safety hazards. Do not allow children to use the charging equipment and keep animals away from the vehicle while charging.
- Make sure your hands are properly dry before charging.
- If anything abnormal is found in the vehicle or charging equipment when charging, stop immediately and contact a BYD authorized dealer or service provider.

- Always observe the following precautions when charging 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 during a thunderstorm, which is 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, make sure that the charging equipment is disconnected from the charging port.

Compatibility of Vehicle and Charging Infrastructure (EU Standard)

The signs are located on the vehicle's charging socket, components of the local charging infrastructure (charging station, socket) and on the charging cable.

The signs refer to standardized charging systems in accordance with DIN EN 62196.

Charging Precautions

- When theState of Charge (SOC) indicator on the instrument cluster reaches the red warning bar, the SOC is insufficient. Charge immediately. Charging the vehicle after its power is completely exhausted may affect the power battery service life.
- Household AC charging means charging with an AC charging connector supplied with the vehicle. Dedicated AC lines and power outlets that meet local standards are recommended. The purpose of using a dedicated line is to protect the line from tripping due to line breakage or due to high-power power battery charging. Using a line other than dedicated lines may affect proper operation of other devices on the line.

- To avoid damage to the charging device (precautions for the charging device):
 - Do not impact the charging device, and prevent mechanical damage due to drops and collisions by external force, etc.
 - Do not place the charging device near a heater or other heat sources.
- Inserting the charging connector 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 with one hand, align the connector with the port and push it in, making sure that they are properly connected.
- Removing the charging connector at the end of charging:
 - Stop charging first and make sure the charge port is unlocked.
 - Pull the connector with one hand.
 - Do not force the charging connector out while the charge port is locked, otherwise the charge port may be damaged.
- The vehicle can be powered on to use the A/C while charging. However, this is not recommended.
- The vehicle should be parked in a ventilated area, and there should not be any occupant inside when charging.
- The vehicle system automatically stops charging when the power battery is fully charged. Since the charge port is equipped with an electronic lock, unlock the charge port before unplugging the charging device.
- To stop DC charging, turn off the charging machine before disconnecting the charging connector. To stop charging with household portable AC power, disconnect the charging connector from the vehicle and then the power plug from the power source.
- When charging is complete and the connector removed, make sure the port cap is reinserted and port hatch closed.
- Before starting the vehicle, check that the charging equipment has been disconnected. The charging equipment locking mechanism can

be triggered when the charging connector is not properly inserted. If the vehicle is started at this time, the charging equipment and the vehicle may be damaged.

- Battery temperatures that are too low or too high can compromised vehicle charging performance.
 - When the battery is charged at low temperatures, the temperature control system can improve the battery's low-temperature charging capacity. It is normal that a limitation in the charging pile output capacity prolongs charging and heating time, and increases heating power consumption.
 - For faster low-temperature DC charging, it is recommended to charge the vehicle with low SOC, because when the vehicle has high SOC and the temperature is low, the charging current is small due to low battery temperatures.
 - To improve your experience, it is recommended that you charge the vehicle immediately after using it, as the battery is relatively hot and has better charging performance.
- A/C turned on during low temperature charging can affect the performance of battery temperature control system and charging performance.
- When the battery temperature control system is working during charging, the charging power displayed on the instrument cluster or infotainment system may fluctuate temporarily.
- Before the charging is complete, for longer battery life, battery equalization is activated and thus the charging time may be longer.
- The use of A/C may worsen battery temperature control system performance in DC charging at high temperatures, resulting in lower charging performance and longer charging time. To ensure charging efficiency, it is recommended to keep the A/C off during charging.
- When the heating or cooling function is enabled during charging, it is normal that both charging time and power consumption increase slightly.
- To ensure optimum battery temperature, the battery cooling system may continue working after charging is complete.
- 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. Before charging is completed, "Calculating..." is displayed on the instrument cluster.
- If the vehicle will not be used for longer periods of time afterwards, make sure to fully charge its power battery before use. In case of idle periods, it is recommended to charge the battery every three months in order to prolong its service life.

🔂 Tip

- Do not open the charge port hatch forcibly when it is locked.
- Do not forcibly insert the charging connector with the electrical lock locked.
- When the charge port cap is fully open, do not close the charge port hatch.
- When the vehicle is charged with an external power supply, it is normal that the cooling fan and A/C compressor may operate automatically in order for the power battery to heat up or cool down.

General Charging Faults and Solutions

Fault	Possible Cause	Solution
Charger is connected, charge starts, but battery will not charge.	Charging card in arrears or faulty charg- ing pile.	Consult card balance or contact charging station staff.
	AC charging connector not properly plugged in.	Ensure the charger switch has come up. Check cable length and connection position.
	Low 12 V battery SOC	Connect the vehicle to another 12 V battery to charge its own 12 V batteries after powering on.
	The local standard socket has no power supply.	Ensure the power supply is under overload protection. Use the corresponding charging

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Fault	Possible Cause	Solution
		power supply, i.e., standard 220 V 50 Hz 10 A single-phase two-pole grounded socket.
	Vehicle or AC charging connector failure	Check for power system fault/failure warning light or message on the instrument cluster. If found, stop charging and contact a BYD authorized dealer or service provider.
	Power battery temper- ature above or below specification	Warm up or cool down the power battery.
	The power battery has been fully charged.	Charging automatically stops when the power battery is fully charged.
Charging stops halfway.	The charging cable is not properly connected.	Ensure the charging connecting device is properly connected.
	AC supply is interrupt- ed.	Charging will restart automatically a while after AC supply returns to normal. If it doesn't, reinsert the charging connector.
	Power battery tempera- ture is too high.	A power battery overheating warning is displayed on the instrument cluster. Charg- ing stops automatically and restarts after the battery has cooled down.
	Charging pile failure.	If the vehicle or charging pile displays a failure message, contact a BYD authorized dealer or service provider.

Charging Method

- Before charging:
 - Check charging equipment and port for cracks, wear, rust or obstructions.
 - Make sure connection is tight.
 - Make sure the port is clear of fluids or dirt, and its metal terminals are not rusty or corroded.
- In any of these cases, do not charge, under risk of short circuit or electric shock.



Charging port configuration 1

Charging port configuration 2



Household Portable AC Charging

1. Device description

- 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 effect the normal use of other devices.
- This (Mode 2) equipment 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 or infotainment system.

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A Note

- Contact a BYD authorized dealer or service provider, or a BYD authorized technician, to select the appropriate power supply according to the charging equipment requirements.
- The equipment must be properly grounded. In the event of failure or damage to the charging equipment, the grounding cable provides a minimum impedance to circuit discharge and thereby reducing the risk of electric shock.
- The power plug must match a properly installed and grounded power outlet that meets safety standards.

🔁 Tip

- When charging, the charging cable cannot be placed in a spiral, as this will affect heat dissipation.
- For specific charging precautions, refer to the charging instructions.

A Warning

- For specific charging safety warnings please refer to the charging instructions.
- Maximum ambient temperature: 50°C; store the product in a cool and dry place when not in use.
- When charging, do not place the device in the trunk, under the front of the car or near the tires.
- When using it, avoid it getting rolled over by the vehicle, dropped, or trampled on.
- Never drop the device. Never move it by pulling it directly by its cable. When moving the device, it needs to be handled with care.
- Do not modify, disassemble, or repair the charging equipment and related ports.
- It is not recommended to use any additional wire or adapter/ connector. If an additional adapter is really needed, select a suitable wire diameter (≥1.5 flat wire), and the adapter/connector parameters must meet the requirements.

A Warning

- Never use the charging equipment if the household power supply strip cable becomes soft, the charging connector cable is worn out, the insulation layer is cracked, or in case of any other damage.
- Never use the equipment when the charging connector, power plug, or power supply strip is disconnected, broken, or any sign of surface damage.
- In order to prevent port hatch wear, do not repeatedly open and close it.

2. Charging

- Power off the vehicle.
- With the doors unlocked, press the charge port hatch to open.



Open the charge port cap and the protective cover of the charging connector. Make sure the connector plug and the end of the vehicle's charging socket are not obstructed in any way.



- Connect the power supply terminal:
 - Insert the power plug of Mode 2 equipment into a household socket.
- Connect the vehicle port:
 - Insert the charging connector into the vehicle socket.

4

• After the charging connector inserted, the charging connection indicator on the instrument cluster or infotainment screen lights up.

A Note		
Do not forcibly insert the connector with the electric lock engaged.		
Charging parameters and changes will be displayed on the cluster while charging is taking place.		
At this point, scheduled charging can be set up through Infotainment → 'New Energy' → 'Charge Settings' interface.		
The instrument cluster indicates the estimated remaining time to full charge while charging is taking place. Depending on temperature, SOC, and charging facilities, the remaining time to full charge may vary slightly.		
When the battery is low, the scheduled charging function cannot be used.		
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.
- Disconnect the charge port:
 - Press the unlock button on the smart key or press the door handle microswitch while carrying the smart key and pull out the charging connector.

🕖 Tip

- To unlock the vehicle, press the key unlock button (OFF when charging) or the door handle microswitch while carrying the smart key.
- When anti-theft is enabled, unlock the vehicle before pulling out the charging connector to disable the charging port electric lock. The connector has to be pulled out within 30 seconds, or the port will re-lock.

🔂 Tip

- The electric lock mode can be set in → New Energy →Charge Settings. For setup procedure details, see Electric Lock Control of Charge Port.
- If the charging connector cannot be removed after unlocking, try a few more unlocking attempts. If that does not work, try emergency unlocking. Refer to Charge Port Emergency Unlocking in Electric Lock Control of Charge Port.
- Disconnect the power plug.
- Close the charge port cap and the port hatch.
- Store the charging equipment properly.



🔂 Tip

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

A Warning

Never drop the Mode 2 equipment. Never move it by pulling it directly by its cable. When moving the device, it needs to be handled with care. Never move it by pulling it directly by its cable.

AC Charging Pile Charging*

1. Equipment description

Single-phase AC charging box*

4

- Use a certified household charging box. For details, refer to the instruction manual and follow the operating steps.
- Single-phase AC charging box: this equipment includes a charging box, a connector and a connecting cable. For information on circuit breaker and emergency stop switch, refer to the charging box instruction manual.
- Single-phase AC charging pile
 - Use AC charging piles in public places to charge the vehicle.
 - Charging time:refer to the message on the instrument cluster or infotainment system.

2. Charging operation

- Unlock the vehicle and open the charge port hatch:
 - Open as per the instructions for household portable AC charging equipment.
- Connect to vehicle port:
 - Plug the equipment's charging connector into the port and lock it.
- Setting:
 - For AC charging pile/box subject to authentication, swipe the card or scan the QR code. For details, see the instruction manual for charging pile/box.
- The connection indicator ^c on the instrument cluster lights up.
- During the charging process, the instrument cluster displays relevant charging parameters and the charging sign.
 - At this time, scheduled charging can be set through the infotainment system.

3. Stopping charging

- Stopping charging:
 - Charging stops automatically when the battery is fully charged, or when it is interrupted by the user.
- Disconnecting charging connector:
 - Disconnect the connector by following the instructions of the household portable AC charging equipment.

- Close the AC charge port hatch (see the portable AC charging process).
- Store the equipment properly.
 - After the AC charging pile/box is used, place the connector back in its designated position.

Charging with DC Charging Stations

1. Device description

- Use the DC battery charger in public places to charge the vehicle. Generally, it is installed in 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 system.

2. Charging

DC charging is achieved by connecting the vehicle to a DC charger via its connector.

- Unlock the charge port hatch, then open the port hatch and the port cap.
- Connect the vehicle port:
 - Plug the connector into the port, making sure it is tight.
- Follow the instructions for the charging device to start charging.



- The charging connection indicator on the instrument cluster lights up.
- During charging, the instrument cluster or the infotainment system displays relevant charging parameters and the charging sign.
- 3. Stopping charging

- End the charging:
 - Charging ends automatically when early stop set for the charger is due or the charging is complete.
 - Press the unlock button twice within 3 seconds or press the microswitch on the door handle. The vehicle stops charging.
- Disconnect the charge port:
 - Press the unlock button on the smark or press the door handle microswitch while carrying the smart key and pull out the charging connector.
- Place the charging connector in its designated position.
- Close the DC charge port cap and the port hatch.

🕖 Tip

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

A Note

- If the charging connector cannot be removed after unlocking, try a few more unlocking attempts. If that does not work, try emergency unlocking. Refer to Charge Port Emergency Unlocking in Electric Lock Control of Charge Port.
- To unlock during DC charging, press the unlock button twice within 3 seconds for the operation to be successful.
- For specific charging precautions, refer to the charging instructions.

A Warning

■ For specific charging safety warnings, refer to the charging instructions.

Smart Charging Function

When the manager detects that the low voltage battery capacity is low, it can be charged by the power battery, so it is normal that the SOC and driving range displayed decrease when the vehicle is powered on after an idle period.

🔁 Tip

- When the vehicle lies idle for long periods, it is normal that smart charging takes place.
- Power for smart charging comes from the power battery pack, so it is normal that an SOC decrease is noticed when the vehicle is powered on.

Discharging Device*

This vehicle features a vehicle to load (VTOL) function.

🔂 Tip

- This function is recommended to be used only when SOC is high.
- This function will be limited when the vehicle is using external discharge or when power is low.
- When ignition status is OFF and VTOL is connected without output for a long time, the vehicle's static power consumption increases. It is recommended that the discharging/charging connectors are removed when the device is not in use.

A Note

For precautions on the use of discharge connection devices, refer to article 3 of charging precautions, charging precautions for charging equipment.

A Note

- Before discharging, confirm the vehicle's power and estimate the remaining driving range.
- Before VTOL discharging, ensure that the load is turned off.

A Warning

- When discharging, do not touch the discharge power strip, in-car discharge socket, or the metal end of the vehicle's charging port.
- If anything unusual is noticed during discharge, such as smoke or smell, stop it immediately.
- Discharging safety warnings are the same as charging safety warnings (refer to charging instructions).
- Store the product in a cool dry place when not in use.
- When discharging, do not place the device in the trunk, under the front of the car or near the tires.
- When using it, avoid it getting rolled over by the vehicle, dropped, or trampled on.
- Never drop the device. Never move it by pulling it directly by its cable. When moving the device, it needs to be handled with care.
- Never use the discharging equipment if the power supply strip cable becomes soft, the discharging nozzle cable is worn out, the insulation layer is cracked, or in case of any other damage.
- Never use the equipment when the discharging connector or power supply strip is disconnected, broken, or there is any sign of surface damage.

External Discharging Method*

Discharging

- Before discharging, turn off the anti-theft mode of the vehicle.
- Unlock the charge port hatch switch, then open the port hatch and the port cap.

- Check before discharging:
 - Ensure that the battery capacity of the vehicle to be discharged is not below 15%.
 - Ensure that VTOL connection device is free of abnormalities such as broken housing, rusted plug, or foreign materials.
 - Ensure that there is no water or foreign material inside the charging port and that metal terminals are not damaged and free from rust or corrosion.
 - Do not discharge if any of the above conditions is found; otherwise, short circuit or electric shock so caused could lead to personal injury.
- Connect the discharge connection device:
 - Connect the VTOL discharge device to the charging 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.

Stopping discharging

- Stop discharging:
 - Disconnect the load.
- Disconnect the discharge connection device:
 - Unplug the discharging device.
 - Close the port cap and the port hatch (refer to Household Portable AC Charging*).
- Organize the device:
 - Store the device properly when discharging is complete.

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Electric Lock Control of Charge Port

The vehicle's charging port features an anti-theft function durina the charging and discharging process. This function is disabled by default. To enable go to the charging it. port lock setting interface by tapping on \Rightarrow **New energy** \rightarrow **Charge** Settings and tap on Enable to turn on the anti-theft function.



- After it is enabled, users can unlock and pull out the charging connector as follows:
 - When it is OFF, press the smart key unlock button to unlock it;
 - Press the door handle microswitch to unlock;
 - Press the center console lock below the window inside the driver's door to unlock it.

A Note

After unlocking the charging connector, it can be pulled out within 30 seconds. After 30 seconds, it will lock again.

Charge Port Emergency Unlocking

When the electric lock fails and the charging connector cannot be pulled out, the lock can be manually unlocked by pulling out the charging connector. Open the hood and find the inhaul cable, and pull it to unlock the charging connector.



Driving Range Display*

- To improve driving experience, the vehicle features a function to select the "Driving Range Display Mode", which is "Standard" by default.
- - Standard mode: The driving range is displayed based on the result of the comprehensive working condition test.
 - Dynamic mode: The estimated driving range is displayed based on the available battery power and current average power consumption.
- The set driving range display mode will be memorized by the system.
 - When the vehicle is powered off and then on, the display mode set last time will be maintained.

🕑 Tip

- When the "Dynamic" driving range display mode is set:
 - The range displayed when the battery is fully charged varies based on the energy consumption of the previous trip.
 - The driving range actually displayed will be adjusted based on the state of the vehicle's air conditioner, the driving mode (ECO, NORMAL, SPORT, etc.) selected, and the driver's driving habits, so as to match the vehicle's actual driving range.

Energy Regeneration Settings

- During the driving, energy is recovered through regenerative brakes when the vehicle decelerates. For higher efficiency, do not accelerate or decelerate the vehicle unnecessarily.
- The energy regeneration intensity can be set with the regenerative mode button or the multimedia system.
 - Standard: When the accelerator pedal is released, the motor controller recovers energy in the standard level, and the vehicle deceleration is in the standard level.
 - High: When the accelerator pedal is released, the motor controller recovers more energy, and the vehicle deceleration is high.
- The corresponding settings can be made in $\blacksquare \rightarrow$ New Energy \rightarrow Energy Management \rightarrow Energy Regeneration Mode.
- Select the regeneration intensity based on the deceleration sense when releasing the accelerator pedal. Different deceleration senses deliver different driving experiences.
- The set energy regeneration intensity will be memorized. When the vehicle is powered off and then on, the regenerative braking mode set last time will be maintained.

