



Superiority in Diligence, Sincerity in Heart

Superior and Sincere Services

The BYD Superior and Sincere Service Brand was established in 2006, inheriting the service concept of "Superiority in Diligence, Sincerity in Heart" of all after sales service providers of BYD.

All aftersales service providers of BYD will always devote to providing high-quality aftersales services to BYD's clients. It is firmly believed in the BYD Superior and Sincere Service Brand that superiority and sincerity conduce to exquisite service skills, and high sense of responsibility and earnest conduces to sincere service attitude.

Foreword

Thank you for choosing BYD passenger car; please read the manual carefully to help you normally use and maintain your vehicle.

Special note: It is strongly recommended to choose genuine spare parts and use, maintain and repair your vehicle in accordance with the requirements in the manual. For any vehicle that is replaced and modified with non-original spare parts, its performance may be affected, especially for safety and durability; and the resulted damage and performance problems will be beyond the warranty. In addition, any modification for your vehicle may not be consistent with national laws and regulations and local government regulations.

Thank you for choosing BYD passenger car; welcome your comments and suggestions. In order to ensure better services for you, please be sure to provide your accurate contact information. If there is any change, please contact BYD Auto Authorized Service Provider to update it in the system. At the same time, please pay attention to relevant national laws and regulations and local policies and regulations, and register your vehicle as soon as possible; otherwise, there may be a risk of register rejection.

In the manual, the positions marked with "Tips", "Notes" and "Warnings" must be followed carefully, to avoid any injury or damage. The representations and usages of various reminding information types are as follows:

Tip

It refers to any item that must be followed for ease maintenance.

Note

Avoid things that endanger the safety of vehicles or people.

Warning

It refers to any item to prevent any injury.



The safety mark shown on the left indicates "Not Do It" or "Not Allow Its Occurrence"

The manual is used to help you use the product correctly and does not represent any description of the configuration and software version of the product. For product configurations and software versions, please consult the contract associated with the product (if any) or consult your vendor.

To inquire for the power battery recycling network, please access the official website of BYD Auto:

<https://www.byd.com/cn/socialresponsibility/batteryrecycle.html>

For detailed product usage instructions, scan the following small program QR code.



202104 Version

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Overview of BYD Yuan Pro Passenger Car

BYD Yuan Pro is a new energy, new power and pure electric passenger vehicle, and is an environmentally friendly product strive by BYD. The body is a load-bearing type, the stringer is front-and-back through type, and the power battery pack is integrated with the body to fully guarantee the safety of the battery pack and the car.

Because Yuan Pro is driven by electric motor under various working conditions, it completely realizes zero emission in environmental protection.

The vehicle is completely driven under pure electric power conditions, so the noise inside and outside the vehicle is extremely small, which can provide users with driving and riding experiences that the fuel-driven vehicle cannot achieve.

The vehicle is designed with the safety of high-voltage systems in mind to protect the occupants during a collision.

The battery management unit can be used to monitor the power battery at all times, and adjust the power output from each battery unit based on various performance indexes, such as voltage and current, to prevents a series of faults affecting battery performance, such as overcharge, over discharge, and over temperature, and so as to ensure the battery operation under normal conditions.

100kw motor can provide high speed, high torque and strong starting acceleration for Yuan Pro.

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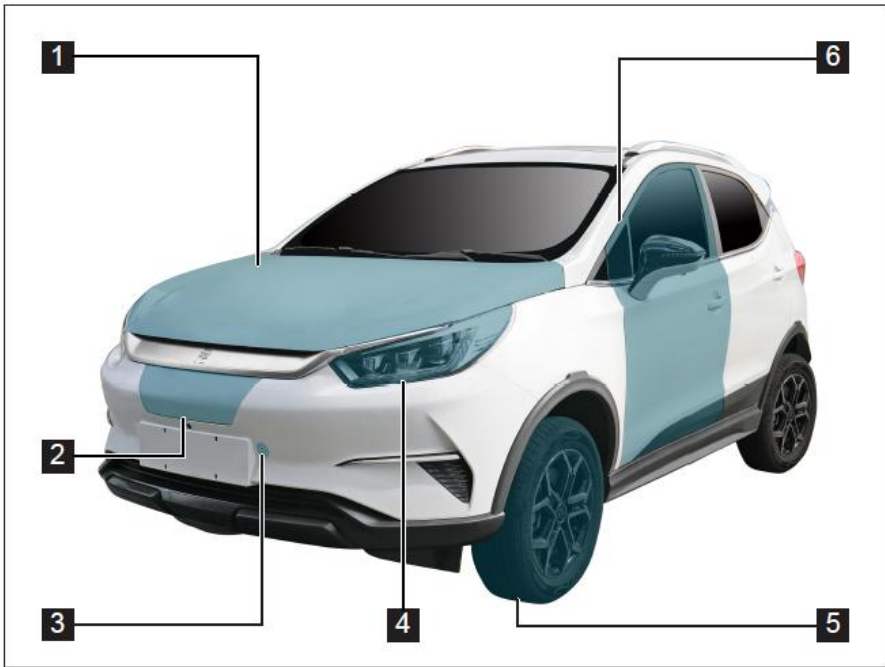
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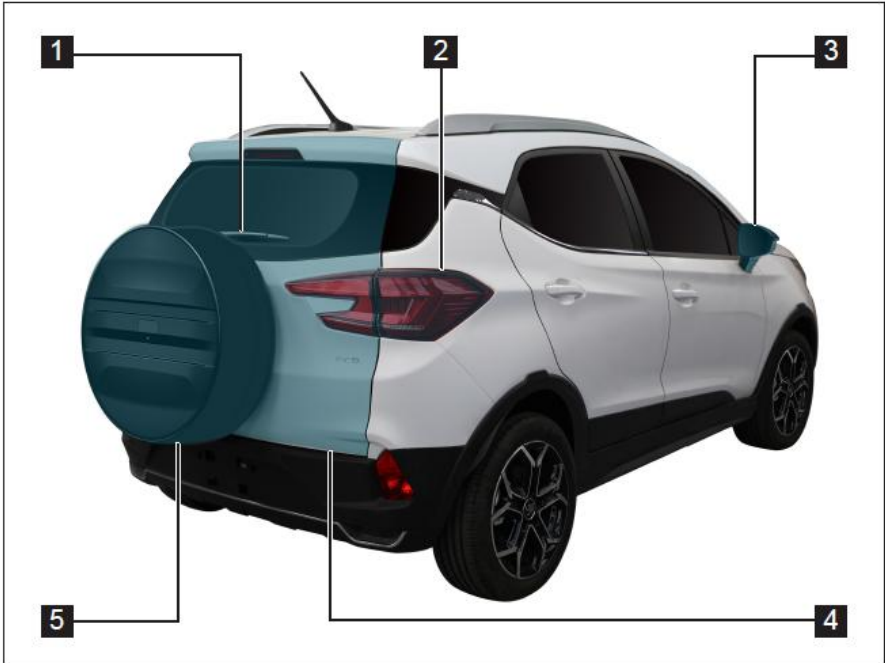
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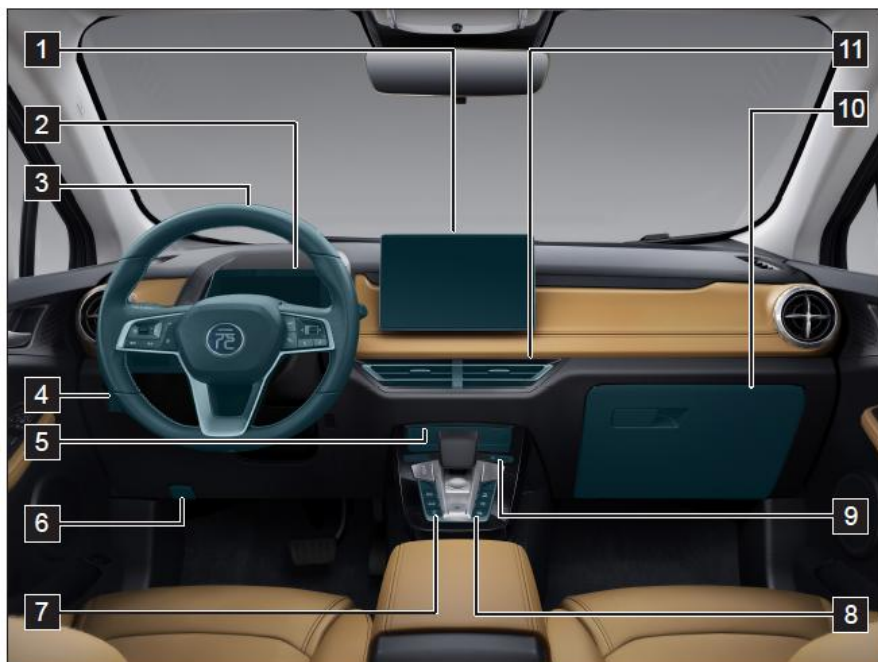
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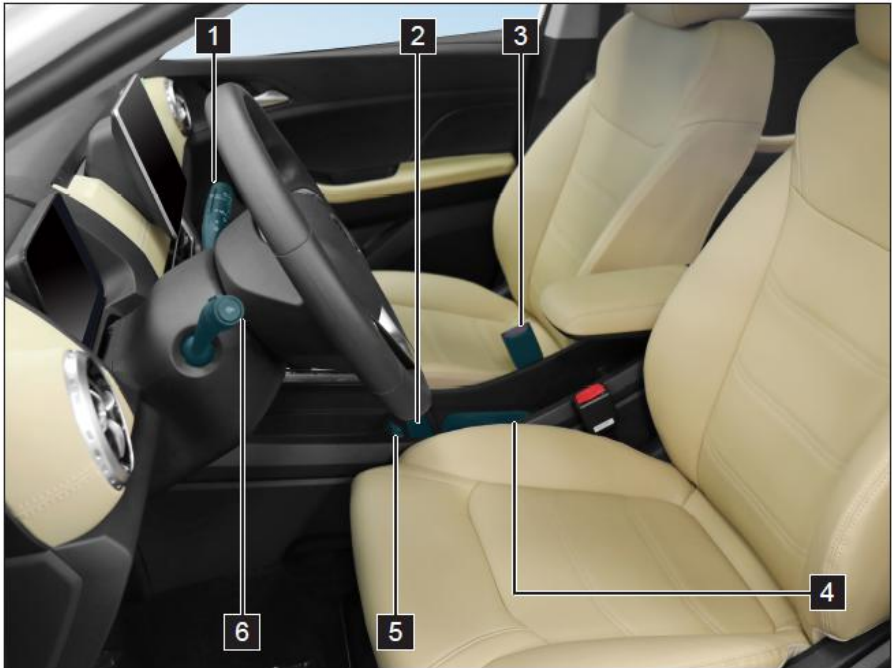
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18 1-1 Seat Belt

Introduction to the seatbelt

Studies indicate that proper use of seat belts can considerably reduce casualty of passengers in vehicles in emergency brake, abrupt turning and collision accident. Please read and strictly observe the following contents.

Note

- Before driving the vehicle, make sure that all passengers in the vehicle have properly fastened their seat belts. Otherwise, passengers in the vehicle are more liable to severe personal injury or even life threat in emergency brake or collision accident.
- The seat belts in the vehicle are mainly designed based on the body size of adults and not suitable for children. Please select suitable child restraint system based on the age and body size of your child .
- In case any seat belts are damaged or abnormal, contact a BYD Auto Authorized Service Provider for confirmation and handling immediately and do not use corresponding seats before such confirmation and handling.

- BYD highly stresses that the driver and passengers on-board should fasten seat belts at all times, failure to do this will increase the possibility of injury or severe injury in accident.
- The seat belts equipped with vehicles are designed for adults. Please choose the appropriate seat belts according to the situation.
- Children must sit in the rear seat and fasten their seat belts for protection. According to accident statistics, children who are in the rear seats and use child restraint system correctly are safer than those who are in the front seats.
- Do not let children stand up or kneel on the rear seat. Otherwise, emergency braking or collision will cause severe injury or even life threat to such unprotected child. Similarly, don't let children sit on their legs, so as to avoid that children can't be fully protected in case of emergency braking or collision.

Emergency locking retractor (ELR) function of seat belt

- In case of sharp turn, emergency braking, collision or quick forward tilt of any passenger, the seat belt will automatically locks up to effectively restrain and protect the passenger. When the vehicle travels smoothly, the seat belt will be pulled out or retracted as the passenger moves slowly and stably to allow the passenger to move freely.
- If you can't pull out the seat belt from the retractor, please tighten the seat belt and release it, so that you can pull out the seat belt from the retractor smoothly.

Automatic locking (ALR) function of seat belt (if any)

The automatic locking (ALR) function of the seat belt can be used to fix the child restraint system. The locking function can be active by pulling out all the seat belt. After the locking function is active, the seat belt can only be rolled back but not pulled out, and there will be a continuous clicking sound when rolling back. After the seat belt is completely rolled back, the automatic locking function is automatically turned off, and the seat belt can be pulled out and rolled back freely. If you cant pull out the seat belt from the retractor, please tighten the seat belt and release it, so that you can pull out the seat belt from the retractor smoothly.

 Tip

- Please confirm that the automatic locking function has been activated when using the seat belt automatic locking (ALR) function to fix the child restraint system.
- The automatic locking function can be active by pulling out all the seat belt. After the locking function is active, the seat belt can only be rolled back but not pulled out, and there will be a continuous clicking sound when rolling back.

Seatbelt preload limiting function (if any)

In case of a serious frontal collision and when the triggering conditions of the preloading device are met, a part of the seatbelt can be quickly retracted and locked with the preloading device to enhance the protection for the passenger. The preload limiting device can limit the restraining force of the seatbelt to the passenger body to a certain extent, to avoid damage to the passenger due to excessive restraining force.

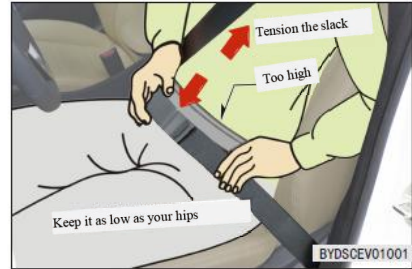
20 1-1 Seat Belt

Use of Seatbelt

1. Adjust the seat to the proper position and adjust the backrest to the proper angle. (See the seat adjustment method)

2. Adjust the three-point seatbelt position.

- Pull out the seat belt smoothly, so that it crosses the shoulder near the position where the seat belt is pulled out and crosses the chest obliquely. The seat belt should not be under the arm or crossed from behind the neck.
- The waist belt should be kept as low as the hip, and do not buckle at the waist.

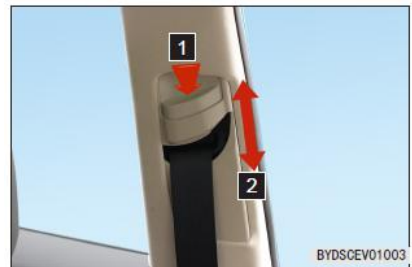


3. Insert the latch into the buckle until a click is heard, and pull the latch in the opposite direction to confirm that the seatbelt is locked successfully. Note that the seatbelt cannot be twisted.



4. Adjust the seatbelt height adjuster (front row) to the appropriate position for optimum comfort and protection.

- 1 Press the seatbelt height adjuster to release the button.
- 2 Hold the height adjuster and move it up and down to the appropriate height and release the seatbelt height adjuster.



5. After the adjustment is completed, pull the shoulder belt firmly to confirm that the seatbelt height adjuster is locked.

i Tip

- The shoulder belt should cross the middle of the shoulder. The seatbelt should be away from the neck and cannot easily slip off from the shoulder, otherwise, the seatbelt will not perform its proper protection and even a serious injury may occur in case of an emergency braking or accident.
- The waist belt should be as low as possible to cross the hip to avoid any injury when the abdomen is tightened by the seatbelt excessively.
- The seatbelt should be in close contact with the body for better protection.

Unlocking of seatbelt

When the red unlocking button on the buckle is pressed, the latch will be popped out and the seatbelt will be retracted automatically.

**i Tip**

- When unlocking the seat belt, hold the lock tongue in one hand and press the red unlock button on the buckle with the other hand, and the seat belt will roll back automatically.
- Do not insert coins, paper clips or any other foreign objects in the buckle to avoid effect on the correct connection between the latch and the buckle.
- Seat belts must be kept clean and dry. If cleaning is needed, use neutral soapy water or warm water. It is forbidden to use bleach, dyes or abrasive cleaning agents, which seriously weaken the performance of seat belts.

22 1-1 Seat Belt

Note

- Seat belts can only be used by one person alone at the same time. Do not share a seat belt with two or more people, even children.
- Avoid excessive tilting of the seat backrest. When the seat backrest is upright, the seatbelt can provide the best protection.
- Do not pinch the seatbelt, latch or buckle in the door; otherwise the seatbelt may be damaged.
- Regularly check whether the safety belt for cutting traces, wear, looseness or any other abnormality. In any case of an abnormality, please contact BYD Auto Authorized Service Provider for confirmation and handling immediately; do not use the appropriate seat before confirmation.
- Do not remove, disassemble or modify the seatbelt without permission.
- It is recommended to check the seatbelt at BYD Auto Authorized Service Provider in any case of an accident. If the pretension function is activated, the seat belt must be replaced.
- If a serious accident occurs, even if the seat belt or seat is not obviously damaged, it should be replaced together.
- The pregnant women should also wear the seatbelt with the correct method; especially, the waist belt should across the hip as far as possible to be low, to avoid serious injuries of the pregnant women and the fetus due to excessive tightening of the waist belt in case of an accident.

Introduction to the Airbag System

- The SRS is a part of the auxiliary restraint system, which is a supplement to seats and seat belts. The SRS of this vehicle can provide additional protection to the head and chest of driver and passengers and reduce casualties in serious frontal collision accidents.
- Based on the types of collision, the airbag system includes generally front airbag and side airbag. The front airbag includes the driver airbag and the front passenger airbag, and the side airbag includes the front seat side airbag and the curtain airbag.
- The airbag system cannot replace the seat belt, it is an integral part of the vehicle's entire passive safety protection system.
- Only when the airbag works with the fastened seat belt can the airbag system play the most protective role. Therefore, in order to ensure the safety of you and your family, please pay special attention to the Attention and Warm Tips in this section.

Tip

- When the vehicle is traveling, please always use the seat belt.
- Please maintain the correct sitting attitude to maximize the protection of the seatbelt and the airbag system.
- Children are strictly prohibited from sitting in the front seat.
- Do not disassemble the airbag without permission.
- The use of the seat covers other than our genuine products may result in performance reduce of the airbags or accidental injuries. Do not place any item between the side airbag and the passenger.
- Do not apply an excessive force on the side of the seat with the side airbag.

Driver and front passenger airbags



If your vehicle is equipped with SRS AIRBAG auxiliary protection device (SRS AIRBAG), include the driver and front passenger side airbags. During driving, when a moderate to severe front collision and the airbag triggering conditions are met, the airbags will be triggered to reduce your injury.

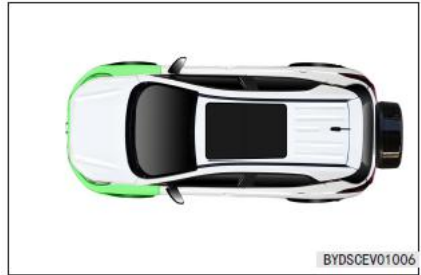
Activation process of front airbag

- If there is a moderate to severe frontal crash, the sensor will sense that the vehicle is decelerating sharply and send a signal to the control device to inflate the frontal airbag immediately.
- When a frontal crash occurs, the seat belt can help fix your lower body and torso to keep you in place. The airbag is equivalent to an air cushion to help stabilize and protect your head and chest.
- When the severity of the impact cannot reach the critical value of airbag inflation, the seat belt will provide the main protection function, and the airbag will provide little auxiliary protection.

- The front airbag will be deflated immediately after inflation, which will not affect the drivers sight and ability to operate the steering wheel or other control devices.
- Airbag deployment can be completed at high speed within one thousandth of a second, thus providing extra protection for drivers and passengers in accidents.
- When the airbag is deployed, it will make a loud noise, which generally won't cause harm (but it can not rule out the possibility of tinnitus or temporary deafness, which will soon recover).
- After the crash, you may see smoke, which is powder from the surface of the airbag. Although this powder is nontoxic, passengers with respiratory diseases may still feel some temporary discomfort.

In the following conditions, contact a BYD Auto Authorized Service Provider immediately:


1. The airbag has been inflated.
2. When the front of the vehicle (shown in the green part) encounters an accident, it fails to cause SRS airbag deployment.



3. The front passenger air bag shield is broken, split or otherwise damaged.



26 1-2 Airbag System

4. The SRS warning light  on the combination instrument illuminates abnormally.
 - The airbag system is monitored by the electronic control unit and has the function of self-diagnosis. The airbag warning lamp on the dashboard displays the system status:
 - With the power in the OK mode, the airbag warning lamp lights up for about 5s, and then goes out for more than 5s, indicating that the system is normal.
 - If the airbag is turned off, the warning lamp is always on, but it has no protection function.