🔂 Tip

Do not set the regeneration intensity when driving the vehicle in high speed, as the driver may be distracted.

The power of the whole vehicle is weaker at low battery level than that at high battery level.

Power Battery

- The vehicle is powered by the power battery. It can be repeatedly charged and discharged. The power battery is charged by external power sources or through energy recovery when the vehicle is breaks or coasts.
- The power battery is located at the bottom of the vehicle, so be careful when driving on uneven or flooded roads.

Battery Properties

- It is normal that vehicle performance is affected by battery electrochemical properties and self-protection. Performance varies in the following conditions:
 - When SOC is high, regenerative braking may decline.
 - Charging switches to trickle mode when SOC is high. If charging time is prolonged, the estimated remaining charging time displayed on the cluster will be different.
 - When SOC is low, acceleration performance may decline.
 - When SOC is low, VTOL* cannot be used. Charge the battery timely.
 - In high or low temperatures, it's normal that the power battery's charging and discharging capabilities decline, and charging time is prolonged. Charging with high-power equipment is recommended to speed up the process. Power performance may also decline under extreme temperatures.
 - When charging in low temperatures, the temperature control system can significantly improve charging capability. For details, see Charging Precautions.
 - When the vehicle is used in low temperatures, the battery's temperature control system will start heating the battery to ensure its power and discharging performance and improve driving experience. When the vehicle is driver short distances, there might

be invalid heating, increased power consumption and decreased driving range.

- When the power battery is normal, the driving range of the vehicle varies according to the following:
 - Driving habit: e.g. frequent acceleration/deceleration instead of uniform speed, or the range is shorter when driving at high speeds than when at low speeds.
 - Road conditions: e.g. range is shorter when driving in rough conditions or on long slopes than when driving in normal conditions and even roads.
 - Temperature: the driving range in low temperatures is shorter than in high temperatures.
 - Electric equipment conditions: e.g. the range driven with A/C on is shorter than that with A/C off.
 - Power battery output is lower in cold weather, and the power available will decrease along with temperature decrease. If the vehicle with high battery level is charged in low temperatures, the SOC may quickly jump to 100%.

Battery Usage Tips

- The vehicle can be driven in temperatures between -10°C to 40°C. When SOC is low, timely charge the vehicle to ensure enough driving range and better acceleration performance.
- To ensure long term performance, avoid driving in extreme temperatures for over 24 hours.
- When temperatures drop, the vehicle can be parked in places where temperatures are higher, such as underground or heated parking areas, to reduce heat loss and ensure vehicle performance.
- Frequent sudden acceleration/deceleration should be avoided. A/C use increases power consumption and reduces driving range.
- Low-power charging contributes to power battery service life.

- When the vehicle is used for the first time or after a long idle period, the SOC displayed on the cluster may not be correct. Fully charging the vehicle is recommended.
- Fully charging the vehicle is recommended at a regular basis (at least once a week), and fully charge it from a low battery (<10% SOC) once every three to six months.
- Under extreme working conditions (such as frequent sudden acceleration/deceleration) that cause battery overheating, if the power battery has an over high temperature, it's normal that its discharging capability will gradually decrease. If the battery temperature keeps rising, the fault light on the cluster will light up. At this time, it is recommended to contact a BYD authorized dealer or service provider.
- When battery SOC increases or decreases abnormally, contact a BYD authorized dealer or service provider.

A Warning

In the event of an emergency or dangerous accident, pay attention to the following:

- Do not touch the power battery under any circumstance.
- Contact a BYD authorized dealer or service provider as soon as possible.
- If the power 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 the dedicated fire extinguisher to extinguish it. Do not use a water-based fire extinguisher.

A Note

- To ensure the safety of the power battery, the vehicle should be parked away from flammable and explosive items, and away from fire sources and all kinds of dangerous chemicals.
- Battery capacity will gradually decrease with time and usage.

4

A Note

- Prolonged exposure to heat sources and direct sunlight will reduce power battery service life.
- If the vehicle is going to be idle for over 7 days, it is recommended to keep the SOC at 40 - 60%, as this will prolong battery service life. If the battery is not used for over 3 months, it must be fully charged every 3 months and then discharged to 40 - 60%. Failure to do so may cause the power battery to over-discharge, reducing its performance or even damaging it. Damage resulting from this will not be warranted.
- The power battery is located at the bottom of the car. Drive carefully in rough terrains.
- If the battery suffers an impact, it is recommended to promptly contact a BYD authorized dealer or service provider for inspection and repair.

Power Battery Recycling

How to scrap an NEV:

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

A Warning

New energy car owners have the responsibility and obligation to hand over waste power batteries to the recycling service outlet. Those who hand over waste power batteries to other organizations or individuals for dismantling or disassembly without authorization, thus causing environmental pollution or accidents, shall bear the corresponding responsibilities.

Low-Voltage Battery (12 V)

Open the hood to find the 2 poles of the lead acid storage battery, i.e. positive terminal ("+") and negative terminal ("-").

- In order to avoid lead-acid battery low voltage, the "Smart Charging" function is triggered automatically when: vehicle power supply is "OFF", the power battery is allowed to discharge, and the lead-acid battery level is below a specified value.
- If the battery voltage is very low, it may not be able to power on the vehicle. In this case, contact the BYD authorized dealer or service provider.
- Check the conditions of the lead-acid battery once a month, including corrosion of its poles. If the poles are corroded, disconnect the negative terminal and pour soda water on it. 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 overtighten it. Tighten just so that the battery is fixed in place. Overtightening will damage the battery box.

🔂 Tip

- It is normal that when ignition status is OFF during smart charging, there will be a noise similar to that of OK status.
- Do not carry out maintenance work during smart charge.
- 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.

A Note

When checking the lead-acid battery, remove the ground cable from the negative terminal (-) first, and reconnect it last.

A Note

When cleaning the lead-acid battery, make sure to avoid any fluid getting inside.

A Warning

- Lead-acid batteries contain a corrosive solution. To prevent damage to the battery or injury, do not disassemble or repair the battery without authorization.
- Do not disassemble or dismantle lead-acid batteries. Any organization or individual to do so shall bear the responsibility for environmental pollution or accidents.
- Lead-acid batteries produce explosive hydrogen gas. When using tools, do not let sparks come into contact with the battery. Do not smoke or use open flames near the lead-acid battery.
- Prevent battery fluid from coming into contact with eyes, skin and clothing. In case that happens, use baking soda water to clean the skin, and plenty of water to rinse the eyes, and immediately seek medical attention.
- Avoid mouth contact with the battery fluid.
- Keep children away from lead-acid storage batteries.

Break-in Period

- If the power assembly is hard to start or frequently stops running, check the vehicle immediately.
- If the power assembly makes any abnormal noise, stop the vehicle for inspection.
- If the power assembly has serious refrigerant or oil leakage, stop the vehicle for inspection.
- Break-in is a power assembly requirement. This may be done within the first 2,000 km in economic mode. Steady driving instead of highspeed driving is recommended. The following practices can effectively prolong its service life:
 - Avoid flooring the accelerator pedal when starting and driving.
 - Do not maintain high or low speeds for too long.
 - Emergency braking should be avoided within the first 300 km.

Trailer Towing

- This vehicle is designed to carry passengers. Do not overload it or use it to tow other vehicles.
- Towing other vehicles will have an adverse impact on the vehicle, including maneuverability, performance, braking, endurance, economic driving or power consumption.
- 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 towing for commercial purposes.

Driving Safety Precautions

No drunk driving

Even a small amount of alcohol can reduce a driver's ability to respond to changes in traffic conditions. The higher the level of alcohol, the less responsive the driver will be, therefore, drunk driving is strictly prohibited.

No speeding

Speeding is the main cause of collisions and casualties. Generally speaking, the faster the speed, the greater the danger, therefore, maintain a safe speed according to road traffic conditions.

Keeping the vehicle in safe driving condition

Burst tires or mechanical failures are extremely dangerous. Drivers must regularly check vehicle conditions and submit the vehicle to its scheduled inspections to reduce the possibility of such failures.

A Note

- Only licensed drivers can drive the vehicle.
- Do not drive when fatigued.
- Traffic laws are to be observed at all times.
- When driving, drivers must stay focused and not carry out any unrelated activity, such as answering calls or adjusting buttons.

Suggestions for Vehicle Use

Battery service life is extended when the following is observed:

- If the vehicle is going to be idle for over 7 days, keep its battery capacity between 40% and 60%.
- If the vehicle is going to be idle for over 3 months, charge the battery fully and discharge it down to 40% to 60%, otherwise the battery will over-discharge, its performance will be jeopardized and damage may incur. Such damage is not covered by the warranty service.
- A 0 (zero) pure electric driving range displayed on the cluster indicates low SOC. In this case, the battery is to be charged immediately to prevent long driving periods with a low SOC battery.
- To keep optimal battery conditions, it should be fully charged with the AC equipment regularly (at least once a week).
- For improved long-term performance, do not expose the vehicle to extreme temperatures (above 60°C or below –30°C) for over 24 hours.
- When there is sunken tray or scratches on the lower surface of the battery pack, go to a BYD authorized dealer or service provider for troubleshooting;
- When the vehicle is traveling, do not repeat rapid acceleration and deceleration;
- When the vehicle is traveling, do not keep it running for a long time as this may lead to over high battery temperature and decline of vehicle performance;
- When the vehicle is traveling, if the fault light is on, go to a BYD authorized dealer or service provider for troubleshooting;
- When the battery temperature is very high, vehicle performance will decline. In this case, keep the vehicle still until the battery temperature decreases.

🔂 Tip

- If the meter drops to 0, the battery must be recharged. If it is not recharged within 7 days, the battery may suffer permanent damage. Such damage is not covered by BYD warranty terms.
- Driving range depends on a number of 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

🔂 Tip

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.
- Energy and repair cost saving tips:

1. Regenerative braking setting:

This vehicle can recycle energy. Set the energy through regenerative braking, which can be set by using the corresponding button in the infotainment system. When regenerative braking is set to high, energy recovery increases when braking and coasting. Set this feature according to 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 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.

3. Reduce load:

Consumption is higher when air conditioning is used. When outside temperatures are moderate, the use of air circulation instead of air conditioning reduces consumption. Do not overload the vehicle unnecessarily.

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.
- Keep the bottom of the vehicle clean and mud free. This reduces vehicle weight and prevents corrosion.

7 Tip

Do not coast in neutral gear.

Carrying Luggage

- This vehicle has multiple storage spaces. Overloading or improper placement may affect handling, stability and safety.
- Use the glove box, interior panel and seat back pockets to place small items. Large items are to be placed in the trunk.
- Long items can be loaded by folding the rear seat backs. Make sure to place loads properly so as not to affect vehicle handling, stability and safety.
- Make sure the vehicle's total load (vehicle + passengers + luggage) remains within the specified maximum weight.

A 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, for those might interfere in the the vehicle's operating functions.

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Carrying Luggage in the Passenger Area

- Items that might injure occupants in case of collision must be properly placed and secured.
- Do not place any item above the package so as to keep the driver's rear view clear, and prevent items from being thrown around in case of collision.
- Make sure items do not roll under the driver's seat and reach the pedals or affect seat adjustments. Do not load any item that is taller than the front seats' seat backs.
- Make sure the glove box is always closed while driving, under risk of severe injury to passengers' knees in case of collision.

🔂 Tip

Be careful with children's toys inside the cabin, for these may pose a hazard in case of emergency braking or accidents.

Loading the Trunk

- Place luggage evenly in the trunk. Place heavier items at the bottom and as far in as possible.
- Secure items with ropes or straps so that they will not move while driving. Do not stack items against the rear seats' seat backs.
- For trunk strapping or fastening supplies, contact a BYD authorized dealer or service provider.

Vehicle 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 and keep acceleration steady to slowly cross over.



- Never stop, back up or turn off the vehicle in flooded areas.
- After crossing over, press the brake pedal several times to dry out the disks and recover brake performance.
- Be careful when driving through deep water, as brakes may get wet.

A Warning

- The presence of water, mud, or silt in the braking system may delay brake response and extend braking distance.
- Drive carefully and avoid emergency braking after crossing flooded areas.
- The motor will be seriously damaged if it is submerged when crossing a flooded area. Such damaged is not covered by the vehicle's warranty.
- Other systems like transmission, driving and electrical may also be seriously damaged upon submersion. Such damage is not covered by the vehicle's warranty either.

Influence of waterlogging on high-voltage parts:

- If water enters high-voltage systems, it may not fully dry out by any means.
- Vehicle safety and operating performance will be seriously affected if high-voltage parts are waterlogged, because insulation is seriously compromised and the risk of short-circuit is greatly increased.

- Waterlogged high voltage parts pose a very high safety risk, due to reduced protection and voltage withstanding capacities.
- Be sure to find a sheltered place when charging the vehicle in rainy weather. If the vehicle is waterlogged or the wading depth exceeds the door sill, timely contact a BYD authorized dealer or service provider for troubleshooting and processing. Do not drive in flooded areas where water is deeper than half the tire height.

Fire Prevention

To timely and effectively prevent vehicle fire, pay attention to the following:

- Do not leave flammable or explosive items in the vehicle.
 - Temperatures may reach 60 to 70 in a vehicle exposed to direct sunlight in summer. Flammable or explosive items like lighters, cleaning products or perfume are not to be left inside the vehicle.
- Make sure cigarettes are thoroughly put out.
 - Smoking is harmlful to health and cigarettes that are not thoroughly put out could cause a fire.
- Go to a BYD authorized dealer or service provider for regular vehicle checks.
 - Vehicle wiring, connections, harnesses and insulation must be checked regularly. If any problem is found, it must be dealt with promptly.
- Do not refit vehicle wiring or add any unauthorized electrical appliance.
 - The addition of extra electrical appliances (such as power speakers, lamps, etc.) may overload and overheat the wiring harness and increase the risk of fire.
 - Unqualified refitting of electrical appliances or wiring may increase the risk of fire due to contact resistance and abnormal heating. Do not use fuses which exceed the rated specifications of the electrical appliance, or any other fuse substitute.
- Avoid exposing the vehicle to direct sunlight for longer periods when parking.

- Learn how to handle the vehicle's fire extinguisher.
 - Check the fire extinguisher regularly and replace it upon its expiry date.
- When the vehicle is being repaired or maintained, make sure the negative end of the low-voltage battery is disconnected.
- In case of fire, keep calm and take the necessary steps to put it out.
 - Pay attention to early signs of fire, like unusual smell or noises. If any abnormality is found, stop immediately, check for fire and use the extinguisher if necessary.
 - Dial (emergency number) to notify the authorities and insurance company.
 - Look for the ignition point. If the cabin smokes, do not open the hood immediately. (This will let a large amount of air in and cause fire spreading. There is limited comburent in the cabin. Keeping the hood closed can control the fire so that the fire can be easily put out). Point the onboard fire extinguisher at the ignition point from the hood gap to put the fire out, or seek help from the passing cars. If you can borrow more fire extinguishers, open the hood to put it out when you cannot see any flame from outside.
 - If the fire brigade is involved, ask for a duty performance certificate and a description of fire cause.
 - In the event of an accident, contact the insurance company timely.

🕖 Tip

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

Snow Chains

- Snow chains are only used in emergency or when vehicles travel in specific areas specified by laws.
- Snow chains should be installed on front 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 wheels and snow chains, do not travel with snow chains on roads without snow.

7 Tip

- Driving speed should not exceed 30 km/h or the speed limit specified by the snow chain manufacturer.
- Drive carefully, and watch out for bumps, holes and sharp turns, as these will cause the vehicle to jump.
- Vehicles equipped with snow chains should avoid sharp turns or locked wheel braking. Slow down before entering the turn to avoid losing control and causing an accident.
- Snow chains should be used symmetrically on the tires. That is, they should be used either on both front tires or both rear tires, or all four tires at once. Snow chains should be removed immediately when not in use.

Starting the Vehicle

In normal cases, start the vehicle as below:

- Engage the parking brake firmly.
- Switch the gearshift lever to P or N.
- Carry a valid smart key.
- Press the Start/Stop button ② while pressing the brake pedal ①.



- When the "OK" indicator lights up on the cluster, the vehicle is powered on.
- The vehicle cannot power on when:
 - The smart key warning light lights up, there is a beep, and a "No key detected" message is displayed on the cluster, meaning the key is not in range or cannot be detected.
 - The key is somewhere unsuitable for detection, such as on the floor, in the cup holder, trunk, etc.

Starting the vehicle in emergencies:

- Engage the parking brake firmly.
- Turn off all lights and accessories.
- Switch the ignition off.
- The electronic smart key is in the vehicle.
- Press and hold the smart key start button for over 15 seconds.

A Note

Do not touch the power button while driving.

Before starting the vehicle:

1. The power mode is OFF.

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- 2. The gearshift lever is on "P".
- 3. The vehicle speed is below 5 km/h.

Electronic Smart Key "Remote Start Function"

- Press and hold the "Remote Start/Stop" button on the electronic smart key for 2 seconds to start the vehicle. After it is started, the turning lights flash three times.
- If there is no effective operation within 10 seconds after remote start, the vehicle powers off automatically and the turning lights flash twice.
- Press and hold the "Remote Start/Stop" on the electronic smart key for 2 seconds to power off. The turning lights will flash twice.



Driving

Safety Check Before Driving

It is advisable to carry out a safety check before driving long distances, which may ensure your driving safety and enhance your driving experiences. The vehicle can also be taken to a BYD authorized dealer or service provider for inspection.

Exterior

Tires: Check tire pressure and carefully inspect tires for any cut, damage, foreign material, anomaly, and excessive wear.

- Lug nuts: Check whether nuts are loose or missing.
- Lighting: Make sure headlights, position lights, turn signals and all other lights are working normally. 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.
- Brake pedal: Verify that there is enough space for the brake pedal to work.
- Low-voltage battery and cables: Check the storage battery connectors for corrosion or loosening, and for cracks in the battery casing.

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.

Check after starting

- Check the exhaust system for leakage. In case any anomaly is found, have it repaired.
- Instrument cluster: Verify that maintenance indicator and speedometer work properly.
- Brakes: In a safe area, drive the vehicle straight, hold the steering wheel tightly, decelerate and apply the brake. Verify that the vehicle maintains a straight direction.
- Other abnormalities: Check for loose parts, leaks, and unusual noises.

If everything is OK, enjoy driving with confidence.

Preparations Before Driving

- Check the surroundings before getting into the vehicle.
- Adjust seat position, seat back angle, cushion height, headrest height, and the steering wheel angle and height.

- Adjust rear view mirror and side mirrors.
- Close all doors.
- Fasten the seat belts.

Gear Shift Controls

- The gear position of the gear actuator is marked on the gearshift lever as shown on the right.
- "P": Parking. Press this button to park the vehicle. Shift to this position when turning the motor on or off.
 - To start the vehicle, the power status should be on "OK". Depress the brake pedal and press "UNLOCK" button to switch from "P" to another position.



A Note

- The "P" gear button must only be pressed after the vehicle has come to a complete stop.
- Reverse gear (R) can only be used after the vehicle stops.
- Neutral gear (N) is used for temporary stop.
 - The Parking gear must be engaged whenever the driver leaves the vehicle.
- Drive gear (D) is used for normal driving.
- Before shifting into "D", ensure that the power switch is on "OK"
- Shifting out of "P" or to "D" gear requires pressing the brake pedal and the UNLOCK button at the same time. For details, see the prompt message on the instrument cluster.
- If the shift is successful, the lever returns to its middle position after it is released.

Warning

- Transmission may be seriously damaged due to lack of lubrication if the vehicle is allowed to move for too long after the motor is turned off and "N" gear is engaged.
- When the motor is running and "R"/"D" gear is engaged, be sure to keep the brake pedal pressed, otherwise the vehicle will move.
- If the gear position is shifted while driving forward, do not step on the accelerator pedal.
- While the vehicle is in motion, do not push the gearshift lever into "R" position or press the "P" button.
- It is not recommended to drive down slopes in "N" or "P" gear, even if the motor is not running.
- To prevent the vehicle from inadvertently moving, engage the parking brake and press the "P" button after the vehicle has stopped.

Electric Parking Brake (EPB)

EPB Switch

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



Manual EPB Engagement

Pull up the EPB switch so that the EPB applies an appropriate parking force. The indicator (P) on the instrument cluster flashes and then is steady on, indicating that EPB is engaged. In addition, a text prompt "EPB activated" is displayed.

A Note

P When the indicator flashes, EPB is working. If the vehicle is on a slope, do not release the brake pedal unless (P) is steady on, otherwise the vehicle may move down.

Automatic EPB Engagement

Automatic EPB engagement

■ When the vehicle is powered off, EPB automatically engages and the () indicator lights up on the cluster.

Automatic "P" gear engagement

Depress the brake pedal to stop the vehicle and engage P gear. EPB is engaged automatically. Do not release the brake pedal until the indicator on the cluster stops flashing and become steady on and the "EPB engaged" message is displayed.

A Note

- If the EPB switch is pressed and shutdown, EPB will not be pop up automatically. This operation can be used for towing or pushing the vehicle in case of breakdown.
- During this process, the brake pedal should not be released in advance, especially when the vehicle is parked on a slope, as there is a risk the vehicle will move down.
- This feature is intended to improve the vehicle's autonomous safety, and over-reliance or frequent use is not recommended. To ensure safety, make sure that the vehicle is set to the "P" gear position or the EPB switch is pulled up before getting out of the vehicle.
- In the first few seconds after starting the vehicle, the EPB system is in the process of power-on self-test, during which it will not respond to all functions.

Manual EPB Release

When power status is on "OK" or the vehicle is started and the gearshift lever is not on "P" (Parking), press and hold the brake pedal and press the EPB switch until the indicator on the cluster goes off, indicating EPB has been released, and an "EPB Released" message is displayed.

A Note

The "P" gear is the vehicle's parking gear, meaning that the vehicle is in a stable parking status, while EPB is the vehicle's main parking device. To ensure parking safety, release EPB with the EPB switch only when the vehicle is not in "P" gear (parking gear).

Automatic EPB Release upon Vehicle Start

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

A Note

- The brake pedal must always be pressed when shifting gears. Release the pedal only after the intended gear is displayed on the cluster.
- When the vehicle has been started and the gear is in a driving gear like "D" or "R", engage EPB manually, then simply depress the accelerator pedal slowly to a certain degree. EPB is released automatically, with the () indicator going off and the message "EPB Released" displayed.

A Warning

- Whenever possible, refrain from using for forced braking. Use the emergency braking function only extreme cases, for example, when the brake pedal fails or is blocked.
- This is because EPB cannot exceed the physical limit of road adhesion. If the emergency braking function is used in curves, dangerous or congested roads, or in bad weather conditions, the vehicle may drift, skid or deviate.

Release Failure

If manual EPB release fails, press and hold the EPB switch for over 2 seconds. If EPB can be released, drive the vehicle to the nearest repair shop to check the brake pedal switching signal and relevant parts and lines. If it cannot be released, contact a BYD authorized dealer or service provider immediately. When the vehicle is running and ESC system works properly, if the brake is stuck or fails, controller deceleration parking (CDP) can be used. If only EPB is engaged, the braking deceleration is 0.4 g; if EPB is engaged with the brake pedal pressed at the same time, the braking deceleration is 0.8 g. Avoid using EPB for forced braking, but only activate the emergency braking function in case of emergencies such as brake pedal failure or stuck brake pedal.

EPB System Indicator

- When the vehicle is powered on, if the EPB is engaged, the indicator () on the instrument cluster will be steady on.
- When the vehicle is powered off, if the EPB is engaged, the indicator () on the instrument cluster will go on and then go off after about 3 seconds.
- When the vehicle is powered on, the EPB system starts self-check. The indicator (1) on the cluster will go on and then go off after about 3 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 Activation Sound

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

Warning

- To prevent the vehicle from moving, the gearshift is not to be used to replace EPB when parking. EPB must be used instead, and the vehicle must be in "P" gear.
- The EPB switch must not be operated when the vehicle is moving.

150 4-4 Starting and Driving

A Warning

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)

Auto Vehicle Hold (AVH) takes place when the vehicle is stationary for longer periods of time, such as in traffic jams on a slope, or waiting at traffic lights. The AVH function is enabled when the brake pedal is used to stop the vehicle.

- Press the AVH switch to enable AVH. A white indicator for AVH standby is displayed on the dashboard, and it turns to green when AVH can be enabled.
- Press the AVH switch again to disable AVH.



A Note

When the accelerator pedal is pressed, shift to "P" gear or pull up the EPB switch, the AVH mode will be disabled and the vehicle will return to AVH standby state. If the conditions for AVH standby are not met, and the auto park standby condition is also not met, and the AVH state will also be disabled.

Preconditions for AVH Standby (all must be met)

AVH is turned on and the white AVH standby indicator is displayed on the dashboard.

- Seat belts are fastened and doors are closed.
- The drive motor is started or ignition status is on "OK".
- Intelligent power braking system and electronic parking brake (EPB) systems are normal.

A Note

At power-on, the automatic parking function is disabled by default. It enters standby mode, and the instrument panel shows the white AVH standby status indicator light.

AVH Running Conditions (All Must Be Met)

- The AVH function is ready.
- In travel gear, the brake pedal is pressed to stop the vehicle.
 - The AVH function is enabled, brake lights go on, and the AVH indicator goes green.
 - The AVH function will enter standby after working for 10 minutes, with the EPB switch automatically popping up.

A Note

- For AVH to be activated, the conditions of the automatic parking function must be met at the same time.
- When the gear is shifted from D to R, the system will enter moving mode, and the AVH function will not be activated. When the AVH button is pressed or after the speed exceeds 10 km/h, the system will exit moving mode.

Low Speed Moving Conditions

When the gear is shifted into "R" and the vehicle moves slowly, AVH goes into low speed moving mode. When the vehicle reverses

(P gear) or travels (D gear) at a low speed, AVH is suppressed to improve vehicle motion.

To exit moving mode, push the AVH switch or drive at a speed above 10km/h. Then the AVH function can be activated normally.

Key Points for Driving

- Drive slowly and carefully along gravel roads. To prevent tire damage, do not drive over sharp-edged obstacles.
- Slow down on bumpy or uneven roads.
- Avoid driving through flooded areas as much as possible.
- Slow down when driving against strong winds.
- Cleaning the vehicle or driving through deep water may wet brakes. To keep brakes dry, drive carefully and depress the brake pedal gently.
- Drive carefully on slippery roads, such as roads covered in ice, snow or sand; or surfaces like wet ceramic tiles or epoxy resin. Avoid parking on slopes to prevent vehicle sliding.

Tip

- The battery is located in the vehicle's chassis. Make sure to avoid bumping when driving on rough terrain.
- Before driving, make sure that EPB is fully released and that the EPB indicator light is off.
- Do not leave the vehicle on "OK" ignition status.
- Remember to carry the smart key when leaving the vehicle.
- 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 skidding.
- Make sure no occupant sticks their head or hands outside the vehicle, specially when it comes to children.

🔂 Tip

Large amounts of water entering the front compartment will cause damage to the power system and electrical components.

A Warning

Drivers must ensure the safety of all vehicle occupants, and show them how to handle the vehicle's functions properly.

Key Points for Winter Driving

- 1. 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.
- 2. Check batteries and cables conditions.
 - Low-voltage battery capacity is lower in cold weather, so they must be fully charged when winter comes.
- 3. Avoid door frost.
 - Spray some deicing agent or glycerin in the lock hole to prevent freezing.
- 4. 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.

A Note

Do not use anti-freeze or other substitutes as washing solution, as this may damage vehicle paint.

- 5. Prevent ice and snow from going under the fender.
 - If ice or snow accumulate under the fenders, steering will be difficult. When driving in cold weather, stop from time to time and check for snow and ice under the fenders.
- 6. Have emergency tools or items available as prevention for difficult 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.

Cruise Control System*

Turn on/off the cruise control system

- After the vehicle is strated, press the cruise button (1) and the indicator swill light up on the cluster.
- Press the cruise button (1) again or power off the vehcile to turn off the cruise control system.



Setup

When the vehicle speed exceeds 40 km/h, press the setup (5) button, and the current speed will be reset as the target cruise speed. At this time, the indicator SET will light up on the cluster, which means the setting is successful.

Speed adjustment

- Push up the lever (2), and press it to increase the speed by 5km/h while press and hold it to increase continuously.
- Pull down the lever (2), and press it to decrease the speed by 5km/h while press and hold it to decrease continuously.

Reset

Tap on the reset (2) button to restore to the stored speed prior to exiting the cruise system last time.

Exit

Tap on the button (3) or press the brake pedal or shift the gear from "D" to others to exit cruise control.

Over speed

When the cruise system is activated, presse the accelerator pedal to accelerate. If the rest operation is not done after the acceleration, the vehicle will return to the speed set before the acceleration. Press accelerator pedal while tapping on the setup button (5), the current

speed will be set as the target cruise speed and the vehicle will cruise at this speed.

1 Danger

- Improper use of the crusie 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) System*

- The adaptive cruise control (ACC) system, an extension of the traditional cruise control, uses a radar to detect the relative distance and speed of the vehicle ahead, so as to control vehicle speed accordingly. The system switches between regular cruise control and ACC depending on whether there is a vehicle ahead.
- Cruise speed and time interval from the vehicle ahead can be set by using the cruise buttons. Cruise control speed can be set within a 30 to 150 km/h (20 to 95 mph) range, or a fixed distance from the vehicle ahead can be set to cruise at speeds between 0 and 150 km/h (0 to 95 mph).

Status Description

- ACC off:
 - ACC system is disabled. To access the function, enable the ACC system first.
- ACC standby:
 - Once enabled, the system is in 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, the si icon is displayed on the cluster.
- ACC activated:

- The system is operational. It maintains the set speed or automatically adjusts the distance from the vehicle ahead. At this time, the [¬] icon is displayed on the cluster.
- Over speed:
 - If the accelerator pedal is pressed with ACC activated, ACC will enter over speed mode until the accelerator is released.
- ACC failure:
 - There has been a failure in the system. No operation can be performed, and the ACC failure indicator ?! lights up on the cluster.

ACC System Activation Conditions

- The EPB is released.
- Vehicle is in D gear.
- The vehicle does not slide backwards.
- All doors, hood, and trunk lid are closed.
- Driver seat belt is fastened.
- The ESP system is started, but not activated yet.
- The vehicle speed is not greater than 150 km/h (95 mph).
- Brake pedal is depressed at speed 0; or brake pedal is not depressed at speeds above 0.
- There is no vehicle network communication failure prompt on the instrument cluster.
- The AEB function is not activated.

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Cruise Button Operation

ACC on/off button

Press button ① to activate or exit ACC. (The system is in standby when activation conditions are met).

Increasing target vehicle speed/ACC reset

Push up the lever ② to restore to the stored speed prior to exiting the cruise system. If no cruise speed is stored, the vehicle travels at current speed.



Decreasing target vehicle speed/Vehicle speed setting

- If the lever ② is toggled, ACC will set the current speed as the target speed when it is activated from standby. If the current speed is below 30 km/h or 20 mph, the target speed will be set to 30 km/h or 20 mph; and if the current speed is above 150 km/h or 95 mph, the target speed will be set to150 km/h or 95 mph.
- When ACC is active, vehicle speed can be set within a 30~150 km/h (20~95 mph) range, by toggling lever ②. By toggling lever ② up/ down, target speed can be increased/decreased by 5 km/h (mph). When cruise is on standby within the same ignition cycle, the system memorizes the last speed setting.

ACC exit

Pressing the brake pedal will make the ACC system go on stand-by. Press the key (1) again to deactivate the ACC function.

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 ③ and ④ 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, the driver can press the accelerator pedal to reach the set target cruise speed in advance. The system then enters over speed mode. If the vehicle is already going at the target cruise speed and the accelerator is pressed, the vehicle will return to target speed after the accelerator is released. If the lever ② is pulled down while accelerating, the current speed will be reset as the target cruise speed. If the speed goes above 150 km/h, or the accelerator pedal is depressed and held for over 15 minutes, the system will go into standby mode and the ACC need to be reactivated.
- With ACC activated, if the brake pedal is depressed to slow down the vehicle, ACC will go into standby mode. After the brake is released, ACC will need to be reactivated.

Follow-to-stop/start

- Controlled by ACC, the vehicle can stop when the vehicle ahead stops in normal driving conditions and resume driving automatically following the vehicle ahead if the stop is less than 3 seconds.
- If the vehicle stops for less than 3 minutes, the driver needs to reactivate ACC by depressing the accelerator pedal or using the ACC Cruise button.
- If the vehicle stops for more than 3 minutes, the ACC system will enter standby mode, with EPB engaged.

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.
- The ACC assists the driver, but is not a substitute for the driver. Drivers shall abide by traffic rules and keep vehicle control at all times and be fully responsible for their vehicles.
- 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 is suitable for use on highways and roads in good conditions, rather than on complex urban or meandering roads.
- When the ACC system is active and the accelerator or brake pedal is pressed, vehicle control is transferred to the driver, and ACC system distance control will not be activated.
- ACC only responds to stationary or slow-moving objects, such as vehicles, the end of traffic, toll booths, bicycles or pedestrians in special and very specific conditions.
- For safety reasons, ACC cannot be activated with ESC disabled.
- The ACC system cannot identify pedestrians or oncoming vehicles.
- The ACC system can only achieve limited braking instead of emergency braking.
- The ACC may have no or slow responses to a vehicle ahead that brakes suddenly (emergency stop), resulting in a risk of late braking. In such cases, there will be no take over request.
- In some cases, such as when the vehicle ahead is going too slow, when you change lane too fast, or when the safe distance 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.
- Reaching or leaving a curve may delay or disturb target selection. In these cases, the ACC vehicle may not brake as expected or may brake late.
- On roads with sharp bends, such as winding roads, the vehicle ahead may be out of ACC sensor detection, so ACC may accelerate.
- 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 its radar detection range 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.
- If the contact ratio of your vehicle with the vehicle ahead is too small, ACC will not be able to recognize the latter as a target, 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.
- 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 does not cover all obstacles, so the driver must be alert.
- The radar sensor performance may be affected by vibration or collision. In this case, it is recommended to contact a BYD authorized dealer or service provider.
- The radar is installed at the front area of the vehicle. If its detection area is blocked, specially by snow, its function may be affected, and the system will exit. and notifies so through HMI. System function will recover after blockage is removed and the vehicle is restarted or runs for a while.
- The radar may have a transient function failure from limited detection if the vehicle runs under special conditions, such as circular ramps or tunnels. The function may be recovered by restarting the vehicle or driving under normal conditions for a while.
- Modifying the vehicle structure, such as lowering the chassis or changing the front license mounting plate, may affect the ACC system.
- Metal objects, such as rail or metal plates used in road construction, may interfere with the medium range radar, making it malfunction.