Note

The following situations indicate that the airbag system is faulty:

- With the power in the OK mode, this warning light off.
- After the power is in OK, the warning lamp will not go out after 5s, or it will light up again after it goes out.
- With the power in the OFF mode, this warning light stays on.
- During the driving of the car, the warning lamp lights up or flashes. If something goes wrong, it is recommended to drive the vehicle to a BYD Auto Authorized Service Provider for inspection as soon as possible.

Front Passenger Seat Side Airbag(if any)

If your vehicle is equipped with the driver and front passenger side airbags (as shown on the right figure, the airbag is arranged on the outside of the driver and front passenger seat backrests and marked with "SRS SIDE AIRBAG"). During driving, when the airbag system ECU senses a moderate to severe side collision and the airbag triggering conditions are met, the airbags will be triggered to protect the chests of the occupant on the collision side to reduce the injury.



Side airbag activation process

- In case of lateral collision, only the air bag on the side suffering the collision will deploy in general.
- If a collision occurs on the passenger's side, if no passenger sits on the seat, the front passenger seat side air bag will also deploy.
- To obtain the optimum protection from the side air bag, the passenger must fasten the seat belt and sit upright and against the backrest.

Tip

- Do not allow the seat backrest to be wet by water. If it is wet by rain or sprayed water, the normal operation of the side air bag system may be affected.
- Do not cover or replace the seat back cover by yourself without consulting with BYD Auto Authorized Service Provider . Inappropriate seat backrest cover substitute or covering can affect the deployment of the seat side air bag during a collision.

Side Curtain Air Bags (if any)



If the vehicle you select is equipped with left and right side curtain air bags (as shown in the figure above; the air bags are positioned in the areas where the side walls and roof are connected and the A-pillar, B-pillar and C-pillar shields are marked with "SRS AIRBAG"),

- During driving, when the airbag system ECU senses a moderate to severe side collision and the airbag triggering conditions are met, the airbags will be triggered to protect the head of the occupant on the collision side to reduce the injury.
- In case of lateral collision, only the air bag on the side suffering the collision will deploy in general.
- To obtain the optimum protection from the side curtain air bag, the passenger must fasten the seat belt and sit upright and against the backrest.

SRS Triggering Condition and Precautions

- SRS triggering conditions: Triggering of the SRS depends on some decisive factors relevant to the collision intensity, type of accident, collision angle, obstacle and vehicle speed when a collision accident occurs. When a special collision accident occurs, the SRS may be triggered.
- The SRS may not function in any accident. It will not be triggered generally in case of slight frontal collision, rear-end collision or overturn. In this case, the driver and passengers can be protected normally by properly wearing seat belts.
- Decisive factors for triggering SRS: A comprehensive comparison and judgment will be made between the set value and a deceleration curve produced in a collision and obtained by the ECU. If the deceleration curve or any other signal produced and detected in collision is lower than relevant reference value preset in the ECU, the SRS will not be triggered even if the vehicle may have been severely deformed in the accident.
- BYD Auto has fully considered the common misuse and road conditions in the country in setting the SRS ECU. However, as the reasons and forms of collision accidents vary, for the sake of your safety, please strictly observe this manual, correctly operate the vehicle and avoid misuse; otherwise, the expected effect of the SRS cannot be guaranteed.

30 1-2 Airbag System

Conditions where SRS may be triggered(if any)

The vehicle front end hits the ground after passing over a deep pit.



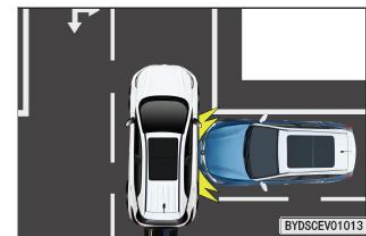
The vehicle hits a kerb projection, kerbstone or any others.



The vehicle front end hits the ground when the vehicle goes downhill.



The vehicle suffers lateral collision by another vehicle.



Conditions in which air bags may not deploy (if any)

The vehicle hits a concrete column, wood or any other long and slender object.



The vehicle hits the lower part of a truck.



The vehicle suffers rear-end collision by another vehicle.

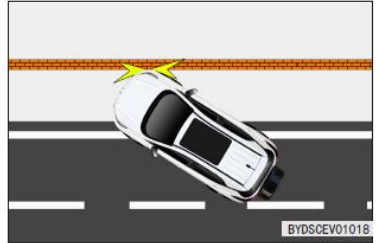


The vehicle overturns.

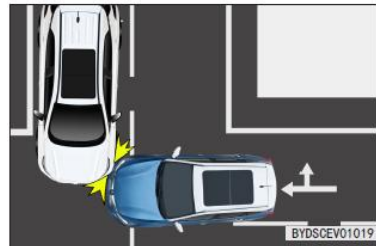


32 1-2 Airbag System

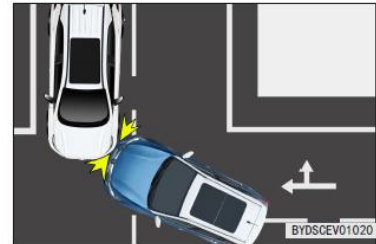
The vehicle hits a wall or another vehicle on a part other than the front part.



A part other than the passenger compartment of the vehicle suffers a lateral collision.




A side of the vehicle suffers an oblique collision.



The vehicle hits a post on the side.



 **Warning**

- The SRS is developed to match the specific vehicle model. Any modification of the suspension, tire size, bumper, chassis or equipment installed by the manufacturer will adversely affect the SRS. Do not fit any component of the SRS to any other vehicle; otherwise, the SRS may fail, causing personal injury.
- When the vehicle is traveling, please fasten the seat belt and keep the correct sitting posture. If you fail to fasten the seat belt or keep the correct sitting posture or if you tilt forward during driving, the deployment of the air bag will aggravate the risk of injury when an accident occurs.
- The driver should keep his/her chest at least 25 cm from the steering wheel to obtain effective protection when the SRS is triggered.
- Do not affix any object to, cover with any object or make any other decorative treatment of the steering wheel trim cover surface, surface near the air bag on the right of the dashboard, A-, B- and C-pillar shield surfaces, the surface of the knee airbag shield and surfaces of accessories at the seat side air bags. Clean the surfaces with dry or slightly dampened rag only. Do not strike the surfaces with force.
- Do not allow any juvenile to sit on the front seat without protection or be held in the arms of an adult sitting on the front seat. If the SRS is triggered in an accident, severe injury or even life threat may be caused.
- Do not have other passengers, animals or objects between the driver, front passengers and the action range of the airbag. It is very dangerous for children for adults to sit in the front row with children in their arms.
- Do not install any accessories such as telephone support, cup or ashtray on an air bag trim cover or within the functioning range of an air bag, otherwise it will increase the risk of injury in the event of accidents that trigger the airbag.
- The side air bags and curtain air bags deploy rapidly with considerable impact. Therefore, do not allow any person to lean against any door when a vehicle with such air bags is traveling, otherwise, severe injury or even life threat may be caused.
- Do not place any other trims or objects to any equipment within the action range of the side curtain air bags such as the windscreen, side door glass, A-pillar shield, roof, B-pillar shield, C-pillar shield and auxiliary handrail. Such trims or objects will be flung under the strong force of the side curtain air bags in deployment or prevent the side curtain air bags from deploying normally, resulting in severe injury or even life threat.
- Do not modify any components of the SRS, including corresponding labels. Have any operation on the SRS carried out by a BYD Auto Authorized Service Provider .
- The SRS can only provide accident protection for one time. Once the SRS is triggered or damaged, be sure to replace the system.

34 1-2 Airbag System



Warning (Continued)

- Be sure to replace the SRS within 10 years since the day of its manufacture (the date of manufacture is marked on the automobile certificate), Contact a BYD Auto Authorized Service Provider for its replacement. If you replace any components of the SRS before the day due for replacement, please keep all SRS replacement records. When transferring the vehicle, please hand over to a new owner all documents delivered with the vehicle.
- When scrapping any component of the vehicle or its SRS, please observe relevant safety regulations and scrapping procedure.
- The SRS has a strong resistance to electromagnetic interference and disturbance around. However, to avoid unexpected conditions, please do not operate the vehicle in an environment with electromagnetism intensity beyond the limit required by the country.
- BYD Auto has fully considered the common misuse and road conditions in the country in airbag system of this vehicle. However, to avoid unexpected conditions, please do not to allow the bottom of the vehicle to suffer impact or drive the vehicle violently in a severe road condition.
- After a collision of the vehicle, although the airbag module is not triggered and the pre-tensioned seatbelt is not locked, the airbag computer will be encrypted in order to protect the passengers from the high-voltage risk; it is recommended to contact BYD Auto Authorized Service Provider for inspection.
- Please read this users manual carefully. If you want to transfer the car or demolish it, please inform the new owner or dismantling company that your car is equipped with airbag system and advise them to read this manual carefully.
- After the airbag system works, it should avoid direct contact with the airbag module components (otherwise, it may burn or cause physical discomfort), and it is recommended that BYD Auto Authorized Service Provider remove it. Once the airbag system works, it should be replaced with a new airbag system in time.
- The front (side) airbag system only works when there is a heavy front (side) collision. Failure to deploy the airbag system does not mean that there is a problem with the airbag system itself. Abnormal repair or failure to repair the damaged parts of the car will affect the normal work of the airbag system.
- Please don't use the seat trim that covers the inflatable part of the side airbag. These trim will hinder the normal deployment of the side airbag, thus causing serious injury or even endangering life.
- Do not disassemble or repair the A-pillar shield, roof, B-pillar shield, C-pillar shield equipped with curtain air bags. These actions will cause the system to fail or curtain air bags to deploy accidentally, resulting in severe injury or even life threat.
- For any damage caused by not following the above instructions, the manufacturer will not bear any direct or indirect losses.

Child Restraint System

Choose a set of child restraint system suitable to your child's age and body size.

Please choose a set of child restraint system suitable to your child. If your child's body size is too large to use a child restraint system, seat your child on a middle seat and wear a seat belt.

Tip

- BYD Auto highly suggests that you use a child restraint system. Studies reveal that a child restraint system installed in the rear seat is safer than in the front seat. Do not install the child restraint system on the front seat.
- The seat belts in the vehicle are mainly designed based on the body size of adults and not suitable for children. Please select suitable child restraint system based on the age and body size of your child .

When a child restraint system is not used

Please correctly fix the child restraint system to a seat. Do not place the child restraint system on a passenger seat or in the trunk arbitrarily.

Precautions:

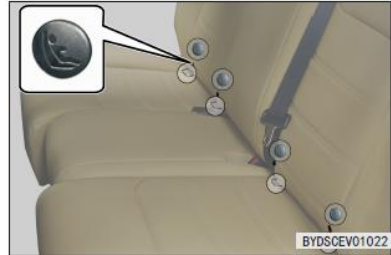
- Be sure to restrain and protect your child with a seat belt or child restraint system based on his/her age and body size to effectively protect him/her in an accident or emergency stop. Holding a child in arms cannot substitute for a child restraint system. In an accident, a child may bump against the windscreen or get squeezed between you and the compartment.
- It is forbidden to install rear-facing child restraint systems on the front passenger seat, otherwise, in the event of an accident, the impact of the rapid deployment of the front passenger airbag will cause serious injuries to children or even endanger their lives.
- For vehicles with side airbags and side curtain airbags, even if the child has been placed in the child restraint system, don't let him/her lean his/her head or any part of his/her body against the door, seat, front and rear pillars or roof side rail (where the side airbag or side curtain airbag is deployed). Otherwise, when the side airbag and the side curtain airbag are deployed, their strong impact may cause serious injuries to children or even endanger their lives.

36 1-3 Child Restraint System

Installation of Child Restraint System

ISOFIX rigid anchor (ISOFIX child restraint system)

The middle outboard seats are equipped with special anchorage levers. (A label indicating the anchorage position is affixed on the seat.)



Rigid anchor base (for top tether)

- Rigid anchor base are provided on the rear seats.
- If the child restraint system is equipped with a top tether, the top tether should be fixed to the anchor base.



Installing child restraint system with ISOFIX rigid anchor

1. Check the position of the special anchorage lever and install the child restraint system on the vehicle's seat.



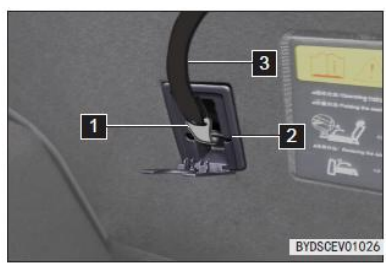
Tip
 The anchorage lever is installed in the gap between seat cushion and seat backrest.

2. Lift the headrest, and pass the top tether and hook on the top of the child seat between the headrest rods and around the back of the backrest.
3. Open the rigid anchor base cap.



4. Fasten the hook to the rigid anchor base, and fasten the top tether to ensure that the top tether is fastened securely.

- 1** Hook
- 2** Rigid anchor base
- 3** Top tether



- After the ISOFIX child restraint system is installed, push the child safety seat to different directions and make sure it has been securely installed.

Warning
 When using a lower anchor, make sure that no foreign objects are around the anchor, the seat belt is not stuck behind the child safety seat and the child restraint system is fixed securely. Otherwise, severe injury or even life threat may be caused to a child in case of emergency stop or accident.

- If the driver's seat obstructs the correct installation of the child restraint system, install it on the middle right seat.

38 1-3 Child Restraint System

- Do not use a rearward facing child restraint system on a seat protected by front air bag (activated). Otherwise, when an accident occurs, the impact force applied when the front passenger air bag deploys rapidly will cause severe injury or even life threat to a child there.



Warning

- Please don't let children play with seat belts, otherwise they may be seriously injured or even life-threatening.

Information on suitability of different seats for child restraint system

Mass Group	Seat (or other positions)		
	Front Passenger	Middle Outboard Seats	Middle Center Seat
Group 0 (<10kg)	X	U	X
Group 0+ (<13kg)	X	U	X
Group I (9kg to 18kg)	X	U/UF	X
Group II (15kg to 25kg)	X	UF	X
Group III (22kg to 36kg)	X	UF	X

Note: The letters in the table are defined as follows:

U = The seat is suitable for universal child restraint systems certified under this mass group.

UF = The seat is suitable for universal forward facing child restraint systems certified under this mass group.

X = The seat is not suitable for child restraint systems under this mass group.

Information on suitability of different ISOFIX positions for ISOFIX child restraint system

Mass Group	Size	Fixture	ISOFIX position on vehicle		
			Front Passenger	Middle Outboard Seats	Middle Center Seat
Carry-cot	F	ISO/L1	X	X	X
	G	ISO/L2	X	X	X
Group 0 (<10kg)	E	ISO/R1	X	X	X
Group 0+ (<13kg)	E	ISO/R1	X	X	X
	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
Group 1 (9 to 18kg)	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
	B	ISO/F2	X	IUF	X
	B1	ISO/F2X	X	IUF	X
	A	ISO/F3	X	IUF	X

Note 1: For child restraint systems not following the ISO/XX size class identification (A-G), for each applicable mass group, vehicle manufacturers shall indicate the vehicle-specific ISOFIX child restraint system recommended for each seat.

Note 2: The letters in the table are defined as follows:

IUF = The seat is suitable for universal ISOFIX forward facing child restraint systems certified under this mass group.

X = The ISOFIX position is not suitable for ISOFIX child restraint systems under this mass group and/or size class.

40 1-4 Anti-theft System

Anti-theft system

If any door is opened when the vehicle is in the anti-theft mode, the system will produce audible alarm and the turn signals will flash to prevent theft of the vehicle.

Setting anti-theft system

1. Set the vehicle power to the OFF mode
2. Ask all passengers to get off the vehicle.
3. Lock all the doors. When all the doors are locked, the anti-theft indicator remains on and Once the system finishes setting,the anti-theft system will be set automatically 10s later.
4. Make sure that you can leave the vehicle after automatic setting. No one should stay in the vehicle when anti-theft system is automatically setting because unlocking the door from inside the vehicle will trigger the system.



Triggering alarm

- The alarm will be triggered if:
 - Any door, trunk lid or front hood is unlocked without using the PEPS function of the smart key.
 - The vehicle is powered up without using the PEPS function of the smart key.

Disarming alarm

- The alarm can be disarmed by the following methods:
 - Unlock the door with wireless remote control.
 - Unlock doors with the microswitch.
 - Press the START/STOP button with the smart key carried in the vehicle.
 - Remote control start the vehicle.



Note

- Do not modify the anti-theft system by modification or addition. Such changes may cause system failure.

Automobile Event Data Recording System

The vehicle is equipped with the vehicle event data recording system (EDR), which is used to record the key data of the vehicle operation in the three stages before, during and after the collision. The detailed data are as follows:

Data name	Data meaning	Data usage
Longitudinal delta-V	Change in vehicle longitudinal speed. Longitudinal delta-V is only the longitudinal component of total delta-v.	Analyze the speed change in the forward direction of the vehicle at the adjacent time points before and after the collision event.
Maximum recorded longitudinal delta-V	The maximum cumulative change in vehicle speed in the x-axis direction recorded by EDR. This data should be used in conjunction with "time to reach maximum recorded longitudinal delta-V".	Analyze the maximum speed change in the forward direction of the vehicle before and after the collision event.
Time to reach maximum recorded vertical delta-V	Along the X-axis direction, the time from time zero to the occurrence of the maximum cumulative change in speed recorded by EDR. This data should be used in conjunction with "maximum recorded longitudinal delta-V".	Analyze the time corresponding to the maximum change of vehicle speed in the forward direction when the collision event occurs.
Service brake, on or off	Used to detect whether the driver depresses the brake pedal.	Analyze whether the driver depresses the brake pedal when the collision event occurs.
Vehicle speed	Wheel sideline speed or vehicle speed obtained by other means.	Analyze the driving speed of the vehicle when the collision event occurs.
Vehicle identification number (VIN)	In order to identify a vehicle, a group of character codes designated by the vehicle manufacturer for the vehicle.	Confirm whether the data recorded by EDR is the vehicle with collision event.

Instrument Set **2**

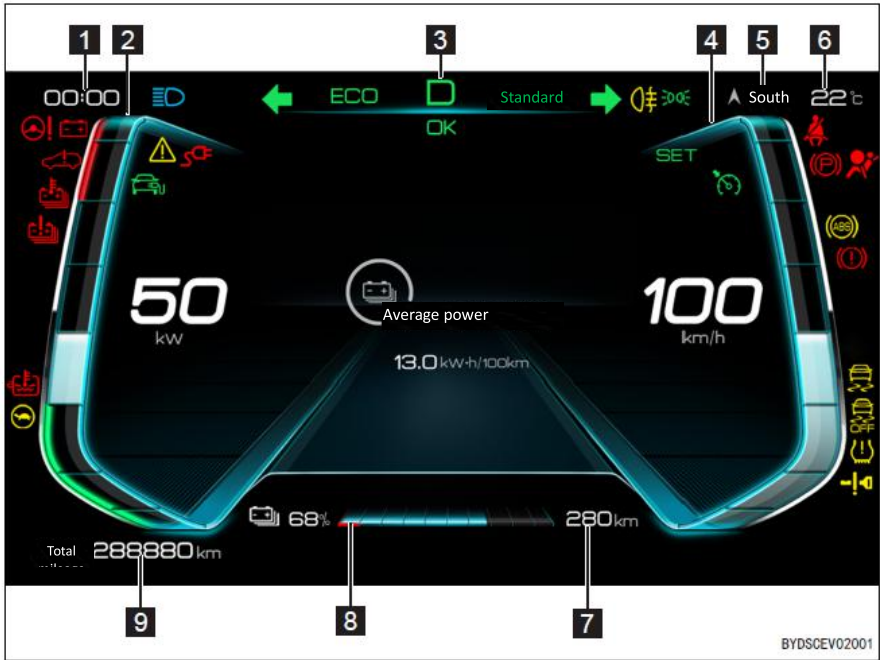
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View of Combination Instrument44

Indicator light/Warning light.....45

44 2-1 Combination Instrument

View of Combination Instrument



1 Time

2 Power Meter

3 Gear

4 Speedometer

5 Location





















6 Outside Temperature

7 Mileage









8 SOC indicator

9 Total mileage

Indicator light/Warning light

	Turn indicator		Clearance light indicator
	High lamp indicator		Rear fog lamp indicator
	"OK" indicator		Constant speed cruise main indicator
	Constant speed cruise control indicator		ECO indicator
	Discharge indicator (if any)		Smart Key System Warning light
	ABS fault warning light		Main warning indicator
	ESP OFF warning light		ESP fault warning light
	Low power battery warning indicator		Tire pressure warning light
	Limited drive power warning indicator		Unfastened seat belt indicator
	SRS fault warning light		Steering system fault warning light

46 2-1 Combination Instrument

	Electric parking brake indicator		Parking system fault warning light
	Charging connection indicator		Charging system warning light
	Power battery over temperature warning light		Power battery fault warning light
	Powertrain fault warning light		Motor coolant over temperature warning light

Indicator description

**Smart Key System Warning light**

- Press the START/STOP button. If there is no electronic smart key at this time, this warning light will be on for several seconds, and it will sound with the instrument, and the combination instrument will show that the key is not detected.
- If you take the smart key into the vehicle within a few seconds after illumination of this warning light, the warning light will go out and the vehicle can be powered on and started.
- If you press the START/STOP button with the electronic smart key detected, this warning light will not illuminate and the vehicle can be powered up and started.
- If the warning light flashes after you press the START/STOP button, it indicates that the key battery is low.