- 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).
- In any of the following situations, it is recommended to go to a BYD authorized dealer or service provider for professional calibration and verification of the medium range radar:
 - Removal of front medium range radar or front bumper;
 - After four-wheel alignment;
 - Collision;
 - ACC system performance decline or system error notified by instrument cluster.

Predictive Emergency Braking System*

The predictive emergency braking (PEB) system has two features: pedestrian collision warning (PCW) and automatic emergency braking (AEB). It uses radar and multifunctional video controller to detect with vehicles ahead or pedestrians. When a risk of collision is detected, the system gives a sound alarm and light warning 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.

Usage

To enable or disable the PCW function, tap $\ominus \rightarrow$ **DiPilot** \rightarrow **Active Safety**. By default, the system is switched on when the vehicle is started.

PCW

Safe distance warning

If the vehicle is too close to the vehicle ahead at speeds above 65 km/h for too long, the system gives a safety distance warning, and the indicator $rac{1}{\leq}$ lights up on the cluster.

Pre-warning

If the vehicle travels at speeds between 30 and 150 km/h and the system recognizes a risk of collision with a vehicle ahead, the system will give a warning visually and audibly, and the indicator $\neq 0$ on the cluster will light up and the buzzer will alarm. The driver needs to promptly take appropriate actions to ensure safe driving distance.

Emergency warning

If the driver fails to respond to the pre-warning, the system gives an emergency visual and tactile alert. The \checkmark_{\leq} indicator flashes and there is a short braking warning. The driver needs to promptly take appropriate actions to ensure safe driving distance.

AEB

- If the driver fails to respond to the emergency warning and the risk level increases, the system will enable the AEB function. It engages braking force as much as possible to avoid collision or reduce crash impact.
- If the driver applies insufficient braking force in an emergency, the braking system provides additional braking force to reach the optimal level required to avoid collision or reduce crash impact.

System Limitations

- Detection may be affected or delayed in some environments. If the radar reflection cross-sectional area of the target (a bicycle, three-wheelers, four-wheeler, or motorized bicycle, or motorcycle, 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 the following cases, the predictive emergency braking (PEB) system may be affected or give no response:
 - In rainy, snowy or foggy days, large water splashes, or exposure to direct sunlight or glaring lights, or significantly varying lighting conditions.
 - Dirty, hazy, damaged or blocked sensor.

- Radar failure due to interference from other radar sources, such as strong radar reflection in multi-storey car park.
- 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 background.
 - Pedestrians are not detected, due to, for example, coverage by special clothing or other materials.
 - The vehicle travels on a curve with a small turning radius.

Precautions

- The PEB 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 PEB system as this may result in serious accidents leading to 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 vehicle at all times and be fully responsible for safe driving.
- The AEB system is activated at vehicle speeds above 4 km/h, but it can only reduce vehicle speed by up to 45 km/h. Careful driving is always required, because the system may not be triggered correctly.
- When the ESC function is disabled or the trouble light is on, the AEB system cannot work normally.
- If PCW 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 but turns the steering wheel, accelerates or brakes.
- The radar sensor may have a transient function failure from limited detection if the vehicle runs under special conditions, such as circular ramps or tunnels. The function may be recovered by restarting the vehicle or driving under normal conditions for a while.
- Sometimes the sensor or multifunctional video controller detect dirt or foreign matter on its surface. In this case, a message is displayed on the instrument cluster and both PCW and AEB are disabled. The functions will recover after the sensor or camera is cleaned.
- The pedestrian protection function is limited by certain physical conditions and it may not be able to take effect within the 4-60 km/h speed range as required. Therefore, the responsibility to use brakes timely and effectively always lies in the driver. Pedestrian protection warnings and preventive braking depend on the actual situation.
- 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.
- In case of system failure due to radar or multifunctional video controller misalignment, the pedestrian protection function may trigger unnecessary warning or braking.
- The brake pedal becomes harder when 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 PEB system is triggered only when the doors are closed and the seat belt is fastened. In the following circumstances, it will fail to work in the following cases:
 - Any door is not closed or it is opened when the vehicle is moving.

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- The seat belt is not fastened or it is unfastened when the vehicle is moving.
- The driver brakes hard.
- The driver depress throttle hard.
- The drivers frequently switches between throttle and brake pedal.
- System performance may be reduced in the following cases:
 - Strong front bumper impact.
 - 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 medium range radar in any of the following situations:
 - Removal of medium range radar or multifunctional video controller.
 - Toe-in and rear-wheel camber adjustment during four-wheel alignment.
 - Collision.
 - ACC system deterioration or abnormality.
- Do not try to test the PEB system.

Traffic Sign Recognition System*

The traffic sign recognition system identifies speed limit signs on the road through multifunctional video controller. When the speed limit icon on the cluster lights up, it means the vehicle speed should be within range.

How to use

- Tap on → Dipilot → Driving Assist to enable or disable the traffic sign recognition system. When the vehicle starts, the system defaults to the previous settings.
- When the system identifies a speed limit sign, the speed limit icon identified appears (such as) on the cluster. When the cluster shows the speed is over 5 km/h above the identified speed limit, the icon on the cluster flashes to alert the driver. When the system identifies the end of speed limit icon or after the vehicle travels for a while, the speed limit icon disappears.

Precautions

- The speed limit icon disappears within a certain distance after system recognition. The driver must control speed within range.
- The traffic sign recognition system can identify speed limit signs only, and will not control speed.
- In case of lanes with different speed limits, the system identifies the sign of the corresponding lane, and the driver must remain in such lane.
- Weight limit signs not in standard size as per national regulations may mistakenly be identified as speed limit signs.
- If the speed limit sign is unclear or distorted, inclined, reflective, partly covered or overlaid, the camera may be unable to identify the sign completely or clearly.
- The performance of the traffic sign recognition system depends on weather conditions, light and visibility. The system cannot identify signs at night or sunset; in rain, fog, haze, snow or dust; 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 is reassembled, go to a BYD authorized dealer or service provider for sensor calibration to prevent the system performance from being affected.

Lane Departure Warning System*

The lane departure warning (LDW) system detects the lane lines ahead through a multifunctional video controller. When the vehicle speed is above 60 km/h and the driver unknowingly departs from the lane, the system gives an alarm to alert the driver to drive safely.

Usage

- To enable or disable LDW, go to infotainment → DiPilot. The system defaults to the previous settings when the vehicle starts.
- Warnings include: sound warning only, or steering wheel vibration*, or both*.

Instrument Cluster Prompt

When the LDW is enabled, lane boundaries are displayed on the instrument cluster.

Lane Boundary		
Grey	Function enabled, no lane boundary identified.	
Green	Function enabled, lane boundary identified.	
Red	Function enabled. Vehicle offsets when driver does not change lanes. The vehicle alarms according to the settings, prompting the driver to correct the direction promptly.	

System Limitations

- The LDW system may detect incorrect or no lane lines in complex traffic. In the following situations, the system may be unable to work or its performance significantly degrades:
 - Poor visibility in snowy, rainy and foggy days.

- Dirty or fogged windshield, or blocked multi-functional video controller.
- Glaring from direct sunlight, reflection or oncoming vehicles;
- Sudden changes in light, such as entering/exiting a tunnel.
- Unidentifiable lane markings with shadows cast by the fence.
- Unidentifiable road boundary with grass, soil or curb.

Precautions

- LDW will be suppressed if turn signal used and the vehicle changes lane as indicated by the turn signal.
- LDW may be suppressed if the vehicle travels over lane lines, or 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, the number of lanes increases or decreases, lane markings change suddenly on ramps or exits, or in situations of complex line arrangements.
- On slopes or winding roads, LDW may be suppressed when the vehicle travels too close to the vehicle ahead or the vehicle ahead blocks 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 multifunctional video controller is cracked, if the windshield glass is dyed or inadequately coated, 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 multifunctional video controller is blocked by any object or exposed to strong lights. The function returns 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:

Using and Driving

- Driving the vehicle in a sporty style.
- Severe weather conditions.
- Driving on uneven roads.

Intelligent Cruise Control (ICC) System*

- The intelligent cruise control (ICC) system combines ACC with LKS. With the speed range of 0 - 150 km/h (0 - 95 mph), it helps to control the vehicle both longitudinally and transversely 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.
- Using the switch* or tap on Infotainment → DiPilot to enable or disable the ICC function. When the vehicle starts, the system defaults to the previous settings.



- After the ICC function is enabled, the standby indicator on the cluster lights up: ⊖
- After the ICC function is activated, the activated state indicator on the cluster lights up:
- When the ICC function is enabled and the ACC function is activated, and speed is between 0 and 60 km/h:
- 1. If lane lines are identified on both sides of the vehicle, it will keep at the center of the lane, regardless of vehicles ahead.
- 2. If the vehicle enters a road segment where lines become unclear or absent, and there is a target vehicle ahead, the vehicle will follow it and move slightly from side to side.

- If there is no target vehicle ahead, the ICC function will be suppressed and only ACC will work.
- When the ICC function is enabled and the ACC function is activated, and speed is between 60 and 150 km/h:
- 1. If lane lines are identified on both sides of the vehicle, it will keep at the center of the lane, regardless of vehicles ahead.
- 2. If the vehicle enters a road segment where lines become unclear or absent, regardless of whether there is a target vehicle ahead, the ICC function will be suppressed and only ACC will work.

A Note

- When the system is on, if the driver's hands leave the steering wheel for about 15 seconds, the system will prompt the driver "please take over the steering wheel". If the driver does not take over, it will exit intelligent cruise control mode.
- The intelligent cruise control system is a driving assistance system, not automatic driving. The driver should always maintain control of the vehicle, and his/her hands should not leave the steering wheel for too long. Otherwise, the system will exit after prompting the driver to take control.
- The intelligent cruise control system is affected by the weather, lighting and clarity of lane lines. Performance degrades significantly in situations such as backlighting, sunsets, snow-covered roads, and severely damaged roads.
- The ICC is a system which integrates the functions of the adaptive cruise control system (ACC) and lane keeping system (LKS). Therefore, it is necessary to follow the relevant precautions for ACC and LKS when using it.

Blind Spot Detection (BSD) System*

The blind spot detection (BSD) system includes the following functions: blind spot detection, side assist, rear cross traffic alert (RCTA), rear collision warning, and door open warning (DOW)*. It recognizes current

traffic conditions through radar sensors so as to remind the driver of safe and careful driving.

Usage

Tap on $\boxminus \rightarrow$ **DiPilot** \rightarrow **Driving Assist** to enable or disable BSD system. The system defaults to the previous settings when the vehicle starts.



Blind spot detection

When speed is above 30 km/h and the sensor detects a vehicle within the blind spot of a side mirror, its indicator 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.



Side assist

When vehicle speed is above 30 km/h and the radar sensor detects a vehicle approaching quickly on the adjacent lane, the alarm indicator on the side mirror of the corresponding side 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.

RCTA

- RCTA helps the driver check the transverse cross areas on both sides at the back of the vehicle. When the vehicle moves backward, it tells the driver whether there is a vehicle approaching from behind.
- When the vehicle is reversing, the RCTA system detects the vehicles traveling in the blind spot at the back through radar. If the RCTA system believes other vehicles approaching in the back may crash into

the vehicle, it turns on the spot indicator on the side mirrors so that the driver can reduce collision risk.

Rear collision warning

At vehicle speeds above 5 km/h, if radar sensors detect a risk of collision with a vehicle approaching too quickly from behind, the vehicle hazard warning light and the rearview mirror warning indicators* flash to remind the driver of careful driving. An alarm will sound to warn the driver of the approaching vehicle of collision risk.

DOW*

- The door open warning (DOW) system detects conditions that may endanger vehicle safety from the rear when the vehicle stops and a door is about to open, and gives a light warning.
- The rear radar recognizes targets within close range from the rear and on both sides, detects conditions that may endanger vehicle safety from the rear, and alerts you with a warning light.
 - Detection targets include non-power-driven vehicles such as bicycles, electric scooters, three-wheelers, motorcycles, powered vehicles such as trucks, sedans and buses, as well as pedestrians and other moving objects that may endanger traffic safety.

A Note

- The BSD system assists the driver in monitoring side mirror blind spots, but it cannot replace the driver's subjective observation and judgment. The driver must maintain control of the vehicle at all times, and is fully responsible for the vehicle.
- When a target vehicle is approaching from behind at a high speed, the BSD system may not be able to provide adequate warning.
- The driver should ensure the normal operation of the BSD system, keeping the BSD radar sensors in good condition. For example, if they are covered in dirt, snow or other obstructions, they need to be cleared right away
- Detection may be affected or delayed in some environments, and when the radar cross-sectional area of the target vehicle is too small (it may be a bicycle, electric moped or pedestrian), the system

Using and Driving

A Note

will not be able to identify risk, leading to false alarms. In addition, detection may be affected by noise or electromagnetic interference, resulting in delays.

If unrelated targets at the side rear or rear (such as large roadside barriers used during road repair, large advertisement billboards by the road, reflectors in tunnels, or other objects with a large reflection cross-sectional area) are wrongly selected as targets, the BSD system will issue an alert.

Under some circumstances, it will be difficult for the system to assist the driver and the detection system may be affected or delayed. Possible circumstances include, but are not limited to:

- The car coming from the rear suddenly changes lanes;
- Sharp turns, slopes and other scenarios may delay target detection;
- Relative target speed above 80 km/h;
- The target vehicle is obscured;
- When the radar reflection cross-sectional area of the target vehicle is too small (it may be a bicycle or electric moped);
- The curve radius is too small, or when entering or exiting a curve;
- Severe weather, such as rain or snow.
- BSD sensor calibration may be affected by vibration or collision, which will degrade the system's performance. In this case, contact a BYD authorized dealer or service provider.

Radar compliance statement

Radar sensor models:

77V12FLR: FCC ID: WU877V12FLR

77V13CRN: FCC ID: WU877V13CRN

Compliance statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

🗃 Tip

Changes or modifications not expressively approved by the party responsible for compliance could void your authority to operate the device.

Tire Pressure Monitoring

System Description

- Tire pressure monitor system (TPMS) is composed of a tire pressure monitoring module, a tire pressure monitoring control module, and a display. It can monitor tire pressure in real time and display and alarm by sending visual and acoustic signals. On this basis, it can improve driving safety and comfort and reduce tire abrasion and power consumption due to insufficient air pressure.
- Driving and prompt messages are displayed on the cluster. When this is no prompt message, the driving messages are displayed. Users may select the tire pressure display interface by pressing and on the steering wheel.
- For the standard pressure value, please refer to the vehicle parameters in the specification.

Basic functions

- Power-on alarm
 - If the tires are under a low pressure when the vehicle is powered off, when the vehicle is powered on, a low-pressure alarm will prompt to inflate the tires prior to driving.

- Low tire pressure alarm
 - When the system is running, once any of the four tires has a pressure below 75% of the standard tire pressure, the TPMS will give a low tire pressure alarm within 1 minute and indicate the position of the balloon tire;
 - In this case, inflate the tire to the standard pressure. When the tire pressure is above 95% of the standard tire pressure, the alarm stops.
- Fast air leakage alarm
 - When the system is running, once one or more tires leak air at a rate above a specific value, the TPMS will give a fast air leakage alarm within 15 seconds and indicate which tire is leaking air;
 - In this case, timely check the tires and ensure they are in good conditions prior to driving.
- Fault alarm
 - When the system is running, an alarm will be given after it fails.
- Display tire pressure value in real time
 - When the TPMS is running, the pressure value of each tire is displayed.

Description of alarm display

Tire pressure alarm light: (!)

Cause	Display Mode	Solution
Low tire pressure	 Tire pressure alarm light is on. Tire pressure value turns yellow. 	Check for slow air leak and inflate the tire to the appro- priate level.
Signal abnormal	 Tire pressure alarm light is on after flash- ing. Tire pressure value: signal abnormal 	Check for the tire pressure monitoring module and the surrounding electric field nearby.

Cause	Display Mode	Solution
System failure	 Tire pressure alarm light is on after flash- ing. Message prompt: Check for tire pressure monitoring system Tire pressure value: Signal abnormal 	Check for the tire pressure monitoring module and tire pressure control module, or change them if necessary.

PRECAUTIONS

- The running time of tire pressure monitoring module is related to the daily travel distance.
- The module regularly transmits information like tire pressure to the display. Therefore, if the tire pressure suddenly declines or flat tire occurs during traveling, the monitoring module will not transmit data to the display until next monitoring. In this case, the vehicle may be out of control. If both the tire and the monitoring module are failed and no information can be transmitted, or the driver believes one of the four tires has been damaged, stop driving immediately.
- Improper installation of the tire pressure monitoring module will affect the gas tightness of the tire. The tire pressure monitoring module should be installed and replaced by the professional technicians from a BYD authorized dealer or service provider according to the installation manual.
- To change tire position or replace tire pressure monitoring module, first rematch the entire tire monitoring system. This should be done by the professional technicians from a BYD authorized dealer or service provider; otherwise, system failure may occur.
- Since the tire pressure varies with the ambient temperature, please inflate or deflate the tires according to the value displayed on the cluster and their standard pressure values.
- The TPMS applies wireless transmission, which may lead to a poor receiving effect when there is serious interference.