**ABS fault warning light**

- With the power in the OK mode, this warning light stays on. If the ABS works normally, this warning light will go out a few seconds later. This warning light will illuminate again if there is a failure in this system and will stay on until the fault is eliminated.
- When the ABS warning light illuminates (with the parking system fault warning light off), the ABS does not work, but the brake system still works normally.
- When the ABS warning light illuminates (with the parking system fault warning go out), as the ABS does not work, the wheels will be locked up in emergency brake or braking on wet and slippery roads.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible.
 - When the vehicle is powered up (OK), this warning light does not illuminate or stays on.
 - This warning light turns on during driving.
 - Brief illumination of this warning light in operation is not a sign of any problems.

48 2-1 Combination Instrument

Tip

- Service Store contact. Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become extremely unstable. If the ABS fault warning light remains on when the brake system warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD Auto Authorized Service Provider .
- ABS has self-checking function. If anything goes wrong, the anti-lock braking device indicator on the dashboard will light up. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible.
- If ABS (Anti-lock Brake System) indicator and brake system indicator illuminate at the same time, and the EPB has been completely released, it indicates that the front and rear wheel brake force distribution system has also failed. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible.
- If the brake pedal is abnormal, measures should be taken immediately: the brake pedal should be stepped deeper and the braking distance should be longer. Shift to low gear, slow down the vehicle, and drive the vehicle to the side of the road safely. It is dangerous to drive because of the long parking distance. It is recommended to stop immediately and check your vehicle at BYD Auto Authorized Service Provider as soon as possible.



ESP fault warning light

- When the vehicle is powered up (OK), this warning light turns on for a few seconds and then goes out, indicating that the ESP system works normally. This warning light will illuminate again if there is a fault in this system and will stay on until the fault is eliminated.
- If the ESP fault warning light flashes while the vehicle is traveling, it indicates that the ESP is working.
- When the ESP fault warning light illuminates (ABS fault warning light and parking system fault warning light go out), the ESP fails, but the ABS and brake system still work normally.
- When the ESP fault warning light illuminates (ABS fault warning light and parking system fault warning light go out), as the vehicle stability control system fails, the vehicle would be extremely unstable when taking a sharp turn or circumventing an obstacle ahead abruptly.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible:
 - When the vehicle is powered up (OK), this warning light does not illuminate or stays on.

- This warning light stays on during driving.
- Brief illumination of this warning light in operation is not a sign of any problems.
- This warning light stays on during driving.

Tip

- If the ESP fault warning light still illuminates when the ABS fault warning light and the brake system fault warning light illuminate, park the vehicle where it is safe to do so immediately and contact a BYD Auto Authorized Service Provider .
- Braking the vehicle in such a situation can cause the vehicle to become extremely unstable and the ABS to malfunction completely.



ESP OFF warning light

- When the vehicle is powered up (OK),this warning light on and goes out in about a few seconds later.
- When the "ESP OFF" button is pressed, the light should illuminate and stay on and the ESP system would not work. When the "ESP OFF" button is pressed again, the light should go out and the ESP function returns to normal.

Tip

- If the ESP OFF warning light illuminates, driver must raise his/her vigilance and keep the vehicle at a relatively low speed when driving at a sharp turn and making a sudden turn to avoid obstacle. Braking the vehicle in such a situation can cause the ESP system to malfunction, and the vehicle would become unstable.



Limited drive power warning indicator

This indicator will illuminate when the power battery SOC is low.

50 2-1 Combination Instrument



Tire pressure warning light

Direct tire pressure failure warning lamp (if any)

- When the vehicle is powered up (OK), this warning light stays on. If the tire pressure monitoring system works normally, this warning light will go out a few seconds later. This indicator will illuminate again if there is a fault in this system later.
- When the tire pressure monitoring system fault warning light illuminates or flashes and meanwhile "Check TPMS" is displayed on the instrument display screen and "---" is displayed in the value position on the tire pressure display interface, it indicates a fault in the tire pressure monitoring system.
- When the tire pressure monitoring system fault warning light flashes fast and one or more value positions on the tire pressure display interface of the instrument display screen turns red, it indicates that corresponding tire or tires are leaking rapidly.

Indirect tire pressure failure warning lamp (if any)

- When the vehicle is powered up (OK), this warning light stays on. If the tire pressure monitoring system works normally, this warning light will go out a few seconds later. This indicator will illuminate again if there is a fault in this system later.
- When the tire pressure monitoring system fault warning light illuminates or flashes and meanwhile "Check TPMS" is displayed on the instrument display screen ,it indicates a fault in the tire pressure monitoring system.
- When the tire pressure failure warning light flashes rapidly, the tire pressure display interface of the instrument cluster displays "tire pressure low" at the position of the failed wheel, indicating that the corresponding tire is in a state of rapid air leakage.



Unfastened seat belt indicator

This indicator light reminds drivers and passengers to fasten their seat belts. When the vehicle is powered up (OK), if the seat belt is not fastened, the seat belt unfastened indicator lights up until the driver and passengers fasten the seat belt, otherwise the indicator lights up continuously.



SRS fault warning light

- When the vehicle is powered up (OK), the warning light goes out after a few seconds of self-test, which indicates that the airbag system is working normally. The warning light system monitors the SRS ECU, collision sensor, inflator, warning light, wiring and power supply.

- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible:
 - With the power in the OK mode, this warning light does not illuminate or stays on.
 - This warning light turns on or flash during driving.



EPS fault warning light

EPS uses a motor to reduce the force required to turn the steering wheel.

Tip

- When turning the steering wheel, you may hear the motor humming when it is working, this is not a sign of a failure.

In the following two cases, the warning light of the steering system does not light up, but the steering feels heavy, which is a non-fault mode:

- When turning the steering wheel in place frequently for a long time
 - If the steering wheel is turned frequently in place for a long time, the EPS effect will decrease to prevent over temperature of the system, resulting in heavy steering when operating the steering wheel. In this case, avoid frequently turning the steering wheel or stop and powered off (OFF) the vehicle; the system will return to normal in 10 min.
- When the battery is feeding
 - The minimum working voltage of EPS is 9V. When the battery is heavily fed and the voltage is less than 9V, EPS will not provide steering assistance. Check the condition of the battery at this time, and if necessary, charge or replace the battery.
 - The EPS system may stop boosting when the power is OFF, so it is forbidden to power OFF during driving. If there is an abnormal power shift back to OFF during driving, please hold the steering wheel tightly. It is recommended to park the vehicle in a safe place immediately and contact BYD Auto Authorized Service Provider .

52 2-1 Combination Instrument

Warning

- If the EPS fault warning light on , park the vehicle where it is safe to do so immediately and contact a BYD Auto Authorized Service Provider . In this case, the steering will be very heavy, and you need to hold the steering wheel tightly when driving the vehicle.



Parking system fault warning light

When the vehicle is powered up (OK), this warning light will illuminate under the following conditions.

- When the brake fluid level is low;
- When the parking brake is applied;
- When the vacuum pressure fails;
- When EBD (Electric Brake force Dis-distribution) fails;
- When the electronic parking (if any) fails;
- Other ...

Brief illumination of this warning light in operation is not a sign of any problems.

Tip

- **Do not continue to drive normally when the brake fluid level is low.**
- **If any of the following situations occurs, park the vehicle where it is safe to do so immediately and contact a BYD Auto Authorized Service Provider:**
 - When the vehicle is powered up (OK), even if the parking brake is released, this light will not go out. In this case, the brake may not work properly and the parking distance will become longer. Step the brake pedal hard to make the vehicle stop urgently.
 - While ABS warning light is on, brake system warning light is still on. In this case, when braking, not only the anti-lock braking system will not work, but also the vehicle braking system will be unstable, which requires careful driving.



Charging system warning light

- During charging, this light warns of a failure in the charging system.
- During discharging, this light warns of a failure in the discharging system.
- In a process other than charging/discharging, this light warns of the working status of the DC module and start Fe battery module.
- Illumination of the light during driving indicates a problem of the DC system or start Fe battery system. Turn off the air conditioner, fan, radio, etc. It is recommended to drive the vehicle directly to the nearest authorized BYD Auto Authorized Service Provider carry through for repair.



Power battery over temperature warning light

- If this indicator illuminates, the power battery is subject to an over temperature.
- The power battery may overheat under the following operating conditions, such as:
 - Long distance climbing slopes on a hot day for a long time.
 - Frequent acceleration and braking in stop-and-go traffic or operating for a long time without any break.



Power battery fault warning light

- When the vehicle is powered up (OK), this warning light will illuminate. If the power battery system works normally, this warning light will go out a few seconds later. This indicator will illuminate again if there is a fault in this system later. In this case, contact a BYD authorized service provider for inspection as soon as possible.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible.
 - When the vehicle is powered up (OK), this warning light stays on.
 - This warning light stays on or occasionally illuminates during driving.

54 2-1 Combination Instrument



Powertrain fault warning light

- If the powertrain fails, this warning light will illuminate.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD Auto Authorized Service Provider for inspection as soon as possible:
 - When the vehicle is powered up (OK), this warning light stays on.
 - This warning light turns on during driving.
- Brief illumination of this warning light in operation is not a sign of any problems.



Note

- Do not drive the vehicle with the warning light on as much as possible. Contact a BYD Auto Authorized Service Provider for inspection as soon as possible.



Motor coolant over temperature warning light

- When this warning light is on, it means that the coolant temperature is too high. Please immediately park the vehicle at a safe road section to cool down the motor, and suggest to contact BYD Auto Authorized Service Provider.

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56 3-1 Door and Key

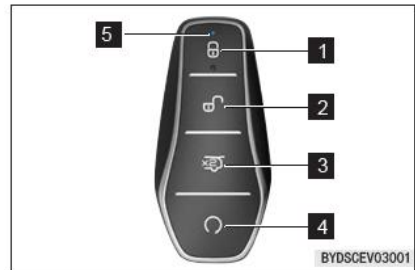
Key

The vehicle equipped with keys can unlock/lock the door and start the vehicle, including electronic smart key and mechanical key (installed in smart key).

Electronic smart key

Electronic smart key – with electronic smart key, press the microswitch of the left front door (black button on the outer handle) to unlock/lock all doors; Press the microswitch of the truck lid (the key on the right rear lighting trim panel) to open the ruck lid; You can also unlock/lock the door, open the truck lid or locate the car from a distance by the keys on the remote control key.

- 1** LOCK button
- 2** UNLOCK button
- 3** Trunk Lid Open button
- 4** START/STOP button
- 5** Indicator



 Note

- The smart key is an electronic component. Please observe the following instructions to prevent damage to the smart key:
 - Do not place the key in a position exposed to high temperatures, such as on the dashboard exposed in summer..
 - Do not disassemble it privately.
 - Do not knock other objects with the key or allow the key to fall to the ground.
 - Do not immerse the key in water or clean it in an ultrasonic washer.
 - Do not place the smart key near to devices radiating electromagnetic waves, such as mobile phones.
 - Do not attach any objects which shield electromagnetic wave signals to the smart key (such as a metal seal).
 - You may register standby keys for one vehicle. For details, please contact a BYD Auto Authorized Service Provider.
- If the smart key fails to control doors within the normal range, or the indicator on the key is dim or out of work:
 - Check if any radio station or radio transmitter of an airport is nearby interfering with the normal operation of the smart key.
 - The battery in smart key may have run out of power. Check the battery in smart key. To replace the battery, please contact a BYD Auto Authorized Service Provider.
- If your smart key is lost, contact a BYD Auto Authorized Service Provider as soon as possible to prevent your vehicle from being stolen or any other unexpected accident.

58 3-1 Door and Key

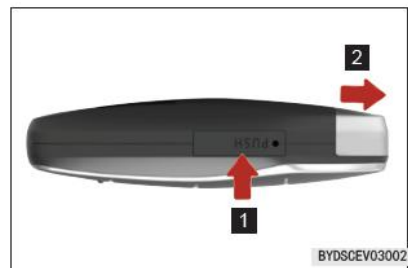
Note(Continued)

- Do not arbitrarily change the transmission frequency and increase the transmission power (including adding more transmission frequency amplifiers). Do not arbitrarily add an external detection aerial or use other transmission detection aerials instead.
- Avoid harmful interference with legal radio communication services during use. Once any interference is identified, stop using and take measures to eliminate interference before continuing to use the function.
- If the micro power radio equipment is adopted, be sure to keep it away from interference of various radio signals, or radiation from industrial, scientific and medical applications.
- Do not use the function on an airplane or near an airport.
- Individuals with implanted heart pacemakers or cardiac defibrillator shall be kept away from the detection aerial of the PEPS system, as the electromagnetic waves may interfere with such equipment. Users of other electronic medical devices shall also consult the manufacturer of such devices for information regarding their use under the interference of electromagnetic waves. Electromagnetic waves may produce unpredictable consequences to the usage of these medical equipment.

Mechanical key

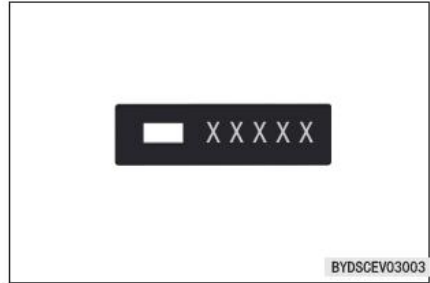
Mechanical key (in the smart key) – It can be used to unlock/lock the front left door. When the key is not used, be sure to insert it to the smart key.

- When using the mechanical key in the electronic smart key, as shown in the right figure, press the "PUSH" button **1** on the smart key to take out the mechanical key in the direction of the arrow **2**.
- After using the mechanical key, press the "PUSH" button and insert the mechanical key.



Mechanical key number plate

- The mechanical key number is marked on the number plate. If your key is lost or you need a spare key, you may ask a BYD Auto Authorized Service Provider to reproduce the mechanical key with the mechanical key number plate.



Tip

- Be sure to store the number plate in a safe place and keep it properly. Don't put it in the car.
- BYD recommends that you remember the mechanical key No. and store the number plate in a secure place.

NFC key (if any)

NFC key (if any)-Bring NFC (mobile phone) key to the sign on the left rear-view mirror, which can unlock/lock all doors when the vehicle is turned off.

Bluetooth key (if any)

Bluetooth key-connect the vehicle through short-range Bluetooth, and realize the control of the vehicle, including controlling the door unlocking/locking, etc.

60 3-1 Door and Key

Door Lock/unlock

Lock/unlock with mechanical key

Lock/unlock with mechanical key

Insert the key into the keyhole, turn it,

- Unlocking: turn the key in clockwise direction
- Locking: turn the key in counterclockwise direction



Locking/unlocking vehicle with key

- The wireless remote control system is designed to unlock or lock all doors within about 20m (meters) from the vehicle and realize additional functions.
- When carrying a registered smart key into the activation area, you can lock or unlock all the doors by pressing Lock/Unlock button on the key slowly and firmly.

Locking:

- Press the "UNLOCK" button to unlock all the vehicle doors; When all doors, front hatch covers and back doors are closed, the exterior rearview mirror is folded (if any), and the turn signal lamp flashes once.



- If any door or truck lid is not closed, the exterior rearview mirrors will not fold (if any), the turn signals will not flash, and the alarm will produce a sound.

Unlocking:

- Press the "UNLOCK" button to unlock all the vehicle doors, at the moment, the turn signals will flash twice.
- If the power supply is on, the door cannot be unlocked/locked with the Unlock/Lock button.
- When unlocking all doors with the electronic smart key, even if the door is not opened, the interior light may turn on for 16S (the "Door control" of the indoor light switch will turn on) and then turn off.
- After unlocking all doors with electronic smart key, please open any door within 30s. Otherwise, all doors will become locked automatically after this period of time elapses.
- When equipped with four door anti pinch function: if you keep pressing the Lock or Unlock button, the lock or unlock function will not repeat; You need to release the button and press the Lock or Unlock button again.

Open the truck lid with the remote control key

Double-click the unlock button of the back door on the smart key to open the back door. At this time, the turn signal lamp flashes twice.

Vehicle locating

- When the vehicle is in anti-theft mode, press the LOCK button, and then the vehicle will keep sounding for a while and the turn signals will flash for 15 times. You may locate your vehicle with this function when you are unable to identify the location of your vehicle.
- When the vehicle is in the vehicle locating state, press the LOCK button again to allow it to get into the next vehicle locating state.

62 3-1 Door and Key

Locking/unlocking with microswitch

Locking

- When the door is unlocked, carry a valid smart key and slowly and firmly press the microswitch button of the outer door handle. All doors are locked at the same time, the exterior rearview mirror is folded (if any), and the turn signal lamp flashes once.
 - When the vehicle power is not in the OFF mode, pressing the microswitch will not lock it.



Unlocking

- When the door is locked, carry a valid smart key and slowly and firmly press the microswitch button of the outer door handle. All doors are unlocked, the exterior rearview mirror is unfolded (if any), and the turn signal lamp flashes twice.
- After using the unlocking function, the door can be opened within 30s. Otherwise, all doors will become locked automatically after this period of time elapses.
 - When using PEPS to unlock the door, check whether the door is locked before pulling the door handle.

Doors will not be unlocked/locked when the microswitch is pressed in the following conditions:

- The microswitch is pressed while any door is being opened or closed.
- When the power is not turned off.
- When the vehicle power is not in the OFF mode.
- The key is left in the vehicle.

Tip

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

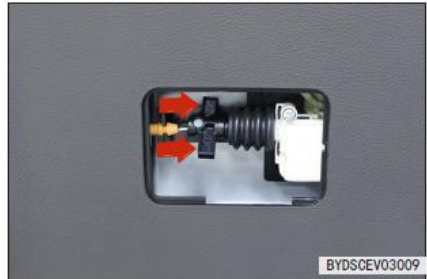
Opening the trunk lid with microswitch

- Carry a valid smart key, slowly and firmly press the microswitch button on the back door to open the back door.



Emergency unlocking of the trunk lid

1. Remove the trunk lid lock service cover on the trunk lid guard.
2. Turn the unlock knob as shown in the figure to unlock the trunk lid.



64 3-1 Door and Key

Lock/unlock with NFC key (if any)

See the electronic user manual for the specific method of NFC (mobile phone) key to control the vehicle.

Lock/unlock with Bluetooth key (if any)

Refer to the electronic user manual for the specific method of Bluetooth key control vehicle.

Locking/unlocking with console door lock

Unlock/ lock the vehicle with the lock switch of central control door lock

Refer to "Left Front Door Switch Set" in this chapter.

Emergency mechanical locking of vehicle

- When the console door lock system fails, please lock the left front door by operating the mechanical key, turn the emergency locking knobs of the other three doors to the locked state, and then close the vehicle door. At this time, the whole vehicle enters the locked state, and the four outside handles cannot open the doors.



- When unlocking is required, first operate the mechanical key to unlock the left front door, enter the vehicle, operate the inner button of other doors to unlock, and then pull the outer handle once to open the door.

PEPS System

PEPS function

With an smart key carried with you, you can unlock/lock doors and start the vehicle.

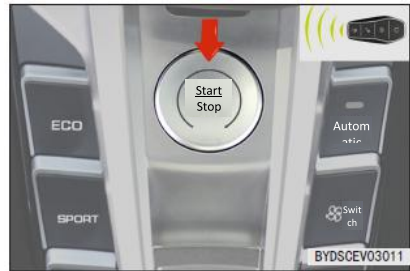
Smart entry function

Unlock/lock the door.

One button start function

When the smart key is in the car, the car can be started/stopped.

When the START/STOP button is pressed and the starting function cannot work normally, it may be caused by the following reasons:



- If smart key doesn't work, the battery in smart key may have run out, and smart key battery should be replaced as soon as possible.
- If the vehicle repeatedly in a short time, wait for 10s before each vehicle starting cycle.
- When the steering wheel is locked, press the START/STOP button while gently shaking the steering wheel.

Note

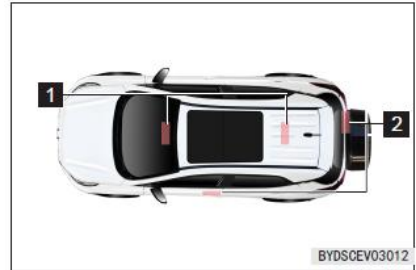
- Do not touch the START/STOP button when the vehicle is running normally.

66 3-1 Door and Key

Locations of detection antennas

Locations of detection antennas

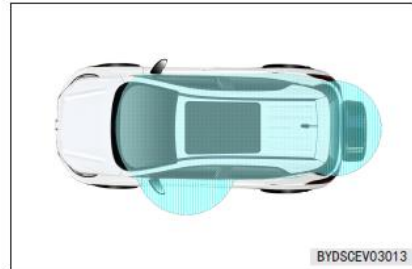
- 1 Interior detection antenna
- 2 Exterior detection antenna



Activation area

The PEPS function become available only when a registered smart key is carried into the scope of activation area.

- Enter the function activation area-within about 1m from the front outer door handle microswitch. If the smart key is too close to an exterior door handle or window, the entry function may not be activated.



Tip

In the following cases, the PEPS functions may be deactivated:

- There are facilities nearby emitting strong electromagnetic wave, such as television towers, power stations, and radio stations.
 - When the smart key is carried together with communication devices, such as interphone or mobile phone devices.
 - When the smart key comes into contact with, or is covered by, metal objects
 - When the microswitch is operated quickly.
 - When the smart key approaches a door handle.
 - When there is interference as remote control is being carried out in another vehicle nearby.
 - When the key battery is dead.
 - When the smart key is near high-voltage or noisy equipment.
 - When the smart key is carried together with another vehicle's smart key for PEPS or with any other radio transmitter.
 - Even in the active area, the smart key may not work properly due to the position of the smart key or the shape of the vehicle body.
-
- If the PEPS function do not work properly, preventing entry into the vehicle, you may unlock and lock the driver's door with the mechanical key in the smart key or unlock and lock all doors with the remote control function.
 - When an smart key of another vehicle approaches this key, the time of unlocking the doors may be longer than usual.
 - The exterior rearview mirror footlights and rear indoor lights will be automatically turned on/off according to the existence of smart key, unlocking/locking of doors, opening/closing of doors and power gear status.

68 3-1 Door and Key

Smart Key Battery Runs Out

- If the electronic smart key indicator does not flash and the vehicle cannot be started using the start function, the battery may be depleted and should be replaced as soon as possible.
- To start the vehicle when the key battery is dead, you need to put the key close to the start button and press the start button.

Save battery power

The key will still communicate with the vehicle, even if the vehicle is not running. Therefore, do not leave the key near the vehicle (within 2m).

- If you need to reactivate the PEPS, please do any of the following:
 - When carrying the electronic smart key, press the microswitch of the front outer door handle.
 - Wireless remote control operation.
- If the smart key receives strong electromagnetic wave for a long time, the battery will run out rapidly. The smart key must keep at least 1m distance with the following equipment:
 - Televisions
 - Personal computer
 - Mobile phone chargers
 - Electroliers
 - Fluorescent desk lamps
- If the PEPS does not work properly due to a system fault, contact a BYD Auto Authorized Service Provider with all smart keys with you.

Electronic Child Safety Lock

- In order to prevent children sitting in the rear seat from inadvertently opening the rear door, the vehicle is equipped with a child safety lock. There is a door child safety lock bolt on the side of the left rear door and the right rear door.
- When the latch is in the Locked position, the door cannot be opened from inside the vehicle. To open this door, use the outside door handle.



Note

- Confirm that the doors have been closed and child safety lock function has been activated before driving, especially when there is any child in the vehicle.
- Fastening the seat belt and activating and locking the door are helpful for preventing the driver and the passengers from being thrown out of the vehicle in case of an accident and preventing unintentional opening of the doors.

Adjustment of Front Seat

When the vehicle is running, all occupants in the vehicle must put the seat back vertically upward, lean back against the seat back and use the seat belt correctly.

Warning

- Do not drive the vehicle before all passengers are seated correctly.
- Do not sit on the upper part of the folded seat back, in the trunk or on goods. Otherwise, any person who is not seated correctly or does not fasten the seat belt correctly may be seriously injured in case of emergency brake or collision.
- Do not let passengers stand up or move between seats while driving. Otherwise, in case of emergency braking or collision, passengers may be seriously injured.

Precautions for seat adjustment:

Adjust the driver's seat to make the pedals, steering wheel and dashboard controller be in a controllable area of the driver.

Tip

- Do not adjust any seat while the vehicle is running, because the seat may move unpredictably and cause the driver to lose control of the vehicle.
- Do not make the seat hit any passenger or luggage when adjusting the seat.
- After manually adjusting the front and rear position of the seat, slide back and forth to confirm that the seat is locked.
- After adjustment of backrest, lean backward to confirm that the backrest has been locked.
- Do not put any object under the seat, because such object may affect the seat locking mechanism or accidentally push up the seat position adjustment lever, causing sudden movement of the seat and making the driver lose control on the vehicle.
- Do not put hands under the seat or near any moving part when adjusting the seat to avoid jamming the hands or fingers.
- When measuring the width of the seat cushion, adjust the angle of the backrest to the design state (the backrest is locked in the first position and the angle of the backrest is 25°), and adjust the seat cushion to the design state. For seats in the same row that can be separated or combined, measure the width of the seat cushion according to a whole row of seats.

Adjustment of the Seat

1. Forward and backward position adjustment

- Hold the adjustment lever and pull it upward. Slide the seat forward or backward to a desired position with slight body pressure and then release the adjustment lever
- After adjustment of the seat to a corresponding forward or backward position, move the seat forward and backward to confirm that the sound of slide rail being locked is produced and that the seat has been locked in position.



2. Height adjustment mechanism handle

Pull up the height adjustment mechanism handle to adjust the seat to a comfortable height according to your own needs. (Note: the front passenger seat does not have this height adjustment mechanism).

- Pull up is up, and press down is down.



3. Backrest adjustment lever

Pull up the adjustment lever and meanwhile tilt the backrest forward or backward to a desired position with your back pressed against the backrest, and then release the lever.



Note

- To measure the seat cushion depth, adjust the seat to a point of 40 mm before the end of its slide rail stroke, with a backrest angle of 23°.

Folding of Rear Seat

1. Remove the headrest in the middle of the rear seat (if any) and adjust the headrest on both sides of the rear seat to the lowest position.



2. Pull up the unlocking webbing on the seat cushion of the passenger's right rear seat forward and turn the seat cushion forward.
3. Pull up the unlocking webbing on the backrest of the passenger's right rear seat and fold the backrest forward.

The left/right rear seats are folded in the same way, when restoring the seats, follow the above steps in reverse.



Tip

- Before laying down the backrest, you must first remove the middle headrest and turn over the seat cushion.
- When restoring the seat cushion, press down first to ensure that the seat cushion is locked in place.
- When you fold and restore the rear seat, please handle the seat back and seat cushion gently, so as to avoid quickly laying down and pulling up the seat back, and quickly folding and replacing the seat cushion, so as not to cause the seat belts on the rear seat and seat back to be damaged or have abnormal functions.
- When you put the seat back, you should put the seatbelt webbing on both sides on the backrest at the same time, and put the seatbelt buckle crosswise into the groove on the seat cushion.

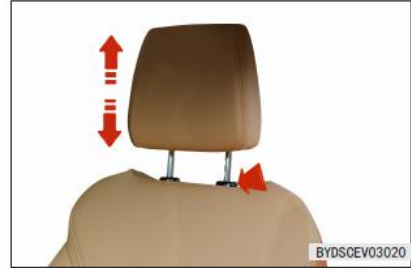
Headrest

Lifting headrest

Lift the headrest to a proper position along the direction of headrest lever, and release the headrest until a lockup sound is heard.

Lowering headrest

Press the headrest height adjustment button, lower the headrest to a proper position and release the button, then pull up the headrest slightly, and release it after hearing the locking sound.



Remove the headrest

Taking off headrest Press the headrest height adjustment button, take off the headrest, and then release the button.

Installing headrest

Insert the headrest link into the bushing, press the headrest height adjustment button, lower the headrest to a proper position and release the button, then pull up the headrest slightly and release it after hearing the locking sound.

Tip

- Headrests can prevent the driver and the passengers in the vehicle from suffering neck injury and other head injuries. A headrest can maximize its protection function when it is adjusted to make the back of a passenger's head be in the middle of the headrest. Tall passengers should adjust the position of headrest as high as possible.



74 3-3 Steering Wheel

Steering Wheel Adjustment


- If the angle of steering wheel needs to be adjusted, hold the steering wheel and operate as follows:
 - Press the steering wheel adjustment handle downward, tilt the steering wheel to the desired angle, and then restore the handle to its lock position.




Tip

- Do not adjust the steering wheel when the vehicle is running. Otherwise, mis-operation of the vehicle may be caused, resulting in an accident.
- After adjustment, move the steering wheel upward and downward to confirm that it has been locked firmly.

Light Switch

Turn the light knob to , turn off all lights.




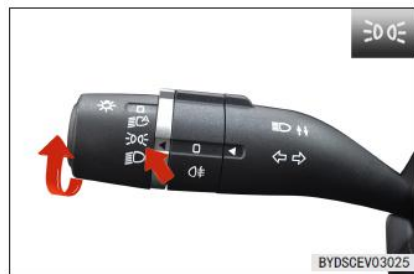
When the light knob  is turned to the (if any) block, the low beam headlamps and small lights will automatically turn on or off according to the light intensity sensed by the light intensity sensor.



Tip

- The light intensity sensor is located at the top of the dashboard. Please do not block the sensor or splash any liquid.


Turn the light knob to  to light up clearance lights (including front position lamp, rear position lamp, rear license plate lights, instrument background lights, clearance lights indicators and some backlight lights, etc.).



76 3-4 Switch


Turn the light knob to , the low beam is on.



Turn the light knob to , push the combination switch light lever forward from the original position (back away from the direction of the steering wheel), the handle will reset itself to the initial position, the high beam will be lit and the instrument high beam indicator will be lit at the same time; operate the light handle to "forward or backward", or turn off the low beam or power down, the high beam will be extinguished.





Overtaking signal

- Pull the combination switch light lever back from its original position (near the direction of the steering wheel) and the overtaking light illuminates; when released, the combination switch light lever is automatically reset and the overtaking light goes out.
- The overtaking light can also be made to illuminate when the light knob is in .



Rear fog light

Turn the knob at the end of the light switch to , and turn the fog light knob to  to turn on the rear fog lights. Clearance light off, or rear fog light switch off, or power down the vehicle, rear fog light off.



Turn signal indicator

- Lift the light adjustment lever gently ,the right turn signal and its indicator on the instrument starts flashing at the same time.
- Pull down light adjustment lever, and the left turn signal and its indicator on the instrument will start flashing at the same time.



If pushed to the uppermost or lowermost end, the turn signal will continue to flash even if the hand is released. After completely turning the corner, it will go out automatically.




Automatic light-off function (when the vehicle is in a non-anti-theft state)

- Active condition of automatic light-off function: this function is enabled when the high beam switch light is turned to "☀️" position or "🚗" position and the power supply is switched from the starting state to the stopping state.
- After starting the automatic light-off function, if the left front door is closed, the automatic light-off function will automatically turn off the turned-on low beams and clearance lights 11 s later.
- After starting the automatic light-off function, if any of the front door is open, the automatic light-off function will automatically turn off the turned-on low beams and clearance lights 10 min later.
- After the lights are automatically turned off, if the light adjustment lever status changes, the lights are turned on according to the new status. If the conditions for turning on the lights are still met at this time, the lights are turned off again.
- If either of the front two doors is opened after the lights are automatically turned off, the extinguished lights will be automatically lit.
- End of automatic light-off function: After the power supply of the whole vehicle is started, the automatic light-off function ends and the light knob operates normally.
- When the automatic light-off function turns off the light-off function will turn off the lights again and enters the anti-theft state, if the anti-theft state is released, the extinguished lights will turn on automatically again. If the front two doors are not opened, the automatic lights-out function will turn off the lights again after 10s. If the door is opened, the automatic light-off function will turn off the light after 10min.




78 3-4 Switch

Follow Me Home (if any)

■ Follow me home:

- When the combination lights switch are turned to ,  or , the driver power OFF the vehicle and the "follow me home "setting is turned on, the corresponding lights will continue to be lit for a period of time (0~60s, subject to the setting) after the remote control or microswitch is locked. The factory setting defaults to 10s.

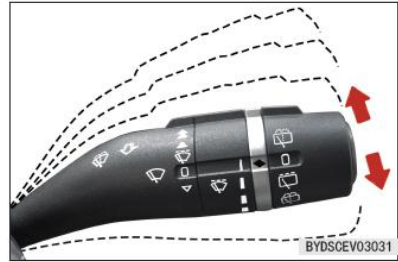
■ Follow me home:

- When the combination light switch is turned to ,  or , the vehicle is in a locked state, and the "follow me home "setting is turned on, after the remote control unlocked or the microswitch unlocked, the corresponding light will continue to light for a period of time (0~60s, subject to the setting item). The factory setting defaults to 10s.

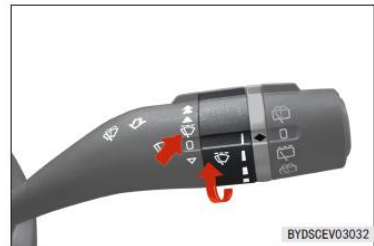
Wiper Switch

- The wiper switch is used to control the wipers and washers for the front and rear windshields. The wiper for front windshield can be switched in the following five modes:

- ▲: High-speed wiping
- ▲: Low-speed wiping
- ⏸: Intermittent wiping
- : Stop wiping
- ▽: Point wiping



- If you want to select the level, just lift or press down the control lever.
- At low speed and high speed, the wiper will wipe continuously.
- If you want the wiper to operate in the point wiping ▽ mode, you should press the control lever down from the □ position, and the wiper will wipe at a low speed until you release the control lever.
- When the intermittent level "⏸" is set, the intermittent knob on the wiper switch can be rotated, and with the narrowing of the rain indicator bar, the wiper intermittent time will also be prolonged.





Washer for front windshield

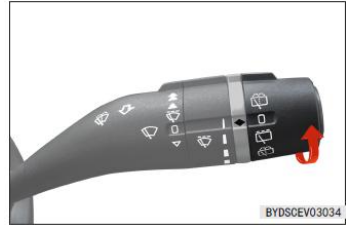
- To clean the windshield, please pull the wiper switch back (close to the steering wheel), the washer sprays water, and the wiper works at the same time.
- When you release the control lever or continue to operate for more than 10s, the washer will stop spraying water, and the wiper will stop moving after swinging for 1~2 times, and it will be wiped once again after about 5s interval. Remove residual water droplets from the glass.




80 3-4 Switch


Wiper and washer for rear windscreen (if any)

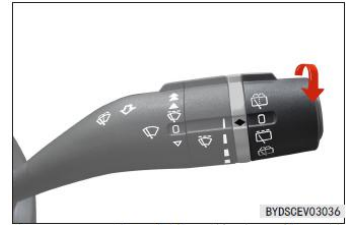
- Turn the knob at the end of the wiper switch to "  " to activate the wiper for rear windscreen. Turn the knob to the "  " mode or when the truck lid is opened, the wipers and washers stop working.



- By turning the knob at the end of the wiper switch to the rear wiper "  " position, both the wiper and washer for rear windscreen will start.



-  Turn the switch knob to the rear wiper position and then release it. After spraying the washing liquid, the wiper will stop after working for 1~2 times, and wipe once after about 5 seconds interval to remove the residual water droplets on the glass.



Linkage function of rear wiper and back door (if any)

- When the vehicle is powered up (OK), and when the trunk lid is opened, the rear wiper/washer cannot work; When the rear wiper/washer works, when the trunk lid is opened, the wiper/washer stops working, and it resumes working after 5 seconds after the trunk lid is closed. When the front wiper is in use, the rear wiper will work automatically when shift to R.

Tip

- Do not operate the washer continuously for more than 10s or when the washing liquid tank is empty, otherwise the motor may be overheated and damaged.
- Check wiper blades and clear the dirt on them at regular intervals, and dry wiping is prohibited.
- If the wiper is started at the beginning of rainfall when rainwater mixes with sand and dust the wiper is unable to clean the windscreen. On the contrary, it may result in a blurred view in an instant, affecting driving safety.
- Please use glass detergent. Water or other types of detergent may cause damage to the washer motor.

Left Front Door Switch Set

Power window switch

When the vehicle is powered up (OK), the window can be up/down using the window regulator switch on each side of the vehicle. When the vehicle is powered OFF, the power window cant be up/down.

- There are four regulator switches equipped on the driver's door for the driver to control all the windows on four doors
 - Down- press the switch.
 - Up – pull up the switch.



Automatic operation (when equipped with anti-pinch function)

- Window down: Press the switch button to the second position, and release the window to achieve automatic window down.
- Window up: Pull the switch button up to the second position. After releasing the operation, the window can be automatically up.
- To stop halfway, tap in the opposite direction.

Manual operation

- Window down: Press the switch button to the first position, do not release the operation, the window can be continuously opened manually.
- Window up: Pull the switch button up to the first position. do not release the operation, the window can be continuously up manually.

Anti-pinch function (if any)

Anti-pinch function is provided to automatically stop and return the closing window glass once an obstruction is sensed when the window is being closed.

82 3-4 Switch

Tip

- Do not test the anti-pinch function by intentionally causing the window being obstructed by any part of human body.
- The anti-pinch function may not work if the window is obstructed by any object when it is about to be closed fully.

Window lock button

- When the window lock button is pressed, the indicator light will light up, the driver and front passenger can up the window , and the rear passengers cannot control the local window up/down.
- Press the window lock button again, the indicator light goes out, and the window control switch function of each passenger is restored.



Delay function (if any)

- When the vehicle is powered OFF, if the front door is not opened, the four-door window control will have a 10-minute delay, and you can continue to operate the window up/down.
- After the power is off, if any front door is opened, the four-door window control can no longer operate the window up/down.

Smart window control function (if any)

- When this function is on in the instrument or multimedia settings (see instrument or multimedia settings for details): Press and hold the remote control "unlock" key to lower the glass automatically; press and hold the remote control "unlock" key to raise the glass automatically. When the key is released during the movement of the glass, the glass stops moving.
- When this function of instrument or multimedia setting is turned on (see instrument or multimedia setting operation for details): carry the smart key, press and hold the front door microswitch to unlock, and the glass will automatically drop; Press the long front door microswitch to lock, and the glass will rise automatically. When the key is released during the movement of the glass, the glass stops moving.

Warning

- Do not put your hand on the window glass when closing the power window. Avoid pinching passengers hands or fingers, causing extremely serious injuries.

Automatic window rising function and anti-pinch function fail (if any)

- If the window automatically rises and the anti-pinch function fails, the following steps can be taken to restore this function:
 - Keep flicking up the left front window switch so that the glass rises to the very top.
 - Release the switch, flick up the left front window switch again and hold it for 400ms, the automatic rise and anti-pinch function will be restored.

Tip

- Keep the key with you when you leave the vehicle.

Console Door Lock

- By pressing the lock button on the console door lock, all the four doors will be locked at the same time and the red locking indicator will illuminate.
- By pressing the unlock button on the console door lock, all the four doors will be unlocked at the same time and the red locking indicator will be off.
- When the vehicle speed is over 20km/h, all doors will lock automatically.
- When the vehicle is powered OFF, all doors will be automatically unlocked.
- When the vehicle suffers strong impact, all doors will unlock automatically. Automatic unlocking will depend on the impact strength and the type of accident.



Exterior Rearview Mirror Adjustment Button

Exterior rearview mirror adjustment button

- Press the electric left exterior mirror adjustment switch to select the left exterior mirror for adjusting.
- Press the electric right exterior mirror adjustment switch to select the right exterior mirror for adjusting.
- There are four directions for adjusting the lens direction of the exterior rearview mirror, namely up, down, left and right, which correspond to the up, down, left and right movements of the switch respectively.



Exterior rearview mirror folding button (if any)

Press the folding button, the left and right rearview mirrors fold at the same time, press this button again, and the rearview mirrors unfold.

Tip

- If the rearview mirror is frozen, do not operate the controller or scrape the surface of the rearview mirror. Use a spray deicer to remove the ice on the surface of the rearview mirror.

Passenger Window Control Switch

- When the vehicle is powered up (OK), the right front and rear door window control switches control the right front and rear door glass up/down respectively.



Emergency light switch

- Press the emergency light switch, and the instrument steering indicator and emergency light switch will flash synchronously; Press the emergency light switch again, and it will stop flashing.



Warning

- Turn on the emergency light to remind other pedestrians and vehicles to avoid danger.