A Warning

- If tire pressure is abnormal, the system does not prevent the vehicle from driving. Therefore, each time before driving, the vehicle should be started statically to check whether the tire pressure meets the manufacturer's specified requirements. If not, do not drive the vehicle, under risk of damage or safety risks.
- If pressure is found to be abnormal while driving, check the tire pressure immediately. If the low pressure warning light goes on, avoid sharp turns or hard braking, reduce speed and stop as soon as possible. Driving with low tire pressure can cause permanent tire damage and increase the likelihood of tire scrapping. Serious tire damage may cause serious traffic accidents.

Panoramic View System*

Tap "Vehicle View" on the Infotainment home page, press the Steering Wheel button or engage R gear. The "Panoramic View" is enabled.



- Landscape mode:
 - Tap the icons for front, rear, right and left views at the bottom of the Infotainment screen. Single views are displayed on the view area.



 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 Pai in the panoramic view to enable the radar display, and tap it again to disable. When the radar display is enabled, an obstacle warning is displayed as it is approached.
- Portrait mode:
 - Tap any two icons for front, rear, right and left views at the bottom of the Infotainment screen. Single views of the selected locations are displayed in the view area.
- Slowly tap the body image on the left to switch between visible and invisible body.
- After the vehicle starts, the image before last power-off is displayed on the invisible panoramic view interface. Foreign bodies in the underbody and surrounding blind areas may be inconsistent with the actual ones. The underbody image will be updated in real time only after the vehicle has moved, which must be driven beyond its length for a complete update.



Warning

- This system uses wide-angle fisheye cameras, so the object on the display screen may appear somewhat deformed in comparison with the actual object.
- The panoramic view system is only to be used for parking/driving assistance. It is not safe to park or drive the car relying only on this system, because there are some blind spots in front of and behind the car. The surroundings of the car 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.

A Warning

- 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; the driver needs to judge the distance between the vehicle and the object in various ways.
- The cameras are mounted on the front bumper, on the lower sides of the left and right side mirrors and above the rear license plate. Make sure the cameras are unobstructed.
- When washing the car body with a high-pressure water gun, try to avoid spraying directly on the cameras, so as not to affect their performance. If there is water or dust on the cameras, it should be promptly wiped clean.
- Protect the cameras from any impact to prevent damage or malfunction.
- If the infotainment system is not fully activated after the vehicle is powered on, and the panoramic view start button or the reverse gear is operated, 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 moving the vehicle at low speeds, as the transparent panoramic function is affected by the speed fluctuation or multiple stops and brakes, there will be a misalignment between the image of the bottom of the vehicle and the image of the outside of the vehicle.

Parking Assist System*

- When the vehicle is being parked, the Parking Assistance system uses sensors to detect obstacles and inform the driver of the distance between the vehicle and the obstacle through the Infotainment screen* and the speaker alarm.
- Parking Assistance is a way to help reverse the vehicle. Make sure to check the vehicle rear and surroundings when reversing.
- When the vehicle goes into reverse, the system automatically enables the Reversing View.
- Never use other buttons under the Reversing View screen, except for volume and telephone related buttons.
- When the vehicle is out of reversing, the screen restores.

Reversing View screen

- The two lines in the image are safety lines for reversing.
 - Red: about 0 m to 0.5 m away;
 - Yellow: about 0.5 m to 1 m away;
 - Green: about 1 m to 3 m away.
- The area shown varies with the vehicle's direction and road conditions.



A Warning

- When the vehicle speed exceeds 10 km/h, the Park Assist system stops working.
- Make sure the sensors' working range is clear of any object.
- Do not rinse or apply steam to the sensor area when washing the vehicle to prevent sensor malfunction.

4

Reversing Radar Power Switch

- Press the Reversing Radar switch* or tap Infotainment → Dipilot → Parking Assist → Reversing Radar to enable or disable the reversing radar system.
- When the ignition status is "OK" and EPB is released, the parking assist system is enabled automatically.



When enabled, the system sounds an alarm if obstacles are found surrounding the vehicle; when disabled, it does not.

Sensor Type

- When the sensor detects an obstacle, the corresponding image will be displayed on the Infotainment screen*, depending on the location of the obstacle and its distance from the vehicle.
- The sensor measures the distance between the vehicle and the obstacle when parking or moving the vehicle in a row, and communicates the distance information through the Infotainment screen and the speaker. Be aware of the surroundings for use of this system.
- (1) Front left sensor*
- (2) Front right sensor*
- (3) Rear right sensor*
- (4) (5) Rear right sensor*
- (6) Rear left sensor*



Distance Display and Speaker

When the sensor detects an obstacle, the location of the obstacle and its general distance from the vehicle will be displayed on the Infotainment screen, and the speaker will beep.

Working	example	of central	sensor
---------	---------	------------	--------

General distance (mm)	Infotainment display	Alarm sound
About 700 to 1200		Slow
About 300 to 700		Fast
About 0 to 300		Continuous

Working example of corner sensor

General distance (mm)	Infotainment display	Alarm sound
About 300 to 600		Fast
About 0 to 300		Continuous

Working Sensors and Their Detection Range

All sensors are activated upon reversing.

The figure shows the sensors' detection range. Sensors have a range limitation, so drivers must check the surroundings before slowly reversing the vehicle.



- ① About 1200 mm
- ② About 600 mm

🔂 Tip

- Park Assist is designed to assist the driver in parking. It is not a substitute for personal judgment and observation for maneuvering the vehicle.
- Sensors will not work properly if accessories or other objects are placed within their detection range.
- In some cases, the sensor does not work properly and cannot detect objects approached by the vehicle. Therefore, drivers must always observe the vehicle's surrounding area instead of relying solely on the sensor.

Sensor Detection Information

- Certain vehicle conditions and surroundings may affect the sensors' ability to accurately detect obstacles. Detection accuracy may be affected if:
 - There is dirt, water or fog on the sensor.
 - There is snow or frost on the sensor.
 - The sensor is masked in any way.
 - The vehicle leans significantly to one side or is overloaded.
 - The vehicle is moving on particularly bumpy roads, slopes, gravel or grass.

- The sensor has been repainted.
- 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 system nearby.
- The vehicle is fitted with a towing lug.
- 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 vehicle is fitted with non-original, lower suspension.
- Except as described above, sensors may not be able to correctly determine the actual distance due to the shape of the object.
- 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;
 - Any object under the bumper;
 - Any object too near the vehicle;
 - Persons near the vehicle (depending on the type of clothing).
- If an image is displayed on the infotainment screen* or there is a beep, it may be that the sensor detects an obstacle or is interfered. If the issue persists, go to a BYD authorized dealer or service provider for inspection.

🛕 Note

Do not rinse or apply steam to the sensor area when washing the vehicle to prevent sensor malfunction.

4

Driving Safety Systems

To improve safety, the following driving safety systems will work automatically based on driving conditions. However, these systems only provide assistance, and excessive driver reliance on them is not recommended.

Intelligent Power Braking System

- The intelligent power braking system is an advanced decoupled electrohydraulic brake (EHB) system integrating vacuum booster, electronic vacuum pump, ABS/electronic stability controller system and other features.
- Intelligent Power Braking System assists vehicle braking according to the driver's demands. It improves vehicle stability and comfort, as well as recovery efficiency of brake energy.

Vehicle Dynamics Control (VDC)

If the vehicle swerves from the driver's normal lane, the VDC will correct the situation by engaging brakes to the corresponding wheels to help control skidding and maintain directional stability.

Traction Control System (TCS)

TCS prevents the drive wheels from skidding during acceleration and engages brake control to prevent idling of drive wheels when necessary. TCS makes it easy for vehicles to start, accelerate and climb under adverse driving conditions.

Warning

- TCS effectiveness is affected under the following conditions:
 - When driving on slippery roads, even if TCS is working properly, it may not be able to control the direction and meet power requirements.
 - Conditions where stability and power may be lost.

Hill Hold Control (HHC)

After the brake pedal is released, HHC maintains brake pressure for 1 second to prevent backward sliding.

Hydraulic Brake Assit (HBA)

When the brake pedal is pressed quickly, HBA recognizes that the vehicle is in emergency mode and actively improve the brake pressure so that ABS can intervene more quickly and effectively shorten the brake distance.

Controller Deceleration Parking (CDP)*

When the EPB switch is pulled, the CDP function starts working and the vehicle brakes at a constant deceleration (0.4 g when the EPB is pulled without pressing the brake pedal, and 0.8 g when EPB is pulled with pressing the brake pedal) until the vehicle stops, and it stops working if the EPB is released.

Hill Descent Control (HDC)

- Working principle: HDC is a value-added function of the ESC system to improve vehicle comfort, the main function of which is to assist in uphill and downhill slow driving through active braking. When HDC is working, ABS will be activated when the wheel slip exceeds the ABS trigger threshold, allowing the driver to safely and smoothly go downhill, or even reverse.
- To enable or disable HDC:
 - The HDC switch can also be pressed when the speed is below 38 km/h. When HDC is enabled, its status indicator on the instrument cluster is steady on.
 - Press the HDC switch again to disable the function, and the indicator goes OFF. When the speed exceeds about 65 km/h, the HDC automatically stops.
- HDC speed control:
 - HDC works in speeds between 11 and 38 km/h, within which the speed can be adjusted by pressing/releasing the accelerator or brake pedal. The vehicle speed is set when the accelerator or brake

Using and Driving

pedal is released. The HDC status indicator flashes to indicate that the HDC is working.

- HDC malfunction:
 - In some special conditions, such as at a long stretches downhill, the HDC function may be temporarily unavailable due to high brake temperature.
 - A "Please check the HDC system" will be displayed for safety. To restore the function, stop the vehicle until the brake temperature cools down.

ESC operation instructions

The intelligent power braking system has the following new functions compared with the original ESC system:

- Brake Pedal Feel
 - It is used to adjust brake pedal feel. Under different modes, the relation curve between the brake pedal depth and the vehicle deceleration is different, and drivers can choose their preferred mode.
 - To adjust the brake pedal feel, tap infotainment icon → Vehicle Settings → Drive Comfort Adjust, go to "Brake Pedal Feel Adjust" settings, and choose "Standard/Comfort".
- Comfort Parking
 - CST function: when the vehicle decelerates to stop in a nonemergency situation, Intelligent Power Braking System reduces the stop-instant suspension pitch and impact by controlling the brake pressure of the four brakes, and provides a smooth stop feeling.
 - To enable or disable this function, tap infotainment icon → Vehicle Settings → Drive Comfort Adjust, and go to "Comfort Parking" settings.
 - When the CST function is triggered, the braking distance may be slightly increased by 2-5 cm. Therefore, increase the distance from the vehicle or obstacle ahead accordingly before stopping your vehicle.

- Brake disc wiping
 - Brake disc wiping function: when the wiper switch is on or the rain sensor detects rain, Intelligent Power Braking System applies a small brake pressure to all four brakes so that pads come into contact with discs to remove the water film on the brake disc, and reduce brake response time and shorten brake distance.
 - As long as the system detects rain or the wiper ON signal, the brake discs are repeatedly wiped at certain intervals to improve safety.
- 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, where the system should be turned off to get out of the jam.
- Turning off ESC
 - To disable the ESC, tap on the ESC OFF switch or tap Infotainment System Settings to shut it down. In addition, ESC checks its working status in real time. If the ESC OFF switch is pressed while ESC is working, it completes the active intervention control this time rather than executes the "OFF" command immediately. ESC is disabled only after the intervention control is complete.
 - The disabled ESC may be re-enabled if the ESC OFF switch is pressed again or the vehicle speed exceeds the 80 km/h threshold.
 ESC may be re-enabled only if the ESC 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 for more than 10 seconds. All internal ESC functions will work normally.

- ESC restart after motor OFF
 - After the ESC is disabled, restarting the motor will automatically restart ESC.
- ESC system start and speed linkage
 - If the ESC system is turned off, when the vehicle becomes extremely unstable as the speed increases and exceeds the threshold (80 km/h), the ESC system will start on its own.
- With ESC system activated
 - If the ESC fault indicator $\stackrel{\frown}{\underset{\frown}{\underset{\frown}{\underset{\frown}{\atop}}}}$ blinks, drive with caution.
- With ESC system disabled
 - Be careful when ESC is disabled, and drive at speeds suitable for road conditions. The ESC system can ensure 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 system 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
 - Use of any defective tire or modified suspension affects the driving safety system and may cause the system to fail.

Anti-lock Braking System (ABS)

- The ABS hydraulic system has two separate circuits. Each circuit runs diagonally through the vehicle (the left front wheel brake is connected to the right rear wheel brake). If one circuit fails, two wheels can still be braked.
- ABS helps maintain 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. This is what is sometimes referred to as "a firm step and a precise turn".
- When the ABS is working, the brake pedal will vibrate, which may produce noise. This is because the ABS is in pulsating prompt brake, which is normal. How quickly ABS works depends on tire driving force (adhesion).

Important Safety Tips

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

- ABS also does not prevent loss of stability. A large or sharp turn while in motion can cause the vehicle to swerve into oncoming traffic or run off the road.
- Vehicles equipped with ABS may require longer brake distances when driving on soft or uneven surfaces, such as gravel or snow, than vehicles without ABS. In such cases, slow down and keep a long distance from other vehicles.

Warning

- ABS cannot work effectively under the following conditions:
 - Insufficient tire grip;
 - The vehicle skids when driving at high speed on slippery roads.

A Note

- If the ABS warning light is still on while the brake system warning light turns on stop the vehicle in a safe place immediately and contact a BYD authorized dealer or service provider.
- ABS cannot prevent skidding caused by sudden changes of direction, such as turning a corner or changing lanes suddenly. Drive carefully and at a safe speed at all times, regardless of road and weather conditions.
- ABS also does not prevent loss of stability.In emergency braking, steer moderately. A large or sharp turn while in motion can cause the vehicle to swerve into oncoming traffic or run off the road.

Acoustic Vehicle Alerting System (AVAS)

AVAS refers to the broadcast to passengers approaching a vehicle traveling at a low speed.

- When driving forward:
 - The broadcast volume increases with increment of velocity that is at 0 km/h < V ≤ 20 km/h

- The broadcast volume decreases with increment of velocity that is at 20 km/h < V ≤ 30 km/h.
- The broadcast sound stops automatically when V is greater than 30 km/h.
- When reversing, the vehicle makes a continuous and balanced broadcast sound.
- The vehicle can give two types of alerting sounds, which can be switched as desired.
- AVAS has two audio modes: standard and dynamic, which give different AVAS sounds and can be switched as desired.



Warning

If the AVAS warning sound cannot be heard when driving at a low speed, stop the vehicle in a relatively safe and quiet place, open the window, then drive at a constant speed of 20 km/h in D gear and listen (maximum volume at this time) to verify the sound effect. If it is confirmed that there is no sound, contact a BYD authorized dealer or service provider to deal with it.

4

Interior Rearview Mirror

Automatic Anti-Glare Rear View Mirror*

The ECM function automatically adjusts the lens color of the rear view mirror according to the vehicle surroundings to reduce the interference of rear glare on the driver's field of vision.



A Warning

- Do not hang heavy objects from the rear view mirror, or forcefully shake or drag it.
- When manually adjusting the rear view mirror, do not adjust forcibly if it gets stuck.
- Do not adjust the rear view mirror while the vehicle is in motion, as it may distract the driver's attention.

Manual Anti-Glare Rear View Mirror*

- Normal mode rotate the control stick left to get the clearest mirror image.
- Anti-glare mode rotate the control stick right to effectively reduce interference from rear vehicle headlights. Note that antiglare may lower the clarity of rear visual field.



Electric Side Mirrors

Side Mirror Adjustment Buttons

Manually folding side mirrors

Push the outer edge of the side mirror to rotate the mirror body around the folding axis to the locked position.



Auto fold of side mirrors

Press the fold button 🦰 to

fold both left and right side mirrors, which will return to their pre-folding position if this button is pressed again.

The left side mirror can be selected by pressing the corresponding auto regulation



- Side mirror auto-fold can be controlled by tapping on \ominus \rightarrow **Vehicle** settings-External rear view mirrors-Auto-Fold.
- The right side mirror can be selected by pressing the corresponding

auto regulation switch





4

There are four directions



(i.e. up, down, left and right) for

regulating lens directions to adjust the side mirrors.

🔂 Tip

- If the side mirrors get frozen, do not operate the controller or scrape their surface. Deicing spray should be used.
- Do not adjust the side mirrors while the vehicle is in motion.

Wipers

Replacing Wiper Blades

When the vehicle powered is → Vehicle tap on. on health→Repair→Front wiper check to enable or disable the front wiper check function. When the corresponding wiper check function is enabled, the wipers rotate out automatically for easy maintenance and replacement.

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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.
- Hold the wiper blade and pull it out along the indicated direction (2);



 When installing a new wiper blade, follow the reverse procedure.

Replacing Rear Wipers

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



A Note

- Do not open the hood when the wiper arms are pulled up.
- Lower the wipers slowly, avoiding direct impact onto the windshield.
- Do not bend the wiper blade, and do not obstruct the wiper blade when the wiper is in operation.
- When replacing the wiper blade, after raising the wiper arm, hold it steady and gently lower it after replacing the wiper blade. Otherwise, before the wiper blade is installed, any external force could make the wiper arm snap back on the glass and risk breaking it.

4

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A/C Panel View

Front A/C buttons:

- ① Auto button
- ② A/C ON/OFF button

③ Defrost button for front windshield



A/C Operation Interface

 \blacksquare Tap on $\boxdot \to$ Vehicle settings \to A/C to enter the A/C settings interface.