Light Adjusting Switch Assembly

Headlights Adjustment Switch

- This switch is used to adjust the beam angle of headlights upward/downward. After low beams are turned on, this switch can be operated.
- When the headlight adjustment switch is at level 0, the beam height of the headlights is at the highest level. When the switch is at level 5, the beam height of the headlights is at the lowest level. The driver may set the adjustment switch to a desired level from level 0 to level 5 depending on his/her need and the beam height of the headlights will change accordingly.



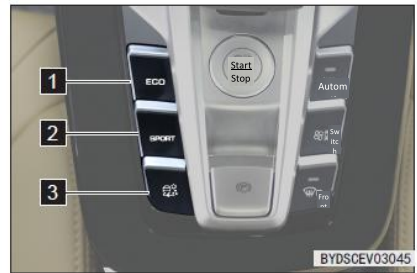
Mileage Switch

- Press the "Mileage Switch" switch to "Total Mileage"-"Mileage One"-"Mileage Two"-"Total Mileage" while the meter displays the corresponding information switching state.
- Press "Mileage One" and "Mileage Two" for a long time to clear the mileage information.



Mode Switch Set

- 1 Economics mode
 - 2 SPORT mode button
 - 3 Snow mode button
- ECO mode/Sports mode/Snow mode button controls the mode switching of the vehicle.



Steering Wheel Switch Set



Right Switch

Scroll Wheel 

Multimedia

- Pull the scroll wheel upward to increase the sound volume by a single step until the maximum volume is reached (12 level in a circle).
- Pull the scroll wheel downward to decrease the sound volume by a single step until the minimum volume is reached (12 level in a circle).
- Press the scroll wheel to mute.

Instrument

- Pull the scroll wheel upward:
 - In instrument menu mode, select the upward second / third level menu item. When preset charging settings, increase the hours/minutes upwards.

88 3-4 Switch

- Pull the scroll wheel downward :
 - In instrument menu mode, select the upward second / third level menu item. When preset charging settings, decrease the hours/minutes upwards.
- Press scroll wheel:
 - In instrument menu mode, enter the next menu of the current option or confirm the current setting;
 - When preset charging settings, Confirm current settings

Left/Right Button

Multimedia






- Radio mode:
 - Press and hold ◀ to automatically search the previous channel with strong signal (decrease the frequency).
 - Press ◀ once to select the pre-saved radio station upward;
 - Press and hold ▶ to automatically search the next channel with strong signal (increase the frequency)
 - Press ▶ once to select the pre-saved radio station downward;
- USB/SD/ Bluetooth music/third party music APP and other modes:
 - Press ◀ once to play the previous song (song number -1).
 - Press ◀ once, Bluetooth call record, phone book interface, and press the key briefly to upward select
 - Press ▶ once to play the next song (song number +1).
 - Press ▶ once, Bluetooth call record, phone book interface, and press the key briefly to downward select

Instrument

- In instrument menu mode:
 - Press the ◀ button to toggle the first level menu and its sub-menus to the left; When preset charging settings, toggle the hour and minute settings to the left.
 - Press the ▶ button to toggle the first level menu and its sub-menus to the right; When preset charging settings, toggle the hour and minute settings to the right.

Dial and answer buttons (if any) 

In Bluetooth function mode:

- When the system displays an interface not related to Bluetooth, if Bluetooth is not connected, press  button once on the steer wheel to make the system enter the main interface of phone selection; if Bluetooth has been connected, press this button to make the system enter the dial interface.
- When a call comes in, tap the  button on the steering wheel to be able to answer it.
- When you enter the phone number in the dialing interface or select a record in the call record, phone book or speed dial interface, click the  button on the steering wheel to realize the dialing function;
- When the Bluetooth is connected and no phone number is entered in the dial interface, press the button  to enter the all call interface , press the button  again on the steer wheel to enable the system to automatically make a call of the first entry on the all call interface.

Voice recognition  (if any)

- Press the voice recognition switch, the automatic speech recognition button to switch the multimedia screen to the speech recognition page and implement the smart speech function. Press again to re-enter the voice command.

Return button 

- When the Instrument is not in menu mode, press the Return button to pop up the Instrument menu.
- In the instrument menu mode, press the Return button to return to the upper menu , and exit the menu without the upper menu .
- When in the Bluetooth call menu, press to end the call.

90 3-4 Switch

Left Switch

Cancel button (if any)

- Cancels cruise activation state, system changes from activation to standby state.

Cruise Switch (if any)

- Turning on/off cruise control system

+/--button (if any)

- Move the lever up ,and press it short to increase by 2km/h; Long press to continuously increase.
- Move the lever down ,and press it short to decrease by 2km/h; Press to decrease continuously.

Setting key (if any)

- Set the current vehicle speed as the target cruise speed.

Reset button (if any)

- Activate the cruise system and call the last system setting parameter.

Right front image button (if any)

- Multimedia enters the panoramic mode, and when reversing, the right front image interface and the reversing image interface switch each other.

Full image button (if any)

- Multimedia enters the panoramic mode and displays the panoramic+forward-looking image interface.

Custom button (if any)

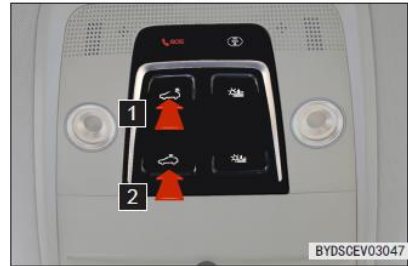
- When the customization button is not customized, short press or long press can enter the customization interface. Customization functions include driving recorder photographing, central control panel rotation and driving recorder video locking.
- With the Customize button having a customized function, press it to activate the function; press and hold it to enter the Customize interface to re-customize a function or cancel customization.

Sunroof Switch(if any)

When operating the sunroof, the power of the whole vehicle is on "OK" position or the power-off delay of "OFF" position .

Opening sunroof

- Touch the sunroof opening button **1** and hold ;Manual opening of sunroof ;If you release the button halfway ;Sunroof will stop at the current position
- If it has been initialized, when the sunroof opening button **1** is touched and released immediately, tilt the sunroof upward for ventilation, touch it again, the sunroof will open automatically, touch the button **1** or **2** halfway, and the sunroof will stop at the current position.

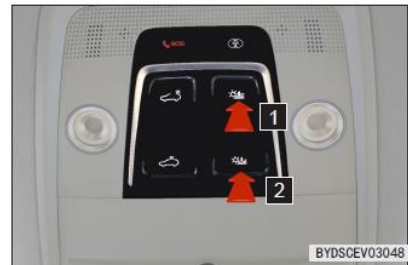


Closing sunroof

- Touch the sunroof closing button **2** and hold,Manual closing sunroof.If you release the button halfway,sunroof will stop at the current position
- If it has been initialized, when the sunroof closing button **2** is touched and released immediately, the sunroof automatically closes. Touch the button **1** or button **2** halfway and the sunroof will stop at the current position.

Opening of sunshade

- Touch the sunshade open button **1** and hold, manually open the sunshade, release the button halfway, and the sunshade will stop at the current position.
- Touch the sunshade opening button **1**and release immediately, the sunshade automatically opens; Touch the button **1** or button **2** halfway,the sunshade will stop at the current position.



Closing of sunshade

- Touch the sunshade close button **2** and hold,manually close the sunshade, release the button halfway, and the sunshade will stop at the current position.

92 3-4 Switch

- If it has been initialized, when the sunshade closing button **2** is touched and released immediately, the sunroof automatically closes. Touch the button **1** or button **2** halfway and the sunshade will stop at the current position.

Shading linkage opening function

When the sunroof is opened, the sunshade will be opened in conjunction with the sunroof.

Anti-pinch function

During the closing of the sunroof or sunshade, if a person or object is caught, the sunroof or sunshade will automatically open for a distance.

Warning

- Extremely serious injuries may be caused to passenger's hands or head once pinched by the closing sunroof.
- Never extend head, hands or any bodily parts outside the sunroof when vehicle is running; otherwise, serious injuries or even life threat will be caused.

Note

- If you try to open the sunroof in the environment below 0°C or when it is covered with ice and snow, the sunroof or motor may be damaged.

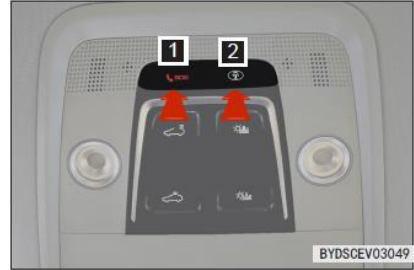
Initialization Method


- If the automatic function of sunroof or sunshade fails, you can try to initialize it as follows:
 - Sunroof initialization: touch and hold the sunroof closing switch to make the sunroof run to the fully closed position and stall for 400ms;
 - Sunshade initialization: touch and hold the sunshade closing switch to make the sunshade run to the fully closed position and stall for 400 ms.

B-call/ E-call button; (if any)

1 E-call

E-call is short for emergency call. When the user's vehicle suffers a serious collision or encounters an emergency, the user can press this button to connect to the call center with the highest priority. The customer service personnel will obtain important data of the user and the vehicle and assist the user in escaping from danger, and dispatch an ambulance to the scene immediately if necessary to ensure the user's safety.




- When the user presses the E-call button for less than 2s, the multimedia display screen will display a prompt box with the message: "Please press and hold the SOS button to call emergency rescue".
- When the user presses the E-call button for 2s or longer, the multimedia will directly call the emergency rescue center. To hang up, tap the  hang up button on the multimedia display screen.

Tip


- To ensure the user's safety, as long as the user presses the E-call button for 2s or longer, even if the user hangs up, a special personnel of the BYD Emergency Rescue Center will call back the user.
- In the event of a serious safety incident, the vehicle system will automatically call the emergency rescue center. To prevent an emergency, the E-call automatic dialing will be treated as accepting call by default.

2 B-call

B-call refers to roadside assistance. When the user's vehicle fails, press this button to send a "roadside assistance" signal to the BYD Smart Service Center so as to obtain a series of assistance such as roadside assistance, information provision and humane care with the help from the Service Center.

- When the user presses the B-call button for less than 2s, the multimedia display screen will display a prompt box with the message: "Please press and hold the  button to call BYD smart service". To use the function, the user must press and hold this button for 2s or longer.

94 3-4 Switch

- When the user presses the B-call button for 2s or longer, the multimedia will directly call the Smart Service Center to guarantee the user's travel. To hang up, tap the  hang up button on the multimedia display screen

Interior Light Switch

Front interior light (if any)

Configuration 1

Touch the corresponding interior light or reading light cover in any power position to illuminate the lamp; touch it again to extinguish it.

Camera (if any)

The camera can be controlled using an APP on the PAD.

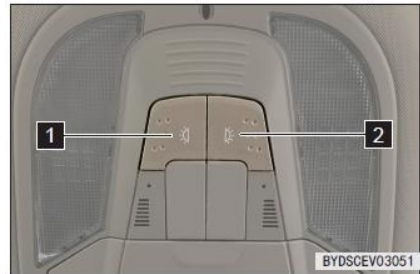


Configuration 2

1 Left interior light control switch

2 Right interior light control switch

- When the left/right interior light control switch is pressed, the left/right interior light turns on, and when the left/right interior light control switch is pressed again, the left/right interior light turns off.



Rear indoor light switch (if any)

ON: turns on

OFF: turns off

- When the switch is turned to the middle position (DOOR position), the rear reading light turns on when the door is opened, and the rear reading light turns off when the door is closed.



Tip

- The "DOOR" switch is included in the multimedia, in the "DOOR" switch on state, open any door, the vehicle reading light low light, when the vehicle power OFF and close the door, reading light will be off after 15s, when the vehicle power on (OK) and close the door, reading light will be off after 2s.
- When the DOOR switch is on, and any door is opened, touching the corresponding reading light can only realize the high-light and low-light switching.

Interior lights on the side (if any)

- Touch-side interior light Mask, to turn on interior side light.



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Charging Instructions

Safety warnings for charging

- Please charge the vehicle in a relatively safe environment (no liquids, open flames or heat sources).
- Do not modify, remove or repair the charging equipment or relevant ports to avoid resulting in a fault to charge or in fire disaster;
- Before charging, please make sure that there is no water or foreign matter in the charging ports of vehicles, power supply equipment and charging equipment, and make sure that the metal terminals are not damaged or affected by rust or corrosion. If the above situation occurs, please do not charge. Because abnormal terminal connection may lead to short circuit or electric shock, threatening life safety.
- Immediately stop charging and contact a BYD Auto Authorized Service Provider if abnormal condition is found in the vehicle or charging equipment during charging.
- In order to avoid serious personal injury, the following precautionary awareness should be observed when the vehicle is being charged.
 - Do not touch the charging port;
 - When there is a thunderstorm, please do not charge or touch the vehicle. Lightning may damage the charging equipment and cause personal injury.
- After charging, do not disconnect the charging equipment with wet hands or while standing in the water, so as to prevent electric shock that may result in personal injury.
 - Before driving, make sure that the charging equipment has been disconnected from the charging port.
- Charging may affect medical or implantable electronic devices. Consult the electronic device manufacturer before charging.

Precautions for charging

- When the SOC indicator bar of the combination instrument enters the red warning grid, it indicates that the power battery is low. It is recommended that you charge the battery in time when the battery level drops to the red alert grid, and it is not recommended to charge the battery after the battery level is completely exhausted, because that will affect the service life of the power battery.
- When the battery temperature is higher than 50 °C or lower than -20 °C, the vehicle will not be charged normally.

100 4-1 Charging/Discharging Devices

- AC charging with household equipment refers to charging with A/C charging connection device provided for the vehicle . 220V 50Hz, 10A dedicated AC line and power socket are recommended. Dedicated lines are designed to avoid line damage or line trip protection caused by high power consumption when charging power batteries. If dedicated lines are not used, the normal work of other equipment on the lines may be affected.
- In order to avoid damage to the charging equipment:
 - Do not close the charging port cap with the charging protection cap open;
 - Do not impact the charging equipment;
 - Do not place the charging equipment near a heater or other heat sources.
- If power supply resumes after outage of the external power grid for a short time, the charging equipment will re-start charging automatically and no re-connection of the charging equipment is required.
- When charging, it is not recommended that people stay in the vehicle.
- When charging, it is recommended to park the vehicle in a ventilated place.
- To ensure safety, it is recommended to power off (OFF) the vehicle before DC charging.
- After the power battery is fully charged, the charging system will automatically stop charging.
- When using a domestic AC charging connection it is recommended to: When stopping charging, disconnect the vehicle plug of charging equipment first, and then disconnect the power plug at the power supply end.
- Before starting the vehicle, please make sure that the charging device has been disconnected, and the charging port protection cap and the charging port cap have been closed, because if the locking mechanism of the charging device is not fully locked, the vehicle may powered OK. If the charging port cap is not closed, water or foreign matter may enter the charging port terminal, which will affect the normal use for a long time.
- When the ambient temperature is lower than 0°C, the charging time is longer than usual.
- For convenience,during charging, the predicted time to full charge will be displayed on the combination instrument. It is normal that the predicted time to full charge may vary to some extent with the temperature, SOC and charging facility.
- During charging, the compressor and electronic fan may work as required, and it is normal to hear related sounds.

Charging mode

The loss of power of the power battery will make the vehicle unable to drive. It is very important to charge and store energy in time and calculate the power demand before driving.

The vehicle can be charged by three methods:

1. Household single-phase AC charging pile
2. AC charging through charging pile
3. DC charging through charging pile

- The charging time of power battery varies with the charging method, current SOC, real-time temperature, service time, ambient temperature and other conditions. The data provided in the user manual may be different from the actual charging time.
- Charging equipment in line with GB/T18487.1-2015.

Household single-phase AC charging pile

- The AC charging connection device is a charging unit delivered with the vehicle. It is used to connect the vehicle and the standard household single-phase two-pole socket (220V, 50Hz, 10A) with grounding to charge the vehicle.
- A household socket in line with the national standard should be selected as power supply socket to prevent high-power charging from damaging the circuit and causing protective tripping that may affect the normal service of other equipment.

Single-phase AC charging through charging pile

- Use AC charging piles in public places or charging piles delivered with the vehicle to charge the vehicle. Please refer to its user manual or instructions for the operation of charging equipment.

DC charging with charging pile

- DC charging cabinet in public places can be used to charge the vehicle. Generally, DC charging cabinets are installed at designated charging stations.

102 4-1 Charging/Discharging Devices

Charging modes

1. Preset charging (to charge the vehicle for a fixed period of time in accordance with the charging time set by the user)

Refer to setting procedures of preset charging function on the combination instrument for details.

2. Instant charging (charging starts after connection to the charging port or after operation)

Household single-phase AC charging pile

- Specifications of equipment:

- 220V AC 50Hz 8A

- Charging time:

- Please refer to the charging time prompting message displayed on the combination instrument.

Single-phase AC charging through charging pile

- Specifications of equipment:

- 220V AC 50Hz 16A/32A

- Charging time:

- Please refer to the charging time prompting message displayed on the combination instrument.

DC charging with charging pile

- Specifications of equipment:

- Please refer to relevant description of the charger.

- Charging time:

- Please refer to the charging time prompting message displayed on the combination instrument.

Charging Method

Household single-phase AC charging pile

- Please check the charging connection device before charging:
 - Ensure that the charging equipment is not scratched, rusted or cracked, or the charging gun, cable, control box, wire and power plug are not damaged.
 - Do not charge if the surface of charging equipment or charging connection device is damaged, rusted, cracked or loose.
 - When the power plug or charging gun is dirty or wet, please wipe the plug with a dry and clean cloth to ensure that the charging plug is dry and clean.
- Start charging:
 - Open the charging port cap:
 - Powered open the charging port cap: press the open charging port cap switch to open the charging port cap on the front grille.
 - Manually open the charging port cap: open the front hood and press the blue area in the figure to open the charging port cap.
 - Slide the charging port cap upward by hand.




104 4-1 Charging/Discharging Devices

- Plug the household plug of the AC charging connector into the socket, and the power indicator of the AC charging connector will stay on.

- Open the protective caps of the charging gun and the vehicle socket, and make sure that there are no obstacles at the ends of the charging plug and the charging socket.



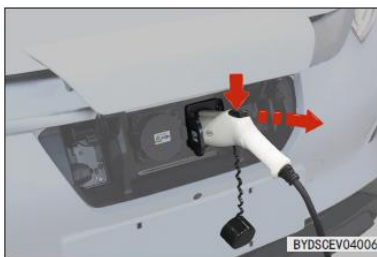
- Insert the charging gun into the vehicle socket at the vehicle end, and the charging connection indicator  of the of the combination instrument is on. At the same time, the charging indicator of AC charging connection device flashes.



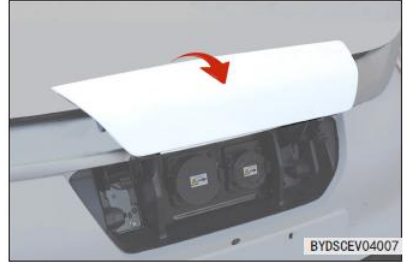
- In the charging process, relevant charging parameters and charging animation will be displayed on the instrument.

3. Stopping charging

- End the charging by unlocking the vehicle, setting the charging equipment or charging with full power, and pull the charging gun out of the vehicle socket.
- Unplug the power terminal plug.



- Close the protective cap of the charging socket and the charging port cap of the electric vehicle.
- Put the AC charging connection device into the trunk glove box.



i Tip

- The equipment must be well grounded. If the charging equipment is faulted or damaged, the grounding wire will discharge in a circuit with the minimum impedance, so that the risk of electric shock will be reduced. It is equipped with a grounding wire connecting the equipment grounding point and the grounding point of power supply plug. The plug must match with the power supply socket that is correctly installed and well grounded.
- Do not forcibly open the cap of the vehicle socket until the whole vehicle is unlocked.
- Do not close the front hood when the charging cap is fully open.
- Before pulling out the charging plug, unlock the vehicle to unlock the electric lock of the charging port, and pull out the charging plug within 30s; otherwise, the electric lock of the charging port will be locked again.
- It is recommended to contact a BYD Auto Authorized Service Provider or local electrician and select proper power supply according to the requirements of the charging equipment.

! Warning

Use electric vehicle specific charging equipment that meets relevant national standards:

- Do not modify, remove or repair the charging equipment.
- Do not use any additional electric wire or adapter.
- Do not touch the plug with water on your hands.
- Do not use the charging equipment in the cases of softening of household power supply socket wire, wearing of charging plug cable, cracking of insulation layer, or any other damage conditions.
- It is strictly forbidden to use this equipment when the protective packaging or electric vehicle socket is disconnected, broken, opened or shows any damage.

106 4-1 Charging/Discharging Devices


Warning

- It is strictly forbidden for minors to touch or use the equipment.
- Maximum ambient temperature: 50°C.
- Do not fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently and put it at a cool and shaded place after use.
- If charging has to be carried out during rainfall, protect the charging unit to prevent water from entering the unit.
- Please stop charging immediately when charging fails or is abnormal. It is recommended to contact BYD Auto Authorized Service Provider.
- Do not open or approach any electrical hatch of the vehicle.

Single-phase AC charging through charging pile

AC charging can be performed by connecting the vehicle to an AC charging pile with the AC charger or connecting the vehicle to an AC charging pile with a charging plug of the AC charging pile.

Instant charging method:

1. Unlock the whole vehicle, press the switch to open the charging port cap, and open the charging port cap on the front grille. Slide the cover plate of the charging port upward by hand; Open the hatch cover and protective cap of AC charging socket (see the method of opening hatch cover and protective cover for household single-phase AC charging);
2. Connect the charging gun that comes with the charging pile to the vehicle socket. If a 7-pin to 7-pin charging connection device is used, the power plug should also be connected to the charging pile power socket;
3. Follow the steps of charging equipment instructions to start charging.
4. The charging connection indicator  on the combination instrument will illuminate.
5. In the charging process, relevant charging parameters and charging animation will be displayed on the combination instrument;




4-1 Charging/Discharging 107

- End the charging by unlocking the vehicle, setting the charging equipment or charging with full power;
- Press the lock button of the charging gun, pull out the charging gun and put it back to the corresponding position of the charging pile. If the 7-pin to 7-pin charging connection device is used for charging, it is recommended to pull out the charging plug before pulling out the charging pile plug;
- Close the hatch cover and protective cover of AC charging socket;
- Sort and properly place the charging equipment.
- After AC charging of charging pile is over, close the charging port protection cap, and then close the charging port cap.

DC charging with charging pile

DC charging can be performed by connecting the vehicle to a DC charger through the charging plug of the DC charger.

Instant charging method:

- The vehicle power is not in the OFF mode.
- Unlock the vehicle, press the switch to open the charging port cap, and open the charging port cap on the front grille. Slide the cover plate of the charging port upward by hand; Open the hatch cover and protective cover of the DC charging socket (see the method of opening hatch cover and protective cover for household single-phase AC charging);
- Connect the charging gun at the vehicle end;
- Follow the steps of charging equipment instructions to start charging.
- The charging connection indicator  on the combination instrument will illuminate.
- In the charging process, relevant charging parameters and charging animation will be displayed on the combination instrument;
- Stop charging, the charging pile is set to end charging or charging has been completed, and the charging pile will automatically end charging;
- Press the mechanical button of the charging plug, and pull out the charging plug.
- Close the hatch cover and protective cap of DC charging socket;
- DC charging of charging pile ends.



Preset charging

Combination instrument preset charging settings:

1. Enter the preset charging time setting interface: after the vehicle charging gun is connected, the combination instrument enters the charging interface and shows that "the vehicle has the preset charging function. If you need to set it, please press the [Menu] button on the steering wheel" to enter the preset charging time setting interface; You can set the hour/minute of the preset charging time by pressing [Up Δ /Down ∇] or rolling the scroll wheel up and down; And hours and minutes are switched by pressing [Left \triangleleft , /Right \triangleright] buttons of the steering wheel. Press [OK] on the steering wheel briefly or press the scroll wheel to determine and set the preset charging time;
2. Enter the preset charging countdown interface: after the preset charging time is set, you can automatically enter the preset charging countdown interface;
3. Cancel the reserved charging: When the countdown interface of reserved charging displays "Warm prompt: press and hold the steering wheel [Menu] button to cancel the preset charging", press and hold the steering wheel [Menu] button to cancel the preset charging.

Smart Charging Function

- This vehicle has smart charging function, so it is not necessary to disconnect the negative electrode of the start battery when parking for a long time.
- When the start Fe battery manager detects a low start Fe battery, the start Fe battery may be charged from power battery.

Tip

- The vehicle may start automatically when it is placed for a long time. This is a normal control procedure of smart charging, not a vehicle failure.
- The electric energy for smart charging is supplied from the power battery pack, so the SOC may drop when the vehicle smart charging function is activated, which is normal and not a vehicle fault.

Charging port electric lock control function

To prevent the charging plug from being stolen, the AC charging port has anti-theft function during charging and discharging of this vehicle. This function is disabled by default. To enable this function, follow the steps below:

Multimedia control (if any)

Users can enter the charging port electric lock to prevent theft through [New energy] on the multimedia touch screen, and select the working mode of the electric lock to be enabled.

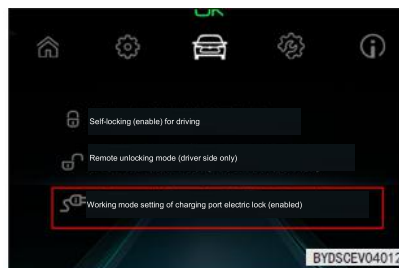


Instrument control (if any)

1. Open the instrument menu, select the vehicle setting interface, and select the electric lock anti-theft function of charging port in the secondary menu lock.



2. Select the required functional state by selecting the On and Off options.



Unlocking

■ During the charging process, users can unlock and unplug the charging gun in the following ways:

- Press the unlock button on the smart key to unlock it .
- Press the microswitch beside the exterior handle of the driver's door to unlock ;
- Press the console control switch below the window and on the inner side of the driver's door to unlock it.

110 4-1 Charging/Discharging Devices

Note

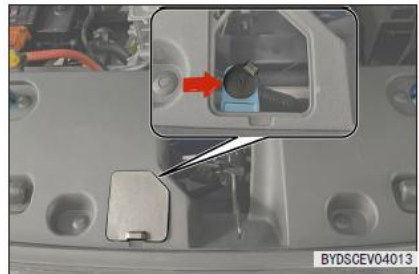
- After unlocking of the charging plug, the charging plug can be pulled out within 30s, and the electric lock will be locked again after 30s, and the charging gun needs to be unlocked again when unplugging.

Emergency unlocking of charging port

When the electric lock fails and the charging gun cannot be pulled out, try to pull out the charging gun through manual emergency unlocking.

AC charging port

Open the front hood, buckle the trim panel, and pull up the pull cap to drive the electric lock to unlock.



Diagnosis of general charging faults

Fault State	Possible Cause	Solution
Charging unavailable, physical connection completed but charging not started	The power battery is fully charged	When the power battery is fully charged, it will automatically stop charging.
	The power battery temperature is lower than -20 ° Or is higher than 50° C	Allow the power battery to heat or cool before charging,place the vehicle in an environment with suitable temperature; start charging after the temperature becomes normal.
	12V start Fe battery is over-discharged	Connect 12V power from other vehicles, and the battery will be charged after the vehicle is started.
	The charging equipment is faulty	Confirm that the power indicator of the charging equipment is normal or there is no other abnormal message; otherwise, replace the charging equipment to charge or contact the charging equipment supplier.
	The vehicle display is faulty	If it is determined that there is a power system fault light on the combination instrument or a charging system fault prompt, stop charging, and it is recommended to contact BYD Auto Authorized Service Provider.
Charging stops in the charging process	Power failure	After the power is restored, the charging will automatically restart.
	Charging cable is not connected properly	Confirm that the cable of charging connection device is not loosely connected.
	The button of charging connection device is pressed down	The charging equipment will stop charging if the button of charging connection device is pressed down. Re-connect the charging connection device to start charging.
	The temperature of power battery is too high	The combination instrument shows that the power battery overtemperature alarm indicator lights up, and the charging will automatically stop, and the battery will be recharged after it cools down.
	The vehicle or charging pile is faulted	Contact a BYD Auto Authorized Service Provider after confirming that there is a prompt of the fault of charging pile or vehicle.
	Press the key, microswitch or service switch to unlock.	If you want to stop charging, you need to pull out the gun within 30 seconds after unlocking. If you want to continue charging, wait for 30 seconds and enter the charging mode automatically.

112 4-1 Charging/Discharging Devices

Discharging equipment (if any)

VTOL exterior discharging method

1. Equipment description

- Vehicle-to-load discharging (VTOL) connection equipment: The equipment consists of discharging plug, power socket, cable and discharging plug protection cover.
- Specifications of equipment: rated 220V/16A/50Hz; exterior discharging is performed through VTOL connection, with a maximum discharging power of 3.3kW.



2. Guidance on discharging operation

- Unlock the charging port cap switch, open the charging port cap and charging port protection cover.
 - Unlock the charging port cap, open the charging port cap and charging port protection cover with reference to the AC charging with household portable equipment.
- Inspection before discharging:
 - Make sure that the discharging vehicle has SOC not below 15%;
 - Make sure that the VTOL connection equipment has no abnormalities such as cracked housing, worn cable, rusted plug or foreign object.
 - Make sure that there is no water or foreign object in the charging port, and the metal terminal is not damaged or affected by rusting or corrosion. Ensure that there is no water or foreign matter in the charging port, and that the metal terminals are not damaged or influenced by rust or corrosion (refer to the picture of household portable charging gun before charging);
 - Do not charge if the above condition exists; otherwise, it may cause short circuit or electric shock, resulting in personal injury.

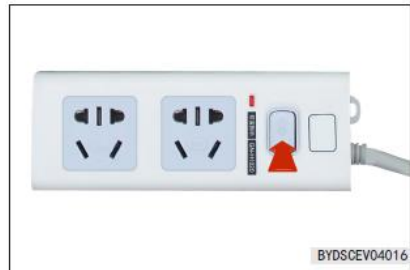
- Connecting the discharging connection equipment:
 - Connect the VTOL discharging plug to the charging port and lock it securely .



i Tip

- Do not forcibly insert the discharging plug when the electric lock is locked.

- Press the button on the discharging the socket indicator illuminate (red), indicating that the socket can be used.
- Discharging started:
 - After the discharging equipment is connected, start discharging of the vehicle. At the moment, discharging information will be displayed on the instrument.



3. Guidance on stop discharging

- End discharging:
 - Disconnect the load,
- Disconnecting the discharging connection equipment:
 - Press the mechanical button of the discharging plug and pull the discharging plug out of the charging port.
- Close the charging port protection cover and charging port cap (with reference to AC charging with household portable equipment).
- Sorting equipment:
 - Put the discharging equipment into the storage box in the trunk after discharging is completed.

Power Battery

- The power source of the vehicle is the power battery, which can be repeatedly charged and discharged, and it has a smart temperature control system to heat or cool the battery as needed, so that the battery is in the best working condition. The external power supply can be used to charge the power battery, which can be used for household single-phase AC charging, charging pile single-phase AC charging and charging pile DC charging. When the vehicle is braking or coasting, the power battery can also be charged by the motor.

Tip

- The power battery is located at the bottom of the body. Please drive carefully in case of rough road.
- If the power battery bumps,, it is suggested to contact BYD Auto Authorized Service Provider.

- Due to the chemical characteristics of the battery itself, the performance of the vehicle is different in the following situations:
 - When the power battery is in high charge, the feedback performance of the vehicle will be weakened, and it will be enhanced when the charge is reduced. During this period, the feedback performance has a transitional stage of enhancement.
 - When the power battery is low, the acceleration performance of the vehicle will decrease.
 - At high or low temperature, the charging and discharging port capacity of the power battery will be weakened, and at extreme temperature and low power, there may be cases of weak acceleration and insufficient power.
 - At low temperatures, the power battery SOC will decrease. The SOC will decrease as the temperature decreases.

It is suggested that the vehicle be operated at an battery temperature of $-10\sim 40^{\circ}\text{C}$. When the battery is low, please charge it in time to ensure sufficient driving range and good acceleration performance.

- When the power battery is normal, the driving range of the vehicle is affected by the following factors:
 - Driving habit: For example, the driving range of the vehicle driven with frequent acceleration and deceleration is shorter than that at constant speed, and the driving range of the vehicle driven at a high speed is shorter than that at a low speed.
 - Road condition: The driving range of the vehicle driven on a bumpy road or long slope is shorter than that on a flat and dry road.
 - Air temperature: The driving range of the vehicle driven in a low temperature environment is shorter than that in a normal temperature environment.
 - Use of electrical equipment: The driving range of the vehicle driven with A/C turned on is shorter than that with the A/C turned off.

When driving the vehicle, avoid frequent rapid acceleration and deceleration, drive on a flat and dry road, turn off high-power electrical equipment such as A/C or adjust the set temperature of the A/C if necessary to reduce the electric energy consumed by high-power electrical equipment and increase the driving range.

- When the vehicle is operated for the first time or after being parked for a long time, the SOC displayed on the instrument may deviate. In this case, it is recommended that the vehicle be fully charged.
- To keep the power battery be in its best service state, fully charge the power battery with charging equipment at regular intervals (it is recommended to fully charge at least once a week).
- When the power battery is charged to a high level, it will switch to trickle charging mode, and the terminal charging time will be longer.
- At a high or low temperature, the charging and discharging capacity of the power battery will decrease, with lengthened charging time, which is normal. In this case, it is recommended to use high-power charging equipment for fast charging.
- In the low-temperature and high-power state, based on the low-temperature characteristics of the battery, the charging current is small, so in order to shorten the charging time, it is recommended that you charge your car in the low-power state in the low-temperature environment.
- Low-temperature and low-power AC charging is limited by charging power, and battery self-heating is small. In order to improve the charging capacity, battery heating will be started at this time, the heating energy consumption will increase compared with DC charging, and the charging time will increase at the same time, which is the normal performance of charging in low temperature environment.
- To improve the vehicle driving experience, it is recommended that the vehicle be charged immediately after being driven. At this moment, the temperature of power battery is relatively high and the charging performance can be improved. If the battery temperature is low, the battery may quickly reach the end of charging state to avoid damage to the battery.
- Both the performance of the battery temperature control system and the charging performance of the vehicle will be affected if A/C is turned on during charging at a low temperature. When the temperature of the power battery is too high during driving, the charging and discharging port capacity of the power battery will gradually decrease, so as to cool down the battery, which is a normal phenomenon. If the battery temperature continues to rise, the meter will light up the battery overheat lamp. At this time, please stop the vehicle until the battery overheat lamp goes out. If the battery overheat lamp does not go out for a long time or lights up frequently, it is recommended to go to the BYD Auto Authorized Service Provider for maintenance.
- Battery heating is slow heating type. When driving for a short time, the temperature control system of the battery has no obvious effect, and it will also increase power consumption and shorten driving range. When driving for a long time, the battery itself heats up, causing the temperature to rise continuously. At this time, your vehicle battery needs less heating. In order to better enhance your driving experience, the battery temperature control system is mainly to ensure low-temperature charging performance.

116 4-2 Battery

- If the vehicle is parked for a long time, it can be placed in high temperature areas such as underground garages and warm storages to reduce the loss of battery heat and ensure vehicle performance.



Note

- To ensure safety of the power battery, park the vehicle away from flammable and explosive materials, fire sources and hazardous chemicals.
- The power battery SOC decreases with operation of the vehicle.
- Charging and parking the vehicle should be far away from heat sources and avoid prolonged exposure to sunlight; otherwise, the service life of the power battery will be shortened.
- Do not store the vehicle in an environment higher than 40°C for a long time (more than 15 days), otherwise the service life of the power battery will be reduced.
- When the vehicle is not to be operated for a long time (more than 7 days), it is recommended to keep the power battery with 30%~50% SOC to prolong the service life of the power battery. When the vehicle is not to be operated for more than 3 months, the power battery must be fully charged and then discharge to 30%~50% SOC every 3 months; otherwise, it may cause over-discharge of the power battery, reduce the battery performance or even damage the battery. Any vehicle fault or damage so caused will not be covered by quality warranty.
- Heavy current charging and discharging will reduce the service life of power battery. It is recommended to use low-power charging device to charge, and try to avoid sudden acceleration and deceleration of vehicles.



Warning

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

- To avoid personal injury, do not touch the power battery directly.
- Please contact the BYD authorized service center as soon as possible;
- If the power battery is damaged and the battery liquid is found to be leaking, please do not touch the liquid. If this liquid comes into contact with your skin or eyes, immediately flush with water and seek medical attention.
- If the vehicle catches fire, use special fire extinguishers rather than water-based fire extinguishers to put out fire.

Power battery recycling

When the new energy vehicle meets the scrapping requirements, it is recommended that the following procedure be observed:

1. Send the vehicle to a BYD authorized recycling service provider, where BYD will evaluate the residual value of its power batteries.
2. Scrap the vehicle evaluated to an enterprise engaged in vehicle recycling and disassembling to remove its power batteries.
3. Hand over the used power batteries removed to the BYD authorized recycling service provider for cash.

Warning

- Any new energy vehicle owner has the responsibility and obligation to hand over used power batteries to a designated recycling service provider. Anyone who hands over used power batteries to any other organization or individual or removes and disassembles any power batteries privately shall be liable for environment pollution or safety accident so caused.

Start Battery

- Check the condition of the battery once a month. Check the corrosion degree of terminals.
- If the terminal is corroded to a certain extent, baking soda water should be coated on the surface of the terminal, and bubbles will be generated, and the baking soda water will gradually turn brown. After no bubbles appear, wash it with clean water and dry it with cloth. Finally, grease the surface of the terminal to prevent corrosion.
- If the joint connection is loose, tighten the nut of the clamp (but not too tight). Tighten the press until it can keep the battery fixed in its position. Excessive tightening will damage the battery box.

Tip

- When the battery is short of electrolyte, it is necessary to replace the battery. Do not add electrolyte by yourself.
- If you leave the vehicle, please make sure that the doors are closed and all electrical equipment is turned off.
- If the vehicle needs to be placed for a long time, please disconnect the negative wire by yourself.

118 4-2 Battery

Warning

- The battery will produce flammable and explosive hydrogen. Avoid sparking the battery when using the tool. Please don't smoke and light near the battery.
- Avoid electrolyte contact with eyes, skin or clothes.
- Do not drink electrolyte by mistake.
- Wear safety goggles when working near the battery. If electrolyte spills into eyes, rinse with plenty of clean water and go to the hospital immediately.
- Keep children away from the battery.
- If electrolyte splashes on the skin, wash the skin with baking soda water. If you feel pain or burns, you should seek medical attention immediately.
- If the electrolyte spills on clothes, it may seep into the clothes and touch the skin. Therefore, you must take off your clothes immediately, and if necessary, you must handle it according to the methods mentioned above.
- When the battery needs to be connected to other chargers, the positive and negative cables should be disconnected to prevent damage to the vehicle electrical system.
- Charging the battery when the cable is not disconnected may seriously damage the electronic control device on the vehicle. Remove the battery cable before connecting the battery to the charger.
- If the battery runs out of power, the clock and preset channel settings on the audio system will be canceled. You need to reset the clock and preset channels.

Note

- When checking the battery, first remove the grounding cable on the negative terminal (-mark) and install it at the end.
- Avoid short circuit when using the tool.
- When cleaning the battery, be careful not to let liquid enter the battery.

Running-in Period

- Immediately check the vehicle if the electric powertrain is hard to start or often stops running.
- Stop and check the vehicle if the electric powertrain produces any abnormal noise.
- Stop and check the vehicle if the electric powertrain is found with serious leakage of coolant and lubricating oil.
- The electric powertrain needs running-in. It is recommended to take running-in test in the first 2,000 km of mileage in ECO mode. The service life of the vehicle may be extended effectively by driving steadily, avoiding high-speed driving and observing the simply main points as follows:
 - Avoid depressing the accelerator pedal to the floor during starting and driving.
 - Avoid over speed driving when driving the vehicle.
 - Avoid emergency braking within the first 300 km of mileage.
 - Do not drive the vehicle speedily or slowly at a constant speed for a long time.

Trailer Towing

- This vehicle is designed primarily for the transport of passengers. For the safety of yourself and others, do not overload or tow.
- Towing trailer with the vehicle will have adverse effects in terms of control, performance, braking, durability, economic driving, electric energy consumption and other aspects.
- Driving safety and comfort depend entirely on the proper use of equipment and careful driving habits.
- BYD Auto will not provide warranties for damage or faults caused by towing for commercial purposes.

120 4-3 Main Points of Use

Ways to save electricity and extend the service life of the vehicle

- The electric energy saving method is simple, easy and conducive to extending the service life of the vehicle.
- The following are some main points for saving electricity and maintenance & repair cost:
 - The vehicle is provided with energy recovery function and the energy recovery intensity can be set in the vehicle setting interface of the multimedia system. When the energy recovery mode is set to a high intensity, the energy recovered during braking and slipping of the vehicle will be increased. Please set according to your driving habits.
 - Driving the vehicle at a constant speed helps to save electric energy, while rapid acceleration, taking sharp turns and emergency brake will consume more electric energy.
 - Keep a constant speed in driving as far as possible depending on the traffic condition, as each acceleration of the vehicle will consume additional electric energy.
 - Under appropriate driving conditions, using cruise control (if any) can save more electric energy.
 - The operation of A/C will increase additional load for the power battery, consuming more electric energy. Turn off the A/C to reduce power consumption. When the exterior air temperature is suitable, use the external air circulation mode as the air intake mode.
 - Keep correct tire pressure. Insufficient tire pressure will result in wear of tires and waste of electric energy.
 - Avoid loading unnecessary weights onto the vehicle. Excessive weights will increase the load of the powertrain, resulting in the consumption of more energy.
 - Accelerate the vehicle slowly and steadily. Avoid quick starting, abrupt acceleration and abrupt deceleration.
 - Avoid unnecessary parking or braking. Keeping a steady speed and driving with traffic lights can minimize the number of stops. or drive on a thoroughfare without traffic lights, with an appropriate distance kept from vehicles ahead to avoid emergency brake, which will also reduce the wear of the brake.