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10:12 PM2.5 Inside	6 Outside21					鬼浩	‱⊚⊷⇒⊚⊿12m ∡0°
DiLink				A/C			Intelligent notification
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[4]) New energy	Remote A/C schedule m	ode (Unit: Minu	rtes)	Ð			
O Vehicle settings	10 15 Auto A/C mode	20 25	30				
Vehicle health	Economical	Com	nfort 4				
	Automatic purification		• • •				
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1 Fan speed reduction during calls

2 Auto air recirculation when parking

Setting fan speed reduction during calls

- Tap on this button to enable this setting.
- Tap on this button again to disable it.

Setting auto air recirculation when parking

- Tap on this button to enable this setting.
- Tap on this button again to disable it.

Setting remote A/C schedule mode

Drivers can select the time for remote A/C schedule.

Setting auto A/C mode*

The A/C mode can be set to economic or comfort mode.

Automatic purification

- Tap on this button to enable auto purification function.
- Tap on this button again to disable it.

- (3) Remote A/C schedule mode
- 4 Auto A/C mode*
- (5) Automatic purification

In-Vehicle Devices

Front Row A/C Operation Interface



① Front Row A/C Operation Interface

- (2) Air Purification System*
- ③ Seat Heating button*
- 4 A/C Operations button
- 5 A/C ON/OFF button
- 6 AUTO Mode button
- (7) A/C Cooling button
- (8) Max Cooling button

1 Front Row A/C Operation 9 Defrost button for front windshield

10 Defrost button for rear windshield & side mirrors

- 1 Internal/external circulation button
- 12 Ventilation button

(13) Front passenger A/C temperature regulation button

14 Blowing Mode button

15 Air amount regulation button

(16) Driver A/C temperature regulation button

Functional Definition

Auto mode button

- After tapping this button, its indicator lights up on the front A/C panel, and compressor status, and air amount and blowing modes can be adjusted automatically.
- The vehicle exits AUTO control if air amount and blowing modes are set, and other functions remain in AUTO mode except for those that have been operated.

A/C power button

- Tap this button to disable the A/C if it is ON.
- Tap this button to enable the A/C if it is OFF.

Max. cooling button

- Tap this button to activate the Max Cooling control. The compressor is then started, the temperature is Lo, the air amount is adjusted as Max, the internal circulation is started, and air blows in face level mode.
- Tap this button again to exit.

A/C cooling button

- Tap this button to activate the A/C compressor. The compressor then starts to work for cooling.
- Tap this button again to deactivate the function, and the compressor stops working.

Internal/External circulation button

- Tap this button. The icon is displayed, and the air inlet mode is internal circulation.
- Tap this button for the second time. The ⇔ icon is displayed, and the air inlet mode is external circulation.

🕖 Tip

When the parking automatic internal circulation is enabled, to ensure air quality in the vehicle and prevent the vehicle exhaust

🕖 Tip

from entering the vehicle, the circulation mode will switch to the internal circulation when parking.

Ventilation button

- Tap this button to activate A/C ventilation control. The outlet air is natural air.
- Tap this button again to exit.

Temperature regulation

- A/C temperature regulation
 - Tap the upside arrow or slide it down to increase the temperature. Tap the downside arrow or slide it up to lower the temperature.
 - When the temperature is set to the lowest, "L0" is displayed. When it is set to the highest, "HI" is displayed.

Defrost button for front windshield

- Tap this button to activate the front windshield defrosting button indicator on the front A/C panel and enable the front windshield defroster control mode, and the air supply mode is changed to front windshield defroster mode.
- Tap this button again to deactivate and exit the front windshield defroster control mode.

Defrost button for rear windshield & side mirrors*

- Tap this button, and the heating panel in side mirrors will quickly clear the side mirrors. It will be automatically disabled after 15 minutes if there are no other commands.
- Tap this button again to disable the function.
- This function is not to be used to dry raindrops or melt snow.

🔂 Tip

Using the side mirror electric heating defrosting function for a long time may cause the mirror to wear out faster. Turn off the defrost button when it is not needed.

A Note

When cleaning the inside of the rear window, be careful not to scratch or damage the heating wire and the connector.

Air amount adjustment

- A/C air amount regulation
 - Tap the chosen position, the higher the position, the larger the air amount.
 - Tap 🛞 to set it at position 1, and tap 🛞 to set it at position 7.

Blowing mode

- Tap the corresponding icon on the Infotainment system to select the corresponding blowing mode.
- Air blowing modes can be combined freely, and up to three air blowing modes can be enabled simultaneously as required.



Adjustments can be made according to the following air supply.

Usage Guidelines

- 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 select the internal circulation mode for a few minutes.
- Make sure that the air intake grille in front of the windshield is not blocked.

- In humid weather, avoid blowing cool air onto the windshield to prevent fogging and reduced visibility.
- Keep the space under the front seats clear to improve air circulation.
- In cold weather, set the air volume to a high range for 1 minute to remove snow or moisture from the intake passage and reduce fogging.
- In cold weather, select internal circulation for a few minutes for quick heating. To prevent fogging after cabin is heated, select external circulation for air intake.
- Drivers should close all windows, set internal circulation mode, and turn on A/C fans when driving in dusty or windy conditions.
- In heating mode, press the compressor control button to light up the button (turning on the compressor), which can reduce airflow moisture.
- In ventilation mode, the system introduces the natural wind from outside, which is suitable for spring and autumn.

Tip

- A/C unpleasant smell:
 - It is normal that there may be a damp and moldy smell just after the A/C is turned on. That is due to condensation that remains in the evaporator and is not blown dry.
- How to prevent it:
 - Turn off the A/C and enable natural ventilation before parking to keep the air inside the vehicle relatively dry.
 - Check, clean or replace the air filter regularly.
 - Keep the cabin clean.
- If the unpleasant smell persists, contact a BYD authorized dealer or service provider for repair.
- It is normal that the A/C blower keeps running after the vehicle is locked. That is because the condensed water on the surface of the evaporator needs to be dried to prevent mold fermentation.

Vents

Front Center Vent

- Move the knob to adjust airflow or to open/close the vent.
- Toggle left/right to adjust airflow direction.



Front Side Vents

- Move the knob to adjust airflow or to open/close the vent.
- Toggle left/right to adjust airflow direction.



Rear Side Vents

- Move the knob to adjust airflow or to open/close the vent.
- Toggle left/right to adjust airflow direction.



Air Purification System*

When A/C is enabled, the air purification system thoroughly removes PM2.5 particles from the air blown into the cabin.

Air Purification Operation Interface

Tap on the "Air purification" button on the Infotainment operation interface to enter.



Air Purification Button
Quick Purification Button
Outside PM2.5 Value and Level
In-vehicle PM2.5 Value and Level Display
PM2.5 Detection Button

PM2.5 Detection Button

- Tap on the "PM2.5 detection" button to activate and detect PM2.5 concentration inside/outside in real-time, which will be displayed in real time on the PAD.
- PM2.5 detection will stop if the button is tapped on again.

Quick Purification Button

- This function can quickly reduce the concentration of PM2.5 particles in the air inside the compartment in a short time.
- Tap on this button to activate and enable the function; and tap on the button again to exit.

In-vehicle PM2.5 value and level display

- The area displays the PM2.5 value and level outside/inside the vehicle.
- The PM2.5 value detected by the on-board Particulate Matter 2.5 (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.

Here is a reference of air quality grade:

Range of PM2.5 Values	Air Quality Grade
0-35	Good
36-75	Moderate
76-115	Detrimental to sensitive population
116-150	Unhealthy
151-250	Very unhealthy
251-999	Hazardous

🔂 Tip

- The frequency of PM2.5 detection should be reduced in the following environments:
 - Sandstorms and other such extremely harsh environments;
 - Cold regions (ambient temperature <-20℃);
 - High humidity environments (relative humidity >90%);

🔂 Tip

- 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 air flow speed in internal circulation mode can quickly reduce the concentration of fine particles in the air inside the vehicle.

Switching on A/C with Cloud Service App

- A/C ON: On the BYD app control page, tap the "A/C ON" button, set "Set temperature", "Duration" and "Circulation mode", and enter the password to enable A/C remotely.
- A/C OFF: Tap the "A/C OFF" button on the BYD APP control interface, and enter the password to disable A/C remotely.
- A/C schedule: On the BYD app control page, tap "A/C schedule" → "Create Schedule", set time, temperature, duration and circulation mode, and save the settings. The A/C will be turned on at the set time.

Door Bins

There is a door bin on each door for storage of beverage bottles or small items.



Glove Box

- Pull the handle to open the glove box.
- Push the lid up to close it.



7 Tip

To reduce risk of injury in the event of an accident or emergency braking, keep the glove box closed while driving.

Center Console Cubby

Located between the front seats, open the cover to use.



File Pocket

There are file pockets at the back of the front seats.



Cup Holder

The front seat cup holder is located inside the center console cubby.



A Note

- Avoid sudden acceleration or braking when the cup holders are being used to prevent spillage.
- Do not place cups without lids in the cup holders.
- To ensure safety, drivers should not use cup holders while driving

Sun Visor

(1) Sun visor

- Sun visors can be used for sunlight coming from the vehicle's front or side.
- For side use, just pull out the right end and turn it towards the side window.



(2) Vanity mirror

There is a vanity mirror on the inner side of the sun visor. Slide the cover for use.

🔂 Tip

Correct use of the sun visor improves driving safety.

Safety Handles

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



A Note

Do not hang any heavy objects from the safety handles.

USB Ports

Front Row USB Ports

There are two ports installed in the lower layer of the auxiliary console.

- ① Type-A port for data transfer.
- ② Type-C port, which can be used only for charging.

The vehicle should be powered on before these ports can be used.



Rear Row USB Ports

- These USB ports are for charging only, and cannot be used for multimedia.
- The vehicle should be powered on before these ports can be used.


12V Auxiliary Power

- It can be used for accessories with 12 V DC working voltage and no more than 10 A working current.
- Lift the cover to use the outlet.



Luggage Compartment Cover*

- The luggage compartment cover is used for privacy and direct sunlight protection.
- Clip the two sides of the cover (1) into the lug boss of the lower trim of C pillar on both sides, and hang the strings on the trunk lid (2).



Do the reverse to remove the cover.

A Warning

- When installing the luggage compartment cover, make sure that it is installed securely.
- Do not place any objects on the luggage compartment cover.
- Children are not to be allowed on the cover.

Infotainment Control Panel Pad

When the vehicle is powered on, the initial screen will be displayed for several seconds and the infotainment system starts to work. It must be used after network connection to better experience Infotainment functions (such as APP and Internet calls).



- ① Infotainment touchscreen
- Scroll button
- Audio can be turned off when pressed and on when pressed again. The infotainment system can be restarted when the button is pressed and held for over 3 seconds.
- Scroll up to turn volume up down to turn volume down. Volume ranges from 0 to 39. A "Mute" icon is displayed when volume is 0.

A Warning

- Do not use a high-power inverter in the vehicle, as this may cause the infotainment system to malfunction.
- Do not format or root the device without authorization, or it will cause the infotainment system or the vehicle to malfunction.
- For driving safety, the use of landscape view is recommended while driving.

A Note

- To prevent damage to the touch screen
 - Touch it 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.

A Note

- Using the touch screen
 - When the display screen temperature is low, the displayed image may be darker, or the system may work slightly slower than normal.
 - When wearing sunglasses, the screen may be dark or difficult to see. Change the viewing angle, or take off the sunglasses.
 - The touch screen buttons that are grayed out cannot be operated.
- The touch screen interface shown here is for reference only.

Service and Maintenance

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Maintenance Cycle and Items

Vehicle Maintenance Schedule

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

A Note

Please carry out regular maintenance of the vehicle according to the requirements in BYD Auto "Warranty and Maintenance Service Manual".

Maintenance Schedule Requirements

The vehicle shall 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 plan items may need to be performed more frequently.

- Road conditions
 - Driving on rough, muddy or slushy roads.
 - Driving on dusty roads.
- Driving conditions
 - Towed trailer, camping trailer or roof rack is used.

Maintenance Schedule

The vehicle maintenance is performed based on the mileage or months, whichever comes first.

Maintenance Item	Maintenance interval	
Chassis fastening anchor screw checkup	Check them every 12 months or 20,000 km and replace any part with abnormal damage in time	
Brake pedal and EPB switch checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions	
Brake friction block and disk checkup	Check them every 12 months or 20,000 km	
Brake piping and hoses checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions	
Guide pin of brake caliper assembly checkup	Check it every 24 months or 40,000 km	
Steering wheel and lever checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions	

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Maintenance Item	Maintenance interval
Drive shaft boot checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions
Ball pin and boot checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions
Front and rear suspension checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions
Tires and inflation pressure (incl. TPMS) checkup	Check them every 12 months or 20,000 km and replace any part with abnormal damage in time
Front and rear alignment checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions
Tire rotation (check the tire pressure and conditions at least once a month)	Every 10,000 km
Door stop checkup	Check the door checker every 12 months or 20,000 km. Remove dust from the tie rod with wet soft cloth, apply 0.3-0.8 g grease to the tie rod, riveted joints and rotating shaft, and replace the abnormally damaged parts in time
Wheel bearings clearance checkup	Check them at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards, or every 12 months or 20,000 km in severe conditions
Auxiliary tank refrigerant level checkup	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time
Drive motor anti-freeze replacement	Change the long acting organic acid refrigerant once every 4 years or 100,000 km, whichever comes first
Brake fluid checkup	Check it every 12 months or 20,000 km and change it in case of any abnormal damage in time
Brake fluid replacement	Change it once every 2 years or 40,000 km
Checking of vehicle module fault codes (cleared after recording)	Check it every 12 months or 20,000 km and change it in case of any abnormal damage in time

Maintenance Item	Maintenance interval	
Power battery tray, guard plate, crash bar, and mount point torque checkup	Check them every 12 months or 20,000 km and replace any part with abnormal damage in time	
Capacity testing and calibration	Every 6 months or 72,000 km	
Checkup and replacement gear oil in transmission (NT30 transmission)	The gear oil should be changed for the first time at 24 months or 40,000 km, and every 24 months or 48,000 km afterwards	
Powertrain leaks or bumps checkup	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time	
Loose HV harness or connectors checkup	Check them every 12 months or 20,000 km and replace any part with abnormal damage in time	
HV module appearance, deformation or oil stain checkup	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time	
Checking of the interface of each charging connector for foreign bodies or ablations	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time	
Checking of the activated carbon HEPA filter*	Check it regularly every 12 months or 20,000 km, which- ever comes first, and replace it if necessary; and check it every 6 months under harsh working conditions and replace it if necessary	
Checking of headlights, turn signals and cabin lighting	Check them every 12 months or 20,000 km and replace any one with abnormal damage in time	
Checking of headlights dimming function	Check it every 12 months or 20,000 km and replace it in case of abnormal damage in time	
Low beam initial downtilt calibration	Calibrate it every 10,000 km	
Checking EPS GND point for foreign objects or ablations	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time	
Checking of the EPS connector for loose and the connector pin for ablation	Check them every 12 months or 20,000 km and replace any part with abnormal damage in time	

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Maintenance Item	Maintenance interval		
Checking of the appearance of EPS ECU for corrosion	The inspection should be performed at 12 months or 20,000 km for the first time, and every 24 months or 40,000 km afterwards		
Checking of the connection between EPS ECU and motor for foreign bodies or corrosion*	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time		
Checking of the vehicle module for software update (updated if any)	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time		
Checking of high voltage parts for wading marks	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time		
Checking of wiper arm lock nut torque	Check it every 12 months or 20,000 km and replace any part with abnormal damage in time		
Checking of hood lock and fasteners	Check them every 12 months.		
Notos When sheaking item 1, places replace sheasis parts in time if any sharenes!			

Notes: When checking item 1, please replace chassis parts in time if any abnormal damage is found.

7 Tip

To keep the power battery in optimal conditions, it should be fully charged and discharged regularly (once every 6 months or 72,000 km, whichever comes first) for self-calibration. A BYD authorized dealer or service provider may also be contacted to carry out capacity testing and calibration.

Harsh conditions of use are:

- Frequent driving in dusty areas or frequent exposure to salty air.
- Frequent and sudden braking.
- Driving in cold weather.
- Frequent and sudden braking.
- Frequent use of a towed trailer.
- Use as taxi.

- Driving in congested urban areas at temperatures above 32°C for more than 50% of total driving time
- Driving at speeds over 120 km/h at temperatures above 30°C for more than 50% of total driving time
- Frequent overloading.

Regular Maintenance

- Maintenance shall be performed according to the maintenance schedule to ensure optimum vehicle performance and reduced faults.
- Drivers can refer to the maintenance schedule for scheduled maintenance intervals, either odometer or time interval, whichever comes first.
- For overdue maintenance items, the same time interval should be used for maintenance.
- It is recommended that maintenance be performed in accordance with the standards and specifications of BYD Auto 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.

A Note

Please carry out regular maintenance of the vehicle according to the requirements in BYD Auto "Warranty and Maintenance Service Manual".

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 body 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 transporting chemicals, detergents, fertilizers, salt, and other substances, and such substances should be kept in appropriate containers for transportation. If spillage or leakage is found, clean immediately and keep dry.
- Use fenders.
 - Fenders can 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

- 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, which should be carried out by professional auto beauty provider.

- Do not touch the paint with a greasy cloth. Do not place greasy tools or rub with organic solvents on the vehicle body so as to avoid chemical reactions.
- The vehicle should be taken for a paint check regularly (once a month or whenever any problem is found), and waxed once every three months.
- High quality polish and wax must be used. If body finish is severely weathered, use a car cleaning polish separate from the wax. Carefully follow the manufacturer's instructions and precautions. Chrome finish should be polished and waxed as well as painted finish.

Note

The plastic bumper must be removed if the vehicle is to be repainted and parked in a high temperature painting and waxing workshop, as high temperatures will damage the bumper.

Vehicle Cleaning

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

Manual Car Washing

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

- 1. Hose off loose dirt to remove all mud or road salt from the bottom of the vehicle and 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.
- 3. Rinse well When the washing agent dries, it forms markings. After washing the vehicle in hot weather, rinse the parts properly.
- 4. 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.

Tip

- Do not use alkaline washing powder, soapy water, dishwashing liquid, dewaxing detergent, or volatile solvents.
- When cleaning the light assemblies, do not wipe the surface of the combination lights with chemical solvents, such as gasoline, alcohol, lacquer thinner, paint thinner or carbon tetrachloride; otherwise, cracks will appear on the assembly guards.
- Vehicles driven in coastal areas or in heavily polluted areas should be rinsed every day.
- Do not scrape or use gasoline to remove dirt. The plastic wheel trims are easily damaged by organic matter. If any organic matter is splashed on the trims, it must be washed off with water and the trims must be checked for damage. If necessary, promptly replace plastic wheel trims that have been seriously damaged. Otherwise, they may fly off while the vehicle is in motion.
- Do not wash the bumper with cleaning agents that contain abrasives.

🔂 Tip

The plated metal parts must be cleaned with a carbon cleaning agent, and waxed regularly for protection.

Automatic Car 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 staff of the car wash service provider to understand which washing procedures are the safest for the paint finish.

Interior Cleaning

🔂 Tip

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

Do not wash the vehicle's floor.

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, tears or cut marks.

A Note

- Do not clean the seat belts with stain remover or bleach, so as not to weaken them.
- Do not use the seat belts until they are 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.

A Note

When cleaning the inside of the rear window, be careful not to scratch or damage the heating wire and the connector.

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.

A Note

- Do not use organic substances (solvents, kerosene, alcohol, gasoline, etc.) or acid and alkali solutions. These chemicals can cause discoloration, staining or flaking.
- If any detergent or polishing product is used, make sure they do not contain any of these ingredients.
- If a new liquid washing agent is used, it must not come into contact with the vehicle's interior surfaces, as it may contain any of the previously mentioned ingredients. 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 and let it dry in a cool, ventilated place.
- For any questions about vehicle cleaning, please consult a local BYD authorized dealer or service provider.

A Note

- 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 atrimmings must always be kept clean.

A Note

- 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 Precautions

- If maintenance is to be carried out by the owner, be sure to follow the correct steps 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.

A Note

- Some vehicle circuits and parts carry high current or high voltage. Beware.
- If refrigerant spills out, wipe it clean with a dry cloth or paper to prevent damage to parts or painted surfaces.
- If brake fluid spills out, rinse it with water to prevent damage to parts or painted surfaces.
- When replacing wiper blades, prevent them from scratching the glass surface.
- Before closing the hood, make sure there are no tools, cloths, etc., left inside.
- Goggles are to be worn whenever work is done under the vehicle, to prevent objects or liquids from falling into eyes.
- As brake fluid can damage the skin or eyes, caution should be exercised while filling the brake fluid.If brake fluid splashes on skin or eyes, wash immediately with plenty water. If discomfort persists, seek medical attention.

Checks

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

- Refrigerant level Radiator refrigerant level 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 at each charge.
- 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.
- Engine compartment storage battery Check the condition of the storage battery and terminals for 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 defroster 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.

🕖 Tip

There is risk of damage or accidents if the vehicle is driven for long periods without inspection.

Combination Lights

Calibration of front combination lights

For each new vehicle, front combination lights are already calibrated in the factory. If the vehicle often carries heavy loads, the front combination lights may need to be re-calibrated. Go to a BYD authorized dealer or service provider for calibration.

Fogging of lights

- After heavy rain or cleaning, there may be fog on the combination lights, rear lights, and turning lights on the side mirrors. This is similar to condensation on the side window during rain and it is not a problem.
- The lights are located in a relatively closed and narrow space, and the temperature is very high when they light up (the mask and reflector are easy to be burned and deformed), so they need heat dissipation. There are heat dissipation holes on the lamp housing for convection. The greater the temperature difference, the more active the convection. Convection and other factors like sun exposure and bulb heat, can cause humidity to enter the lamp, so condensation may form on its surface.

Tip

- If moisture appears on the inside of the combination lights or on the inside of the turning lights on the side mirrors, this could be due to high humidity in the air or a large temperature difference between the vehicle and its surroundings. When driving, turn on the combination lights or turning lights, and the condensation in the lights will disappear after driving for a short period of time.
- If there is a noticeable amount of water inside the lights, it is recommended to drive to a BYD authorized dealer or service provider for maintenance.

Sunroof Maintenance

Panoramic Sunroof Maintenance*

- 1. Wipe off dust or sand on the outer sealing strips of the sunroof with a damp cloth to avoid scratching them, which may affect their sealing performance.
- 2. Wipe off dust or sand on the molding edges of the front glass with a damp cloth to avoid scratching them, which may affect their sealing performance.
- 3. Fully open the front glass and frequently clean the front end of the rear glass to avoid the accumulation of dust, sand, and leaves, and prevent the drainage holes from being blocked by such debris, resulting in poor drainage of the sunroof.
- 4. Frequently clean the rails on both sides and the front sash to avoid the accumulation of dust, sand, and leaves, and prevent the drainage holes from being blocked by such debris, resulting in poor drainage of the sunroof.
- 5. When washing the vehicle, do not aim jets directly at the sealing strips with a water cannon, to prevent damage to the strips and water from leaking into the vehicle.
- 6. The sunroof freezes easily in winter, the sealing strips or other parts may be damaged if the sunroof is forcibly opened. When the sunroof freezes, heat the vehicle and turn on the A/C system to accelerate the melting of snow and ice on the sunroof. Try to open the sunroof after the temperature inside reaches a certain level. Dry the residual moisture on the sunroof to prevent it from freezing.
- 7. Do not open the sunroof fully on extremely bumpy roads. Otherwise, the vibration between the sunroof and the rail may cause deformation of related parts and even damage to the motor.Also, do not open the sunroof when it rains or the vehicle is being cleaned.

Ordinary Sunroof Maintenance*

- 1. Wipe off dust or sand on the sealing strips of the sunroof with a wet cloth to avoid scratching them, which may affect their sealing performance.
- 2. Wipe off dust or sand around the roof metal sheet with a wet cloth to prevent abrasion of sealing strips when the sunroof is closed, which may affect the sunroof sealing performance.
- 3. Frequently clean the rails, front sash and other parts to avoid the accumulation of dust, sand, and leaves, and prevent the drainage holes from being blocked by such debris, resulting in water leakage into the vehicle.
- 4. When washing the vehicle, do not aim jets directly at the sealing strips with a water cannon, to prevent damage to the strips and water from leaking into the vehicle.
- 5. The sunroof freezes easily in winter, the sealing strips or other parts may be damaged if the sunroof is forcibly opened. When the sunroof freezes, heat the vehicle and turn on the A/C system to accelerate the melting of snow and ice on the sunroof. Try to open the sunroof after the temperature inside reaches a certain level. Dry the residual moisture on the sunroof to prevent it from freezing.
- 6. Do not open the sunroof fully on extremely bumpy roads. Otherwise, the vibration between the sunroof and the rail may cause deformation of related parts and even damage to the motor.Also, do not open the sunroof when it rains or the vehicle is being cleaned.

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 reuse 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 and set the gearshift lever in parking gear.
- Open one window slightly (if stored indoors).
- Disconnect the negative terminal of the 12 V battery in engine compartment.
- 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 monthly). If the vehicle has been parked for a year or more, go to a BYD authorized dealer or service provider for comprehensive maintenance.

Hood

Opening the Hood

 Pull the handle on the left under the dashboard twice and the hood will unlock and open slightly.



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- 2. To open the hood: Lift the hood and support it with the rods.
- To close the hood: Lower the hood to about 30 cm above the front grille and release it, so the fall locks it.
- After closing the hood, check whether the latch is securely locked.



🔂 Tip

Confirm that the hood is closed and locked securely. Otherwise, while driving, the hood may suddenly open and cause an accident.

Cooling System

- It is required that the liquid level should be between the Maximum (MAX) and Minimum (MIN) marker lines of the expansion tank.
- The refrigerant should always be of the same specification as the original refrigerant, without adding any mixture. Different brands and types of refrigerant should not be mixed.



If the level is below the MIN line, refrigerant should be refilled to the MAX line. Check the cooling system for leakage.

🔂 Tip

Opening the refrigerant tank cap when the engine is not yet completely cooled may cause refrigerant to squirt out, resulting in severe burns.

🔂 Tip

Battery refrigerant may fade in color when exposed to high ultraviolet rays such as sunlight. If the hood needs to be opened in the process of car use and maintenance, direct sunlight should be avoided. The performance parameters of refrigerant do not change after it fades, and normal use is not affected.

A Note

- Do not add any rust inhibitor or other additive into the cooling system, for it may be incompatible with the refrigerant or the motor assembly.
- Before opening the reservoir cap, make sure that the motor, high-voltage electronic control assembly, refrigerant reservoir and radiator are all cooled down.
- It is recommended to go to a BYD authorized dealer or service provider to add refrigerant that is compatible with the battery.

Braking System

- The liquid level in the tank should be checked monthly, and the brake fluid should be replaced according to the travel time and mileage specified in the regular maintenance schedule.
- Be sure to use the brake fluid of the same specifications as the original brake fluid, and different types of brake fluid should not be mixed.
- It is required that the liquid level should be between the MAX and MIN marker lines of the tank.
- If the gauge shows a low brake fluid level, check the brake system for leakage and brake lining for abrasion.



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, thus helping keep the wiper blade in good condition.

A Note

- Do not inject vinegar-water solution into the windshield washer fluid reservoir.
- It is recommended to use certified windshield washing fluid.

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.
- Owners can perform the following operations to 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, which can block airflow and reduce cooling.

- In cold months, the A/C should be turned on at least once a week for at least 10 min each time, to allow the circulation of lubricating oil contained in the refrigerant.
- If A/C efficiency decreases, go to a BYD authorized dealer or service provider for maintenance.

A Note

Whenever the A/C system is inspected and repaired, the maintenance station should be required to ensure the use of refrigerant recirculation equipment. This equipment can recover refrigerant for reuse. Improper disposal of refrigerant pollutes the environment.

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 dedicated 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, and 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.
- Do not wash the blades directly with a water jet to prevent excessive water pressure from damaging the blades.

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). 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 six months.
- When cleaning the windshield, raise the wiper arm in advance. The specific operation method is as follows:
 - 1. Go to infotainment system and tap Vehicle health \rightarrow Maintenance to enable front wiper maintenance. The wiper is rotated down.
 - 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.

Warning

- Using excessively worn tires, or with too high or low pressure, poses a high risk of accidents.
- Follow all of the instructions in this manual on tire inflation and maintenance.

Tire Inflation

- Keep tires properly inflated to provide the best combination of handling, tread life and driving comfort.
- Under-inflated tires can cause uneven tire wear, affect handling and energy consumption, and they are more prone to leakage due to overheating.
- Over-inflated tires wear unevenly, reduce comfort, and are prone to damage from uneven roads. If seriously over inflated, there is a risk of bursting, seriously threatening safety.
- The vehicle is equipped with a tire pressure gauge. When the tire is cold, owners can decide whether to replenish tire pressure according to the tire pressure value displayed on the gauge.
- Tire pressure should be measured while the tire is cold. This means that it should be measured at least three hours after parking. If the owner must drive the vehicle before the tire pressure is measured, the tire can still be considered cold as long as the travel distance is not more than 1.6 km.
- If the tire pressure is checked while the tire is hot, the reading will be 30 - 40 kPa (0.3 - 0.4 bar) higher than the cold reading. This phenomenon is normal. Do not deflate in order to achieve the specified cold tire pressure reading; otherwise pressure will be insufficient.

7 Tip

- The recommended tire pressure label (stuck on the driver's side door frame) indicates the recommended cold tire pressure.
- Tubeless tires have a self-sealing function when they are punctured. However, as the leak is usually very slow, as soon as the tire begins to depressurize, carefully look for the leak location.

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.
- Replace the tire if there are cracks on its side, or if its fabric or cord can be seen.
- Replace tires withe excessive tread wear.



- Tire treads are cast with wear marks. When the tread is worn at this point, tread thickness is less than 1.6 mm. The adhesion of tires worn to this extent is very small on wet roads.
- When the tread is worn to the point where the wear mark is exposed, there is serious performance loss, and the tires should 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.
- The vehicle has been balanced in the factory, but tires need to be re-balanced after driving for a period of time.
- If there is some kind of continuous vibration while driving at high speeds (above 80 km/h), but not at low speeds, go to a BYD authorized dealer or service provider and check the tires.
- 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.

A Note

- Improper wheel balancers will get stuck, become loose and fall off. While driving, this will damage the car or surrounding objects.
- Improper wheel balancers will damage the aluminum rims of the vehicle. Therefore, it is recommended to use original wheel balancers.

Tire rotation

- Tire rotation should be performed regularly, as well as fourwheel alignment, inspection and adjustment, so as to make tire wear the same and prolong the service life of tires.
- When buying replacement tires, some tires are 'directional,' which can only be shifted in one direction. If directional tires are used, only the front and rear wheels can be swapped in tire rotation, as shown.



Tire and Wheel Replacement

- 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.
- It is best to replace all four tires at once. 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 a BYD authorized dealer or service provider. Please consult a BYD authorized dealer or service provider before replacing the wheels.

🔂 Tip

Observe the following instructions, otherwise it will lead to typical handling hazards, which will cause the vehicle to lose control.

- Do not mix radial tires, bias belted tires or diagonal ply tires.
- Only use the tire sizes recommended by the manufacturer.

Fuses

All vehicle circuits are provided with fuses to prevent short circuits or overloading. These fuses are mounted in the motor compartment in front cabin switchboard and dashboard panel switchboard, respectively. Fuse diagrams showing the correspondence between the fuses and their respective parts are stuck to the fuse boxes.

- The fuse under the hood is located on the rear left side of the motor compartment. To open it, remove the trim first, and press the latch:
- The dashboard panel fuse under the driver side is located on the left side of the dashboard. Remove the body fuse under the dashboard panel to repair.
- Replacement of blown fuses with ones of higher amperage can increase the likelihood of damage to the electrical system.
- If there is no spare fuse in the same amperage, use a fuse with a lower amperage instead.



- Do not use a fuse with a higher rated ampere value, or any other solution to replace the fuse, as this may cause serious damage or even a fire.
- If a fuse blows, go to a BYD authorized dealer or service provider for inspection or replacement.



Under Hood PDB Nameplate



Number	Ampere (A)	Protected Component or Circuit	
F1	60	PTC3	
F2	-	-	
F3	-	-	
F4	-	-	
F5	-	-	
F6	-	-	
F7	-	-	
F8	-	-	
F9	15	High-voltage all-in-one	
F10	-	-	
F11	-	-	
Number	Ampere (A)	Protected Component or Circuit	
--------	------------	--------------------------------	--
F12	7.5	Electric compressor	
F13	-	-	
F14	-	-	
F15	5	Brake light switch	
F16	60	PTC2	
F17	-	-	
F18	30	PTC1	
F19	-	-	
F20	30	Rear windshield defroster	
F21	30	Front wipers	
F22	-	-	
F23	15	Auxiliary power outlet	
F24	15	USB	
F25	10	USB	
F26	-	-	
F27	15	Auxiliary power outlet	
F28	15	USB	
F29	-	-	
30	60	ESC	
F31	-	-	
F32	-	-	
F33	15	High-voltage all-in-one	
F34	-	-	
F35	5	Rear body controller	
F36	-	-	
F37	7.5	ETC	
F38	10	SRS	
F39	5	ADAS	
F40	-	-	
F41	5	EPS	

Number	Ampere (A)	Protected Component or Circuit
F42	5	ESC
F43	-	-
F44	60	ESC
F45	40	Blower
F46	-	-
F47	-	-
F48	10	Rear wiper
F49	200	Batteries
F50	70	C-EPS
F51	-	-
F52	-	-
F53	60	Electric fan



Dashboard Panel PDB Nameplate

Number	Ampere (A)	Protected Component or Circuit
01	30	Rear body controller
02	-	-
03	7.5	Thermal management integrated module
04	10	Diagnostic port
05	5	Instrument cluster
06	5	High-frequency receiving module

Number	Ampere (A)	Protected Component or Circuit	
07	5	Shift panel	
08	20	Infotainment system	
09	15	External power amplifier	
10	5	ADAS	
11	7.5	Combination switch	
12	-	-	
13	-	-	
14	-	-	
15	-	-	
16	-	-	
17	15	On-board charger	
18	-	-	
19	30	Rear body controller	
20	30	Rear body controller	
21	30	Front left	
22	30	Front right	
23	-	-	
24	-	-	
25	-	-	
26	-	-	
27	-	-	
28	-	-	
29	-	-	
30	-	-	
31	-	-	

🔁 Tip

Different vehicle configurations have some different fuse amperages (such as multimedia). Maintenance and replacement should be based on the actual object.

When Faults Occur

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If Smart Key Battery is Exhausted

If the smart key indicator does not flash and the vehicle can't be started using the start function, the smart key battery may be exhausted. In this case, contact a BYD authorized dealer or service provider as soon as possible to change the battery. At this time, the vehicle can be started in no-power mode.