- Try to avoid roads with heavy traffic or traffic jams.
- Don't put your foot on the brake pedal all the time, which will cause excessive wear and overheating of the brake friction plate and consume a lot of electric energy.
- Maintain an appropriate speed when driving on an expressway. Higher vehicle speed will result in consumption of more electric energy. Keeping the speed in the range of economic hourly speed can save electric energy.
- Keep the front wheels properly aligned, avoid causing collision with kerbstones and drive slowly on bumpy roads. Misalignment of front wheels will not only cause too fast wear of tires, but also lead to addition of load to the electric powertrain, resulting in increased electric energy consumption.
- Keep the chassis clean and free of mud and other foreign objects to reduce the weight of the vehicle body and prevent corrosion.



Note

- Do not coast in neutral when driving the vehicle.

122 4-3 Main Points of Use

Carrying Luggage

This vehicle is equipped with a number of convenient storage spaces, so that you can place your articles conveniently.

- The glove box, the glove box on the interior trim panel and the file bag on the seat back are designed for storing small and light-weight items, while the luggage case is used for storing larger and heavier items.
- You can carry long items in the car when the seat is down. However, both overloading and improper loading will affect maneuverability and stability of the vehicle and may result in collision accidents.
- When loading luggage, the total mass of the vehicle body, all passengers and luggage should not exceed the maximum allowable mass.



Warning

- Overload and improper loading will affect the maneuverability and stability of the vehicle, and may lead to a crash.
- Please observe the total load limit and other loading criteria in this manual.
- Do not carry strong magnetic articles with you, so as not to interfere with the normal operation of the vehicle.

Carrying items in the passenger area:

- All items that may be thrown into the car and passengers during the collision must be put away or fixed.
- Don't store anything on the rear window sill, otherwise it will block your sight and throw it around in the car during the collision.
- Make sure that any object placed on the floor behind front seats will not roll under the seats, so as to avoid affecting the driver's ability to control the pedal or the normal adjustment of front seats. Do not pile up any object beyond front backrests.
- When driving, make sure that the glove box is always closed. If the glove box cover is open, it may hurt the occupants knees during collision or emergency stop.

Carrying luggage on the trunk:

- Place all luggage evenly on the trunk floor and place the heaviest one at the foremost position as far as possible.
- Fix objects with a rope or chain, so that they will not move during driving. Do not pile up objects to a height higher than the front seat backrests.

It is recommended to contact BYD Auto Authorized Service Provider for strapping articles and fixing devices used on trunk.

Fire Prevention

To prevent vehicle, observe the following precautions:

- It is prohibited to store flammable and explosive materials in the car.
 - In hot summer, the internal temperature of a vehicle parked in the sun can be as high as 70°C or higher. For example, flammable and explosive articles such as lighters, cleaning agents, perfumes and the like are stored in the vehicle, which can easily cause fire and even explosion.
- Make sure the cigarette butts are completely extinguished after smoking.
 - If the cigarette butt is not completely extinguished, it may cause a fire.
- It is recommended to drive the vehicle to a BYD Auto Authorized Service Provider for inspection at regular intervals;
 - Check the vehicle lines at regular intervals to find out whether the connectors, insulation and fixing positions of electric appliances and wiring harnesses are normal. Any problem found should be solved in time.
- Do not refit the vehicle lines and install additional electrical appliances;
 - Installation of other electric appliances (such as high-power audio equipment and xenon headlight) will cause overload of the line, which will result in heating of wiring harness or even fire.
 - Using any fuse beyond the rated specifications of electric appliances or replacing the fuse with other metal wires is strictly prohibited.
- Correctly select parking positions;
 - Avoid stopping the vehicle at a place with sun exposure as far as possible.

124 4-3 Main Points of Use

- Always keep a portable fire extinguisher in the vehicle and master its application method;
 - In order to ensure the safety of vehicles, fire extinguishers should be equipped on the vehicles, and they should be inspected and replaced regularly. At the same time, you should be familiar with the use of fire extinguishers, and be prepared to avoid being helpless in case of accidents.
- When the vehicle is being repaired or maintained, it is necessary to disconnect the cathode wire of the battery.

Should the vehicle catch fire, calmly take effective measures to deal with the fire to minimize losses;

- Fire usually has early warning signs, such as abnormal sound and peculiar smell on the body. Once an abnormal situation is found, stop the car in time. It is best to park the car in a sheltered place and then take out the vehicle-mounted fire extinguisher to put out the fire.
- Call 119 in time, and call the insured insurance company to report the case, and ask the insurance company to handle it at the scene.
- After the fire brigade extinguishes the fire, ask the fire brigade for the police certificate and ask it to issue a description of the cause of the fire.
- After the accident, contact the insurance company in time to handle it afterwards.

Tip

- It is recommended that commercial insurances (such as spontaneous combustion loss insurance and robbery and theft insurance) be maintained to prevent any accidental loss of the vehicle.

Starting the Vehicle

Preparations before driving

- Check the surrounding situation before getting into vehicle.
- Adjust the seat position, the backrest angle, the seat cushion height, and the height of head protective device, and adjust the angle and height of steering wheel.
- Adjust the interior rearview mirror and exterior rearview mirrors of the vehicle.
- Make sure all doors are closed.
- Fasten the seat belt.

Safety inspections before driving

General exterior inspections of the vehicle

- Tire: Check the tire pressure with a tire pressure gauge, and carefully check whether there are cuts, damages or excessive wear.
- Wheel nuts: make sure all nuts are present and tightly fitted.
- Lights: confirm that all headlights, stop lights, clearance lights, and turn signal lights and other lights work normally. Check the light density of headlights.

General interior inspections of the vehicle

- Seat belts: check whether all seat belts can be fastened firmly and confirm that no seat belt is worn or scratched.
- Combination instrument: especially confirm that the maintenance prompt indicator, the instrument light and the defroster work normally.
- Brake pedal: confirm that the brake pedal has enough movement space.

General interior inspections of front compartment

- Backup fuses: confirm that all types of fuses with various rated charges in the fuse box have been provided.
- Antifreeze fluid level: confirm that the antifreeze fluid level is correct.

126 4-4 Starting and Driving

Vehicle starting method

Normal vehicle starting method:

- Securely apply parking brake;
- Turn off all unnecessary vehicle lights and accessories;
- Place the gearshift lever at "P" or "N" position;
- Fully depress the brake pedal;
- If the valid key is in the vehicle, press the START/STOP button at this time to start the vehicle.

Method of starting the vehicle with the key battery in dead mode.

If the vehicle cannot be started because of the low power of the electronic key, the vehicle can be started according to the following steps:

- Press the brake/start/stop button at the same time. At this time, the smart key system warning light lights up and the instrument in the vehicle sounds;
- Put the electronic smart key into the glove box of the auxiliary dashboard within 30s after the instrument sounds, and the instrument will sound a prompt again, and the warning light of the smart key system will go out at this time, so that the vehicle can be started.
- Start the vehicle within 5s after this instrument sounds.

Note

- Do not start for more than 20s at a time, or the wiring system will overheat.

Circumstances in which the vehicle cannot be started:

- The vehicle cannot be started in the following circumstances:
 - When the power button is pressed, if the smart key system warning light turns on, the buzzer in the vehicle buzzes, and the message of "Key is not detected" is displayed on the information display screen in the middle of the combination instrument, it indicates that the electronic smart key is not in the vehicle or cannot be detected due to interference.
 - The vehicle may also fail to be started even if the electronic smart key is in the vehicle (however, on the floor, or in the cup holder, trunk or right glove box).

- When the START button is pressed and the starting function cannot work normally, it may be caused by the following reasons:
 - The electronic smart key does not work, the smart key system warning light on the combination instrument flashes, and the message of "Low key battery" is displayed on the combination instrument, indicating that the key battery may have run out. Put the electronic smart key into the glove box of the auxiliary dashboard to start the vehicle. Otherwise, the electronic smart key battery should be replaced as soon as possible.
 - The motor is repeatedly started for short periods of time at 10s intervals.
 - In addition, due to the use environment, the PEPS can't work normally in some cases. For details, see "PEPS System" in the Chapter "3- Operation of the controller".

Emergency vehicle starting method:

- Securely apply parking brake.
- Turn off all unnecessary vehicle lights and accessories.
- Place the gearshift lever at "P" or "N" position.
- Set the vehicle power to "OFF" mode;
- Confirm the electronic smart key is in the vehicle.
- Press and hold the START button for more than 15s to start the vehicle.

Remote control start

Remote control starting function of electronic smart key

Before starting

- 1.Set the vehicle power to "OFF" mode;
- 2.Place the gearshift lever at "P" position.
- 3.The vehicle speed is less than 5 km/h.

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Starting the Vehicle

1. Press and hold the "REMOTE START/STOP" button on the electronic smart key for 2s to start the vehicle. After the vehicle is started successfully, the turn signals will flash 3 times;
2. After a successful remote start, if no effective operation is performed within 10min, the vehicle will switch off and power down to OFF and the turn signals will flash 2 times.
3. After successful starting, pressing and holding the "REMOTE START/STOP" button on the electronic smart key for 2s will stop the motor and power OFF the vehicle; at the moment, the turn signals will flash twice.


Gear actuator

- Shift positions of the Shifting operation mechanism are marked on the shift panel, as shown in arrow **1**.
- P gear is parking gear. Press the button shown in the arrow **2** on the right to realize parking. It should be in this position when stop or start the vehicle. Press the brake pedal to start the vehicle and switch from the P position to other position.



Note

- To prevent damaging the transmission, the "P" position button must be pressed after the vehicle is stopped steadily.

- "R": reverse position. Shift to R position only after the vehicle is parked steadily.
- "N": neutral position. Shift to N position for stopping the vehicle for a short time. For whatever reasons, the vehicle must be set in "P" position
- P  gear is parking gear. Press this button to realize parking.
- "D": drive position. Shift to D position to normally drive the vehicle.
- After successful shifting, release the gearshift lever, and the gearshift lever will automatically return to the central position.

When in gear, the "unlock" button **1** must be pressed at the same time to enable the R gear, N gear and D gear.



Warning



- If the vehicle is still moved after the motor is powered off and put into N gear, the gearbox will be seriously damaged because it cannot be lubricated.
- If the motor runs and the gearshift lever has been placed to "R"/"D" position, be sure to depress the brake pedal to stop the vehicle, because the transmission can transfer power, resulting in slow moving forward of the vehicle, even if under the idle speed condition;
- Be sure not to depress the accelerator pedal when shifting the gear during vehicle running, so as to prevent the occurrence of any accident.
- Be sure not to push the gearshift lever to "R" position or press the "P" button during vehicle running, so as to prevent the occurrence of any accident.
- Vehicles are not allowed to go down the slope in N or P gear, even when the motor is not running.
- To prevent unintentional movement of the vehicle, pull up the parking brake and press the "P" position button after the vehicle is stopped steadily.

Electric parking brake


Make sure that the EPB switch is pulled up when parking and leaving the vehicle.



Manually pull up the EPB

Pull up switch , the indicator  on the instrument will flash first before staying on. Staying on of this indicator indicates that the EPB has been applied, and the message of "EPB activated" will be displayed.



Automatic pull-up function of EPB

- When the vehicle is powered OFF or the START/STOP button is in OFF, the EPB will automatically pull up, and the indicator  on the instrument will light up and the message of "EPB activated" will be displayed.

Manual release of EPB

Press the START/STOP button to "OK" or start the vehicle, keep the brake pedal pressed in non-"P" gear and press the switch down until the indicator on the instrument goes out, this means that the EPB has been released and there is a text message "EPB has been released".

Automatic release of EPB when starting the car

- With the vehicle parked, start the vehicle, depress and keep holding the brake pedal, and shift to D position or R position from P position or N position, and then the EPB will be released automatically, the indicator  will go out, and the instrument will display the message of "EPB deactivated".
- When the vehicle has been started and the gearshift lever is in D or R position, manually pull up the EPB and slowly depress the accelerator pedal to a certain depth, and then the EPB will be released automatically, the indicator  will go out, and the instrument will display the message of "EPB deactivated".

**Note**

- Please follow the correct shift instructions and keep depressing the brake pedal throughout the shifting process.
- When starting the vehicle for the first time, you must wait 3s before putting it in gear.
- When shifting from P gear to any gear, the release condition of EPB is that the brake pedal must be pressed 0.4s before shifting. Otherwise, you need to press the accelerator pedal to release EPB.

Hill-start assist control

When the vehicle is equipped with ESP and EPB, the HHC (hill-start assist control) function of ESP takes precedence when shifting from "P" to "D" or "R" (driving gear) and EPB is not released when shifting from "P" to "D" or "R" if HHC is reported as faulty. When you step on the accelerator pedal, the vehicle can start easily.

Emergency braking function

When the vehicle needs to be braked during driving, if the foot brake is found to be invalid or blocked, the EPB switch can be continuously pulled to forcibly brake the vehicle and stop the vehicle. At this time, the indicator on the instrument will light up, and an alarm sound and a text reminder "EPB has not been released" will be issued.

**Warning**

- Avoid forcible braking by applying the EPB. The emergency brake function can be activated only in emergency cases, such as failure of service brake and blocking of brake pedal.
- As the EPB cannot go beyond the physical limit of road adhesion, the activation of emergency brake function may result in drift, sideslip or deflection of the vehicle when the vehicle passes through bends, dangerous and heavy-traffic road sections or when the vehicle is driven under severe weather conditions. Be careful and do not cause any accident.


Failure release function

- When the manual release of the EPB is ineffective, please hold down the switch for more than 2s. If the EPB can be released, drive to the nearest repair shop as soon as possible to check the switching signal of brake pedal and the relevant parts and lines. If the EPB cannot be released after doing so, immediately contact a BYD Auto Authorized Service Provider.
- The ESP system works normally when the vehicle is running. If the braking is blocked or fails, CDP (controlled deceleration parking) can be used for emergency braking. The specific operations are as follows:
 - If only the EPB switch is pulled, the braking deceleration is 0.4g;

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- If you pull up the EPB switch and press the brake pedal at the same time, the brake deceleration will be 0.8g
- EPB forced braking should be avoided in emergency situations such as non-brake failure or blocked brake pedal.

EPB system indicator

- When the START/STOP button is on, if the EPB is pulled up, the indicator on the instrument will light up.
- When the START/STOP button is off, if the EPB is pulled up, the indicator on the instrument will go out after about 30s.
- When the START/STOP button is on, the EPB system will conduct self-test, and the indicator  on the instrument will go out after about 3s. If it is not off, it means that the EPB system may be faulty. In this case, contact a BYD Auto Authorized Service Provider.

EPB working sound

- In the process of pulling up or releasing, the driver will hear the sound of the EPB system motor running.
- If any burning smell is smelt or any abnormal noise is heard after using the emergency brake function, it is recommended to immediately contact a BYD Auto Authorized Service Provider.

Warning

- To prevent hill slipping, do not park the vehicle with the gear shift mechanism instead of EPB before leaving the vehicle, but use the EPB to park the vehicle and keep the gearshift lever in P position.
- When the vehicle is running, passengers inside the vehicle are forbidden to operate the EPB switch. If the EPB is fully pulled up, it may cause serious accidents.
- When pulling up or releasing the EPB, depress the brake pedal as far as possible to prevent vehicle sliding and the blocking of gearshift lever position arising from sliding because the EPB cannot provide enough parking force.

Main Points of Driving

- Drive slowly when driving against the wind, because it is easy to control the vehicle by doing so.
- When driving on a curb road, you should drive slowly and keep the right angle as much as possible. Avoid driving the vehicle over objects with high and sharp edges or over other obstacles on the road, otherwise, the tires may be seriously damaged.
- Slow down when driving on a bumpy road. Otherwise, wheels will be seriously damaged by impact.
- Washing the vehicle or driving through deep water will wet the brake. You should drive carefully and lightly step on the brake pedal to dry the brake.

Tip

- Before driving the vehicle, be sure to fully release the electrical parking brake and confirm that the parking brake indicator is off.
- Do not leave the vehicle when the motor is running.
- Do not put your foot on the brake pedal while driving. This will lead to dangerous overheating, wear and waste of power.
- Slow down the vehicle and switch to the low-speed position when driving down a long-distance and steep hill. Remember that frequently depressing the brake pedal will cause overheat of the brake disc, so that the brake disc cannot work normally.
- Be careful when accelerating, shifting gear or braking the vehicle on a smooth road. Quick acceleration or braking will result in slipping or deflection of the vehicle.
- Do not extend head or hands outside the window when the vehicle is running, so as to avoid the occurrence of traffic accidents that may threaten the safety of lives. Be always on alert, especially when there is any child inside the vehicle.
- Avoid driving the vehicle through the waterlogged road surface when the vehicle has to be driven on a wet road.
- Plenty of water entering the front compartment will cause damage to the motor power system and electrical components.

Warning

- The driver shall ensure the riding safety of all passengers in the vehicle, guide them how to correctly use the vehicle functions and prevent children and other passengers operating control switches such as window switches in a wrong way

Precautions for driving through waterlogged roads

- The depth of the accumulated water must be checked before entering the section of accumulated water. The height of the accumulated water must not exceed the lower edge of the vehicle body.
- If you need to wading, turn off the A/C before starting the vehicle, hang the gearshift lever in low gear, then lightly press the accelerator pedal without loosening your foot, and pass through the stagnant road at a stable and slow speed.
- Don't park the vehicle in water, and never reverse or turn off the drive motor in the water.
- Driving through deep water may wet the brakes, so you should drive carefully. After successfully wading through the water accumulation area, you must gently step on the brake pedal several times to evaporate the water on the brake disc in order to restore normal braking performance as soon as possible.



Warning

- If there is water or mud on the surface of the brake disc, the brake response will be delayed, which will prolong the braking distance. Be careful to prevent accidents.
- Carefully brake the wet brake to remove the ice or water on the brake.
- Avoid emergency braking as much as possible after driving through a section of water.
- If the vehicle is driving on a low-lying road. Please be careful not to get water into the drive motor, otherwise the drive motor will be seriously damaged. The resulting vehicle breakdown and damage will no longer be warranted.
- After the vehicle is driven over a section of water, automotive components such as the transmission system, driving system, and electrical system may also be severely damaged. The resulting vehicle failure and damage will not be covered by the warranty.

Influence of water inflow in HV parts:

- High-voltage parts belong to electronic devices, and drying and air-drying the high-voltage parts after flooding the vehicle can't guarantee the full evaporation of water.
- High-voltage components have a great influence on their insulation after water immersion. At the same time, there are many conductive substances in the water, which may cause internal short circuit of high-voltage components or risk of short circuit in high-voltage system. In this case, the safety performance and service performance of the whole vehicle are seriously affected.
- After the high-voltage parts immerse water, they have a great influence on the performance of products such as IP and withstand voltage, and there is a great safety risk.
- It is also necessary to pay attention to choosing places with shelter from rain as far as possible to charge in strong convective weather; If the vehicle soaks in water or wades over the threshold position, which may lead to water ingress inside the high-voltage parts, it is necessary to contact BYD Auto Authorized Service Provider for proper detection and treatment; It is strictly forbidden to drive on the road where the accumulated water exceeds half of the tires.

Main points of driving in winter

- Confirm that the antifreeze has the correct anti-freezing and protective effect.
 - Use the antifreeze with the same model as that of the original one for the vehicle. Select the antifreeze with the correct model as per the ambient temperature and fill the fluid into the cooling system.
 - Improper use of antifreeze will damage the motor cooling system.
- Check the conditions of battery and cables.
 - Cold weather will decrease the capacity of start battery, so the start battery should maintain enough power to start the vehicle in winter.
- Prevent the door lock from being frozen by ice and snow.
 - Spray some deicing agent or glycerin in door lock holes to prevent freezing.
- Use the washing fluid containing anti-freeze agent.
 - This product is supplied in any BYD Auto Authorized Service Provider and all automotive parts stores.
 - The mixing ratio of water and anti-freeze agent should comply with the manufacturer's instructions.




Note

- Do not use the other substitutes as washing fluid, which may damage the painted vehicle surface.
-
- Prevent ice or snow from accumulating on the lower parts of fenders.
 - Any ice or snow accumulated on the lower parts of fenders may cause difficulty in steering. When driving in severe winter, stop often and check for snow and ice under the fenders.
 - It is recommended to carry necessary emergency tools or articles on the vehicle according to different driving and road conditions.
 - It is best to place the antiskid tire chain, window scraper, a bag of sand or salt, signal flasher, scoop and connecting cable inside the vehicle.