A Note

- Do not expose the key to high temperatures.
- Protect the key from impact.
- Keep the key away from magnetic fields.
- When doors are locked and the vehicle is in anti-theft mode, keep the key away from the vehicle, as the vehicle's automatic card search function will drain the low-voltage battery power.
- 1. Use the mechanical key to unlock the vehicle.
- 2. Depress the brake pedal and meanwhile press the Start button. Then, the smart key warning light goes on and the speaker in the vehicle beeps once.
- Keep the electronic smart key close to the no-power mode sign within 30 seconds after the speaker beeps. Then the smart key warning light goes out, and the vehicle can be started within 5 seconds.



Emergency Shutdown System

- The emergency shutdown system is activated and the high-voltage system is automatically shut down when the following conditions are met:
 - Airbags do not deploy after a frontal collision.
 - There is a rear collision.
 - The vehicle system is faulty.
- If any of the above collisions and vehicle system failures occur, the OK indicator goes off.
- Activating the emergency shutdown system in the noted types of collision minimizes the risk of injuries or accidents.
- Once the emergency shutdown system is activated, the vehicle system cannot be switched into OK status. In that case, contact a BYD authorized dealer or service provider for help. Even if the ignition switch is set to the OK position, the system will be turned off immediately. 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:

- 1. Set the ignition switch to the OFF position, and leave the vehicle.
- 2. On the precondition that personal safety is ensured, if the fire is small and slow, use a dry powder fire extinguisher to put out the fire, and call for help immediately.
- 3. If the fire is large and growing quickly, stay away from the vehicle and call the fire brigade, informing them that the vehicle is equipped with a high-voltage battery pack, and wait for rescue.

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A Note

- Wear insulated gloves; Use the specified type of fire extinguisher. Using water or an incorrect fire extinguisher to extinguish the fire may result in electric shock.
- In the case of special circumstances resulting in flying projectiles (such as interior trimming parts, glass, etc.) stay away from the vehicle. Contact a BYD authorized dealer or service provider to go to the site to deal with it.

Battery Leakage Rescue

If there is battery leakage, if there is an acrid smell, or if there is visible acid flow or smoke after a collision:

- 1. Set the ignition switch to the OFF position, and disconnect the battery under the hood if conditions allow.
- 2. Call a BYD authorized dealer or service provider and the fire brigade, informing them that the vehicle is equipped with a high-voltage battery pack, and wait for rescue.

In Case of Collision

In case of collision, continue to operate the vehicle as follows according to the actual situation:

- 1. Set the ignition switch to the OFF position, and disconnect the battery under the hood if conditions allow.
- 2. Call a BYD authorized dealer or service provider, and wait for rescue.
- 3. Carry out a simple inspection, if conditions allow: check whether any edge of the power battery tray is cracked and whether any obvious liquid flows out.

- Damage to high-voltage components is not identifiable in all cases. Do not handle damaged components or touch them with jewelry or other metal objects.
- If there is skin 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 discomfort persists, seek medical help immediately.
- Do not touch the orange high-voltage cables or other high-voltage components. Only authorized repair personnel is allowed to work on high-voltage systems.
- Do not damage, modify, disassemble, or disconnect the orange high-voltage cables from the high-voltage grid.
- Inform the firemen and rescue personnel that the vehicle is equipped with a high-voltage battery pack.

Marning

- Do not touch the leaked fluid. Stay away from the vehicle.
- Do not dispose of the leaked fluid in water or soil.
- This vehicle uses high voltage DC power supply. The system can generate high heat before and after the vehicle is started or powered off. Beware of high temperatures.
- Do not disassemble, move, or change any high voltage battery part or connecting wire, as the connector can cause serious burns or electric shock. The orange cables are part of the high voltage harness. Users must not repair the high voltage system by themselves. If any repair is required, go to a BYD authorized dealer or service provider for repair.
- The remote control key and high voltage components may harm personnel carrying medical devices.

If the Vehicle Needs Towing

If the vehicle needs to be towed, contact a BYD authorized dealer or service provider, a professional towing service, or a roadside assistance service, if there is prior membership.

A Warning

The vehicle must not be towed by other vehicles using only ropes or chains.

Common towing methods include:

- Flatbed trailer
 - When the vehicle is faulty and needs towing, a flatbed trailer is the best choice. There may be damage to high-voltage components if one of the front wheels touches the ground.



Towing Hook

The installation position of vehicle towing hook is as shown.

- 1. Pry it open with a cross screwdriver.
- 2. Install the towing hook in the towing hole.



🔂 Tip

Towing the vehicle with the towing hook is not recommended.

🕑 Tip

Only the vehicle's original towing hook is to be used.

In Case of a Flat Tire

- In case of a flat tire, slow down, keep straight and move off the road to a safe place.
- Park on solid, flat ground and avoid highway forks.
- Pull the EPB switch and press the "P" button.
- Power off the vehicle and turn on the hazard warning light.



- All passengers on-board must leave the vehicle to a safe location away from heavy traffic.
- To prevent slipping, secure the vehicle by wedging the tire diagonally against the flat tire.

A Note

Do not continue driving the car with a deflated tire. Driving even a short distance can cause too severe damage for the tire to be repaired.

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In-Vehicle Tools

The in-vehicle tools are stored in the toolkit under the trunk cover.

In-vehicle tools include: warning triangle, reflective vest, lug nut cover removal clamp, tire repair device, towing hook, and other tools.



🔂 Tip

If the vehicle breaks down and an emergency stop is needed, promptly put on the reflective vest.

Placing warning triangle

🔂 Tip

When parking for repair, remember to place the red triangle side facing oncoming vehicles, 100-200 m away from the vehicle.

The warning triangle is important to alert oncoming vehicles and prevent accidents.

Warning triangle use:

- 1. Remove it from its box.
- 2. Attach the ends to form a triangle.
- 3. Mount the supports as shown.



Automatic Tire Sealant*

The tire sealant is used to seal small cuts, especially tread cuts or punctures. It is just an emergency solution for driving to the nearest service provider, and only for short emergency stretches, even if the tire is not deflated.

Warning

- At most, the tire sealant can repair holes within 6 mm in diameter. If the diameter is larger than 6 mm or the hole is in another position on the tire, do not use this product. Call for roadside assistance.
- Tire sealant is highly flammable and harmful to health. Take the necessary precautions to prevent fire and avoid contact with skin, eyes and clothing; keep away from children; and do not inhale its vapor.

When coming into contact with tire sealant:

- If the tire sealant comes into contact with the skin or gets into the eyes, thoroughly rinse 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, rinse mouth thoroughly and drink plenty of water immediately. Do not induce vomiting; seek medical attention immediately
- For further information, refer to the manual supplied with the automatic inflating tire sealant, or scan the QR code on the manual to view the operation video.

🔂 Tip

Using tire sealant on damaged tires is only an emergency repair method. Please go to a professional maintenance center to replace the tire as soon as possible. Contact a BYD authorized dealer or When Faults Occur

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Tip

service provider, and inform the maintenance technician that tire sealant has been used.

- Quick acceleration and turning at higher speeds must be avoided.
- Do not exceed the 80 km/h maximum speed limit. While driving, if the vehicle vibrates strongly, the driving performance is unstable or there is noise, stop driving.
- When the tire sealant is about to expire (see the label on the can for the exact date), replace it with a new one.
- After using the tire sealant, buy a new one at a BYD authorized dealer or service provider.

Using the Spare Tire*

Changing a Tire

The spare tire is stored in the trunk.

Removing the spare tire:

1. Unscrew and remove the bolts with the notch at the end of the wheel wrench grip. Take out the spare tire from the trunk.

For storage, place the spare tire with its outside facing downward. Secure the tire by following the reverse order of the removal steps specified above, to prevent it from sliding forward in a collision or emergency braking.



Wedging the wheel:

2. Before jacking up the vehicle, wedge the tire diagonally against the flat tire, to prevent the vehicle from rolling.

To do so, place the wedges in front of the front wheels or behind rear wheels.



Loosening lug nuts:

3. Loosen all the lug nuts on the flat tire.

- Loosen lug nuts before lifting the vehicle.
- Remove the lug nut covers on the flat tire using a cover removal clamp.
- Loosen the nuts by turning them anticlockwise.
- Hold the end of the wrench and pull it up. Be sure not to let the wrench slide off the nut.
- Instead of removing the nuts, loosen them by one and half a circle.





A Warning

Do not apply motor oil or lubricant on bolts or nuts, otherwise, loose nuts resulting thereof may cause the wheel to come off and lead to severe accidents.

Locating the jack:

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4. Place the jack under an appropriate jacking point as shown.

Be sure to place the jack on firm and flat ground.



A Warning

The following must be observed during jack raising, to reduce the likelihood of injuries:

- Do not put any part of your body under the vehicle supported by the jack, which otherwise may cause injuries.
- Do not power on the vehicle when jacking it up.
- Park the vehicle on flat and firm ground. Enable parking control and engage the gearshift lever to the neutral gear. If necessary, place a block under the tire diagonally against the tire to be changed.
- Make sure that the jack is at a right jacking point. Lifting the vehicle at an incorrect jacking point will damage the vehicle or cause it to slip down from the jack, resulting in injuries.

Jacking up the vehicle:

5. After confirming that the vehicle has no passenger onboard, lift it to a height suitable for installing the spare tire.

Installing the spare tire requires a greater height off the ground than removing the flat tire does.



To lift the vehicle, insert the jack lever into the jack, and twiddle the lever clockwise.

When the jack is in contact with the vehicle and begins to lift it, check again whether the jack is correctly positioned.

Warning

No is allowed to be under a vehicle supported only by the jack.

Changing the wheel:

- 6. Remove lug nuts and change the tire.
- Remove the flat tire and put it aside.
- Roll the spare tire to the installation position, align the bolts to the wheel holes, and lift the wheel until the bolt on the top go through the screw hole.
- Turning the tire and push it backward until other bolts go through the screw holes.
- Before installing the wheel, brush all the corrosive substances off the installation surface with a wire brush or other tools.
- If the wheel is installed such that the tire metal surface and the metal surface are in poor contact, the loose nuts resulting thereof may cause the wheel to come off while the vehicle is in motion.

Installing lug nuts again:

- 7. Install all the lug nuts again.
- To intall the lug nuts (with the wedge-shaped end inside), fasten the lug nuts by hand first, then push the wheel backward to check if they can be tighter.



A Warning

Do not apply motor oil or lubricant on bolts or nuts, otherwise the nuts will be over-tighented and the bolts will be damaged. Loose

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A Warning

nuts resulting thereof may cause the wheel to come off and lead to severe accidents.

Motor oil or lubricant on the bolts or nuts must be removed.

Lowering the vehicle:

- 8. Lower the vehicle completely and fasten lug nuts.
- Lower the vehicle by twiddling the jack lever anti-clockwise.
- Nuts can only be fastened by using a lug nut wrench. Do not use other tools or any levering tools other than your hands, such as hammers, tubes, or your feet.



- Make sure the wrench is securely clamping around the nut.
- Follow the indicated order to fasten the nuts alternatively and bit by bit, and repeat the procedure until they are tight.

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Vehicle Parameters

Vehicle Parameters

Dimensions:

Length (mm)	4455
Width (mm, excluding side mirrors)	1875
Height (mm)	1615
Wheelbase (mm)	2720
Front track (mm)	1575
Rear track (mm)	1580
Front overhang (mm)	888
Rear overhang (mm)	847
Approach angle (°)	19
Departure angle (°)	24

Vehicle mass parameters:

Model	SC2EQ-1	SC2EQ-2
Curb weight (kg)	1640	1700
Max. allowable total mass (kg)	2050	2110
Front axle load at max. allowable total mass (kg)	1035	1035
Rear axle load at max. allowable total mass (kg)	1035	1095
Number of passengers	5	5

Drive motor parameters:

Drive motor model	TZ200XSQ
Drive motor type	Permanent magnet synchronous motor
Drive type	4x2 front-wheel drive

Rated power/revolving speed/torque of drive motor (kW/RPM/N•m)	65/4433/140
Peak power/revolving speed/torque of drive motor (kW/RPM/N•m)	150/4620/310

Power performance parameters:

Max. design speed (km/h)	160
Max. gradeability (%)	30

Vehicle economic parameters:

Model	SC2EQ-1	SC2EQ-2
Power consumption per 100 km under comprehen- sive working conditions (kWh/100 km)	≤14.8	≤14.9
Driving range under comprehensive working conditions (km)	410	480

A Note

Actual power consumption depends on factors such as vehicle conditions, road conditions and driving habits.

Wheel and tire parameters:

Tire specifications	215/55R18; 215/60R17
Tire pressure (kPa)	250
Wheel balance (g)	≤10

Wheel alignment values (under curb weight):

Front wheel camber (°)	-0.9±0.75
Total front wheel toe-in (°)	0.116±0.16
Kingpin inclination angle (°)	11.47±0.75
Kingpin caster angle (°)	3.23±0.75
Rear wheel camber (°)	-1.07±0.5
Total rear wheel toe-in (°)	0.17±0.2

Braking system technical parameters:

Free stroke of brake pedal (mm)	≤5
Reasonable thickness range of front brake disc (mm)	24~26
Reasonable thickness range of rear brake disc (mm)	10~12
Reasonable thickness range of front brake lining (mm)	2~8
Reasonable thickness range of rear brake lining (mm)	2~6.5

Power battery parameters:

Туре	Lithium iron phosphate battery
Rated capacity (AH)	150

Fluid parameters:

Maintenance Item	Туре
Gear transmission oil type	Castrol BOT384 (recommended), Castrol ON D2
Gear transmission oil amount (mL)	600±50
Motor refrigerant type	Glycol organic acid refrigerant -25/-40
Motor refrigerant amount (L)	3.9±0.1L
Brake fluid type	DOT4 or HZY6
Brake fluid amount (mL)	1050±50

Seat parameters (when measuring seat depth):

Seat back angle set for front seats	23°
Front and rear seat positions set for front seats	200 mm forward and 60 mm backward from designed position; slide rail inclina- tion: 4.5°
Normal service conditions of front seat backs	Seat backs 22.5° forward and 52.5° backward from designed position
Seat back angle set for rear seats	27°
Front and rear seat positions set for rear seats	Design condition, not adjustable (lay down when unlocked)

Normal service conditions of rear seat backs	27°
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Vehicle Identification

Vehicle Identification Number (VIN)



- ① Attached on the gearbox;
- ② Attached on the sheet metal surface inside the hood;
- ③ Attached on the lower right side of the trunk sheet metal;
- ④ Attached on the VIN slot on the upper cover of the left front windshield cross sill;
- ⑤ Attached on the sheet metal clad of the right rear wheel envelop;
- ⑥ Attached on the sheet metal surface inside the left rear door sill;

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 \bigcirc Attached on the sheet metal surface at the lower left corner of the front left door;

(8) Attached on the sheet metal surface of the front anti-impact beam;

VIN is engraved on the lower beam of the front right seat.



Note: TheVehicle Identification Number (VIN) can be read in the upper right corner after selecting the model by connecting the VDS. For details, please refer to the VDS operation manual.

Vehicle Nameplate

It is attached to the metal sheet surface below the right B pillar and contains the following information:

Company name, brand, country of manufacture, vehicle model, seating capacity, year and month of manufacture, drive motor model, peak power of drive motor, rated voltage of high voltage battery system, rated capacity of power battery system, vehicle identification number, and maximum allowable total weight.



Drive Motor Model and Number

(1) The model and number of the drive motor are located near the lock ring right under the hood.



Warning Labels

(1) A/C system and cooling fan sticker

(2) Battery position sticker



Side airbag warning labels are attached below the left and right B-pillar lock rings.



Airbag warning labels are printed on the front and back of the right sun visor.



A Warning

- NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it.
- DEATH or SERIOUS INJURY to the CHILD can occur.

The tire pressure labels are attached below the left B-pillar lock ring.



The child protection lock logo is engraved on the metal sheet surface on the left/right rear door.



The usage tip sticker of the charging connector is attached to the inner surface of the charge port hatch.



High voltage label

(1) Attached to the upper safety cover of powertrain power controller, and small cover of motor rear bracket;

(2) Attached to the AC charging line in front cabin;



(3) Attached to the distribution line;

(4) Attached to top of the front seal cap of battery pack.

Transponder Mounting Position

The transponder mounting position is located in the upper left of the front windshield.



A Note

While affixing the electronic labels, do not overlap them with any glass frame or other object.

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Abbreviations				
Termi- nology	Name	Termi- nology	Name	
ECU	Electronic Control Unit	ISOFIX	International Standards Organiza- tion Fix	
EDR	Event Data Recorder	ABS	Antilock Braking System	
AUTO	Automation	ACC	Adaptive Cruise Control	
USB	Universal Serial Bus	ECO	Ecology, Conservation, Optimiza- tion	
NORM AL	Normal	SPORT	Sport	
SOC	State of Charge	AVH	Auto Vehicle Hold	
EPB	Electronic Parking Brake	PCW	Pedestrian Collision Warning	
AEB	Automatic Emergency Braking	BSD	Blind Spot Detection	
DOW	Door Open Warning	TPMS	Tire Pressure Monitor System	
ESC	Electronic Stability Controller	VDC	Vehicle Dynamics Control	
TCS	Traction Control System	HHC	Hill Hold Control	
HBA	Hydraulic Brake Assit	CDP	Controller Deceleration Parking	
HDC	Hill Descent Control	PM2.5	Particulate Matter 2.5	
MAX	Maximum	MIN	Minimum	
VIN	Vehicle Identification Number			