Constant speed cruise control (if any)

Cruise control function allows you to drive at a preset speed higher than 40 km/h without depressing the accelerator pedal. This function may be enabled for driving on a straight and unblocked expressway.

Turning on/off cruise control system

- Start the vehicle, shift to D position and press the cruise control switch **1**, at the moment, the cruise control indicator  on the combination instrument will illuminate.
- Press the cruise control switch **1** again or power off the vehicle to turn off the cruise control system.



Setting

When the vehicle speed exceeds the preset speed, press the Set button **4**, the current vehicle speed is set to the target cruise speed. At this time, the SET indicator on the instrument displays and the setting is successful.

Speed adjustment

- Move the lever up, and **2** press it short to increase by 2km/h; Long press to continuously increase.
- Move the lever down, and **2** press it short to decrease by 2km/h; Press to decrease continuously.

Reset

- Press the reset button **5** to restore the stored speed before the last exit cruise. If the cruise speed has not been stored yet, use the current speed as the target speed.

Cancel the current setting speed:

- Press the key **3** or press the brake pedal to cancel the current set speed.

Passing acceleration

- In the cruise control mode, if you depress the accelerator pedal to accelerate and no other operation is performed after acceleration, the vehicle will slow down to the speed set before the acceleration; if you depress the accelerator pedal and meanwhile press set button **4**, the speed can be set and the vehicle will cruise at this speed.

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Note

- Incorrect use of cruise control system may cause vehicle accident.
- Cruise control system is only for smooth traffic (like expressway) in good weather.

Tip

- When the vehicle is started and idling in place, you can enter the constant speed cruise speed setting interface, but you cannot set the speed.
- When the vehicle is started, the gear is in D and the vehicle speed is less than 40km/h, the cruise control speed setting screen can be accessed when the system is switched on, but the vehicle speed cannot be set.

All-around View Monitor System (If Any)

After pressing the  button on the steering wheel, enter the panoramic image screen.



- Tap the front, rear, right or left area of the vehicle icon on the left side to display a single view of the front, rear, right or left view of the vehicle in the right image area.
- In the front or rear single view, double-tap the image area to switch to 180° viewing angle in full screen.



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Click the radar icon in the panoramic image to turn on the radar display, and click again to turn off the radar display. After the radar display is turned on, when approaching an obstacle, the image will display an obstacle warning.

Warning

- As fish-eye wide angle cameras are applied to the system, there may be certain difference between the objects displayed and the actual ones.
- The all-around view monitor system is only used for assisting parking/driving. However, parking or driving the vehicle only depending on this system is unsafe, because there are some dead zones both in front of and behind the vehicle. To avoid causing accidents, the surroundings of the vehicle should also be observed by other means during parking/driving.
- Do not use the all-around view monitor system if exterior rearview mirrors are not extended in place. Make sure that all doors are properly closed when operating the vehicle with the help of the all-around view monitor system.
- There may be some difference between the distance displayed on the screen of all-around view monitor and the distance felt by the driver. Especially when an object gets closer to the vehicle, the driver should judge the distance between the vehicle and the object by multiple means.
- The cameras are installed on the front grille, under the left and right exterior rearview mirrors and above the rear license plate. Make sure that all these cameras are not covered or obstructed.
- To prevent affecting the performance of cameras, avoid directly washing these cameras when washing the vehicle body with high-pressure water.
- Do not hit or knock on cameras by any means, because doing so may cause failure of or damage to cameras.
- If the multimedia system has not been completely started after the vehicle is powered on, pressing the start button of the all-around view monitor or shifting to R position will result in delayed output of all-around view monitor images.

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Parking Image System (if any)

- The parking image system helps drivers park by displaying images of surrounding objects in real time.
- Parking image system is an auxiliary means of parking, which is divided into reversing image mode and right front image mode.

Tip

- When using this system, it can be used in conjunction with the parking assist system and the interior and exterior rearview mirror, but don't rely too much on it. When the surrounding space is very narrow, please direct the parking manually if necessary.
- Please don't just look at the screen to park. There is an error between the perceived distance between the object and the plane on the screen and the actual distance. If you only look at the screen to park, you may hit other vehicles, pedestrians or obstacles. Be sure to actually observe the surrounding objects before parking with the parking image system.
- Do not use this system when the trunk lid is not fully closed.
- If you are rear-ended or hit an obstacle, the position and installation angle of the camera will change. It is recommended to contact an authorized BYD Auto Authorized Service Provider to check the position and installation angle of the camera.
- Because the camera has dustproof and waterproof structure, please do not remove, disassemble or modify it. Otherwise, it may not work.
- If the temperature changes rapidly, the system may not work properly.
- If water marks, snowflakes and dirt stick on the lens, wash it with water and dry it with a soft cloth. For foreign matters that are not easy to wipe off, such as oil stains, rubber, etc., please clean them with soft detergent and water, and then wipe them with a soft cloth.
- Please do not stick organic solvent, car wax, window cleaner or glass film to the camera. If you accidentally stick it, please remove it immediately.
- Please confirm the objects around the vehicle, because the displayed image may be blurred or dark. When the temperature outside the vehicle is low, the moving image will be distorted or not clearly visible. When parking, be sure to observe the situation around the vehicle through observation and rearview mirror.
- Do not use the parking image system when turning on the turn signal or emergency light. If there are flashing lights around, please turn off the parking image system. Flashing lights can cause a flickering image on the screen which may interfere with your view of the environment or even affect your parking and lead to an accident.


Note

Under the following circumstances, even if the system functions normally, it may be difficult to see images on the screen.

- In the dark (such as at night);
- The temperature near the lens is extremely high or extremely low;
- There are water droplets on the lens, or the humidity is high;
- Foreign objects (such as snowflakes or dirt) stick on the lens;
- The lens has scratches or dirt;
- There is a strong light on the lens.

If the camera captures a strong point light source, it will display a spot on the screen, which will disturb the surrounding scene and make it difficult to see the scene clearly.

Use of parking image system

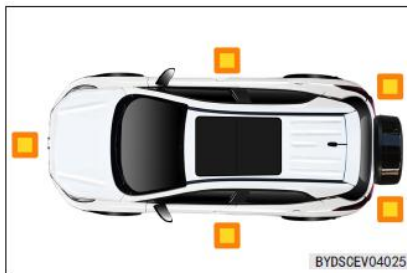
When the vehicle is powered up (OK), press the  button on the steering wheel to enter the right front image screen, and press the corresponding button again to close the right front image screen.



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- The field of view of the camera is limited, and the objects near the corners on both sides of the bumper or the objects under the bumper cant be seen on the reversing image; On the right front image, you cant see the objects not far in front of the vehicle, the middle right side and the rear side, as shown in the following figure:


- The object is near the bumper corner, in the middle of the body or in front of it.



- The object is located under the rear bumper

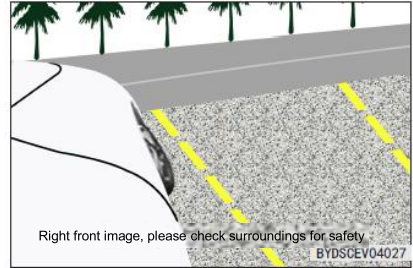


Operation during parking

- The parking camera system can be activated when the vehicle needs to be parked.
- If reversing is not required, the right front view mode can be enabled directly. By directly observing the surrounding environment and using the image system, the car slowly approaches the position where it needs to be parked.
- When the start button is set to OK, turn the shift lever to the R position to start the reversing image mode, and press the button  on the steering wheel to switch the reversing image screen from the right front image screen.

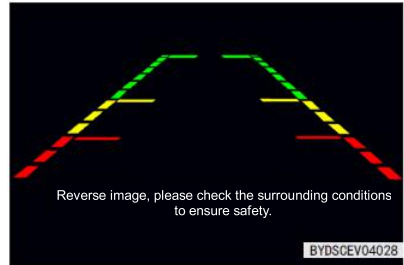
Park assist image screen (if any)

Right front image frame



Reverse image screen

- The three lines in the figure are reverse safety lines.
 - Red: about 0 ~ 0.5m.
 - Yellow: about 0.5~1m.
 - Green: about 1~3m.
- The displayed area varies with the direction of the vehicle and the road conditions.



Tip

- This system can only assist parking, but cant replace the drivers judgment on the external situation. In all cases, the driver is responsible for the safety of the vehicle, making sure there is enough space and always looking around the vehicle when reversing.
- The reversing safety line is only a distance reference for the vehicle under no-load conditions.

144 4-5 Driving Assistance Function

Parking Assist System (if Any)

- During vehicle reversing, the parking assist system can prompt the driver the distance between the vehicle and an obstacle through display of indicator on the multimedia display screen (if any) and the alarm of the speaker. This system detects obstacles by utilizing sensors.
- Parking assist system is a method for helping reversing. Observe the environment behind the vehicle and the surroundings during reversing.
- When you reverse the vehicle, a reversing image will be displayed on the system screen automatically.
- For your driving safety, when the reversing image is displayed, all buttons will be disabled except some volume and phone related buttons.
- After reversing ends, the interface will be restored.



Warning

- When the vehicle speed is greater than 10 km/h, the parking assist system will stop working.
- Do not add any other articles within the working scope of sensors.
- Do not wash the positions of sensors with water or steam when washing the vehicle. Otherwise, a sensor failure will be caused.

Reversing sensor power button

- Park assist system is automatically switched on when the power gear is in OK or in R.
- When the system is off, press the reversing radar switch on the multimedia display to turn on the system; When the system is on, press the reversing radar switch again to turn off the system.
- With the system on, when obstacles exist around the vehicle, alarm will be issued. With the system off, no alarm will be issued.



Type of sensor

- The corresponding image will be displayed on the multimedia display screen (if any) based on the orientation of obstacle and the distance between vehicle and obstacle when an obstacle is detected by sensors.
- For parallel parking or reverse parking, sensors can measure the distance between vehicle and obstacle and transmit the measured distance to the multimedia display screen and the speaker. Be sure to watch the surroundings when using this system.

The position of the sensor

- Front right corner sensor (if any)
- Front left corner sensor (if any)
- Rear right corner sensor
- Right rear center sensor
- Left rear center sensor
- Rear left corner sensor



Distance display Alarm



- When an obstacle is detected by sensors, the orientation of the obstacle and the approximate distance between vehicle and obstacle will be displayed and the speaker will sound.

Central sensor



Approximate distance (mm)	Slow	Fast	Continuous
Example of rear center sensor display			
Loudspeaker	Slow	Fast	Continuous

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Operation examples of rear corner sensor

Approximate distance (mm)	Fast	Continuous
Example of rear sensor display		
Loudspeaker	Fast	Continuous

Operation examples of front corner sensor

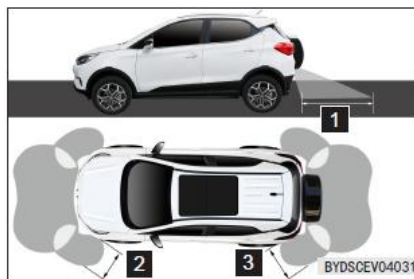
Approximate distance (mm)	Fast	Continuous
Example of front sensor display		
Loudspeaker	Fast	Continuous

Detection zones of sensors :

- Detection zones of sensors are given in the figure. As the detection zones are limited, be sure to check the surrounding of the vehicle before reversing the vehicle slowly.
- Depending on the shape of the obstacle, the detection range of the sensor may change.

1 About 120cm

2 About 60cm



Note

- Sensors may not detect obstacles that are particularly close to the vehicle.

Warning

- The parking assist system is only used for assisting you in parking and it cannot be used as a substitute for your judgment. Be sure to control the vehicle based on your observation.
 - Do not place accessories or other articles at the positions within the obstacle detection scope of sensors, because doing so may affect normal work of the system.
 - Under some conditions, the system cannot work normally. The system cannot detect the obstacle when the vehicle approaches to certain objects. For these reasons, be sure to observe the areas around the vehicle all the time and do not rely on the system only.
- A sensor's performance in correct detection of obstacles may be affected by some vehicle conditions and the surroundings of the vehicle. The details are as follows:
- There is dirt, ponding or mist on the sensor;
 - The sensor is covered by snow or is frozen;
 - The sensor is covered by any means;
 - The vehicle is obviously rolled or excessively overloaded;
 - The vehicle is on a bumpy road, slope, macadam pavement or grass land;
 - The sensor has been repainted;
 - The surroundings of the vehicle are very noisy because there is vehicle trumpet, sound of motorcycle engines, air brake sound of large vehicles and other supersonic noises;
 - There is another vehicle equipped with parking assist system nearby;
 - The bumper or the sensor has been impacted strongly;
 - The vehicle is approaching a high or zigzag kerb;
 - The vehicle is operated under sun exposure or in severely cold weather;
 - An suspension not from the original manufacturer has been installed.
- In addition to the above-mentioned circumstances, it may be impossible for the sensor to correctly judge the actual distance between vehicle and obstacle due to shape of the obstacle. Pay special attention to the following obstacles:
- Electric wires, fences, ropes, etc.;
 - Cotton, accumulated snow and other materials that can absorb radio wave;
 - Objects with sharp edges and corners;

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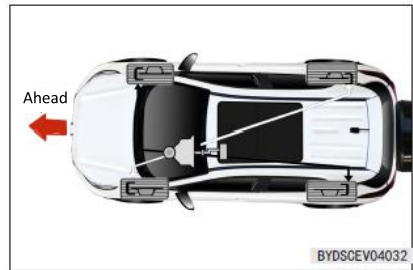
- Low obstacles;
 - High obstacles, the upper part of which extends toward your vehicle;
 - Any object under the bumpers;
 - Any object getting closer to the vehicle;
 - Any person near the vehicle (depending on the type of the person's clothes).
- Any image displayed on the multimedia display screen (if any) or sound of the speaker indicates that the sensor has detected an obstacle, or that the sensor has been disturbed by external objects. It is recommended to drive the vehicle to a BYD Auto Authorized Service Provider for inspection if such a phenomenon exists continuously.

Driving Safety Systems

To improve running safety of the vehicle, the following driving safety systems will work automatically according to various running conditions. However, be sure to keep in mind that these systems only provide assistance, so over-dependence on them should be avoided when driving the vehicle.

ABS (anti-lock brake system)

- The hydraulic system of ABS driving brake has two circuits (X-type arrangement). One circuit connects the left front wheel brake with the right rear wheel brake, and the other circuit connects the right front wheel brake with the left rear wheel brake. If either circuit fails, there are still two wheels that can be braked.
- ABS is helpful to preventing wheel locking or slipping in the case of suddenly applying braking force or applying braking force on the vehicle running on a wet and slippery road, so that you can maintain steering control.



- When front wheel tires slip, you cannot exercise steering control. That is to say, although you are turning the steering wheel, the vehicle keeps running forward. ABS is conducive to preventing locking. In addition, as impulse braking is much faster than human response, so ABS is helpful to maintaining steering control.
- Do not depress the brake pedal in a pulsing way. Otherwise, ABS will be failed. Keep applying a powerful and stable pressure on the brake pedal when turning the steering wheel to avoid danger, so that ABS can play its role. This is sometimes referred to as stepping firmly and turning accurately.
- When ABS is working, you will feel the vibration of brake pedal and may hear some noise. This is a normal phenomenon, because ABS is performing fast impulse braking. How quickly the ABS works depends on the driving force (adhesion) of the tire

Important safety tips

- ABS (anti-lock brake system) cannot shorten the time and distance needed for braking the vehicle. This system only helps you to control steering during braking. You should always keep a safe distance away from other vehicles.
- ABS cannot prevent slipping caused by sudden change of direction, e.g. trying to turn the vehicle quickly or changing to drive on another lane suddenly. Drive the vehicle carefully at a safe speed all the time, no matter what the road and weather conditions are.

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- ABS cannot prevent the reduction in stability. Perform steering properly during emergency brake. Big or sudden turning during driving may result in the vehicle's collision with oncoming vehicles or rushing out of the road.
- When running on a loose and soft or uneven road (e.g. the road covered by gravels or snow), the vehicle with ABS may need a longer braking distance than that without ABS. In this case, slow down the vehicle and keep a longer distance away from other vehicles.

ESP (electronic stability program) (if any)

- ESP works when the vehicle is started. ESP integrates three functional modules, i.e. ABS, VDC and TCS, as well as other value-added sub-functions such as HHC, HBA.
- VDC (vehicle dynamic control)

When the running vehicle takes a sudden turn, the VDC system will ascertain the intent of the driver according to the steering wheel angle and the vehicle speed and will continuously compare the intent with the actual vehicle condition. If the vehicle deflects from the normal running route, VDC will make corrections by applying braking force to corresponding wheels, so as to help the driver to control side slip and maintain the directional stability of the vehicle.

- TCS (traction control system)

TCS can prevent driving wheels from slipping during accelerated running by reducing the motor power. If necessary, TCS will apply braking force for the purpose of control, so as to prevent slipping of driving wheels. Under unfavorable running conditions, TCS makes the vehicle easy to start, accelerate and climb the hill.

- HHC (Hill-start Assist Control)

After releasing the brake pedal, the HHC maintains the braking pressure applied by the driver and allows up to 2s to move the foot from the brake pedal to the accelerator pedal, preventing the vehicle from sliding backwards when parked on a slope

- HBA (hydraulic brake assist)

When the driver quickly depresses the brake pedal, HBA can identify that the vehicle is in an emergency state and then quickly increase the braking pressure to the maximum value. Thus, the ABS will be activated more rapidly to shorten the braking distance in an effective way.

Operating instructions for ESP system

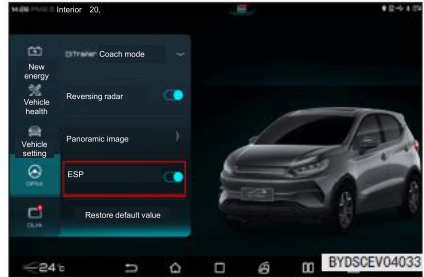
- Working of ESP system
 - If the vehicle faces the risk of sliding or reversing or any one of the driving wheels slips when the vehicle is started on a hill, the ESP indicator will flash, indicating that the ESP system is working.

■ Disable ESP system

- If the vehicle gets trapped in snow or mud, the ESP system may reduce the power output from the motor to the wheels. In such a case, you need to disable the system to get out of the trap.

■ Turn off ESP system

- When the ESP system needs to be turned off, the user can set [ESP] on or off through the multimedia interface.



- Select to turn on or off the ESP system after entering the ESP interface. In addition, ESP will check its working status in real time. If the ESP system is working, press the ESP OFF button to turn off the ESP system. However, the ESP system will not execute the "OFF" order at once, instead, the active intervention control is completed first. After the intervention control is completed, the ESP system will execute the off command of ESP OFF switch.

- After the ESP system is turned off, part of the ESP system functions will be reactivated if the ESP OFF button is pressed again or the vehicle speed is greater than the threshold value (80 km/h). To prevent sudden activation of ESP system functions, such functions can only be reactivated when the ESP system is not in the status with reservation of vehicle dynamic intervention.


■ Restart ESP system

- After the ESP system is turned off, restarting the motor will also restart the ESP system.

■ Starting of ESP system and linkage with vehicle speed

- If the ESP system has been turned off, the vehicle will be extremely unstable when the vehicle speed is increased to be greater than the threshold value (80 km/h). In this case, the ESP system will start automatically.

■ When the ESP system is activated


- When the ESP fault indicator  flashes, you must drive carefully, careless driving may cause an accident. Be careful when the indicator flashes.

■ When the ESP system is turned off

- Drive with special care and at a speed suitable to road conditions. If unnecessary, do not turn off the ESP system because it can ensure stability and driving force of the vehicle.

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- Replacement of tires
 - Make sure that all tires have the same size, brand, tread pattern and total load bearing capacity. In addition, make sure that all tires are inflated to the recommended tire pressure.
 - If different tires are installed on the vehicle, ABS and ESP systems cannot work normally.
 - Contact a BYD Auto Authorized Service Provider to get the details about replacement of tires or wheels.
- Treatment of tires and suspensions
 - The use of any defective tires or refitting of suspensions will affect the driving safety systems and may result in failures of these systems.

 Warning	
■	ABS cannot work effectively in the following circumstances: <ul style="list-style-type: none">● Tires with insufficient road holding capacity have been used (e.g. over-worn tires are used on the road covered by snow);● The vehicle slips when it is running on a wet and slippery road at a high speed. ABS is not designed for shortening the braking distance of the vehicle.
■	Be sure to keep a safe distance away from the running vehicle ahead in the following circumstances: <ul style="list-style-type: none">● When driving on muddy, gravel or snowy roads;● When driving on multi-pit road or uneven road;● When driving on bumpy roads.
■	TCS may not work effectively in the following circumstances: <ul style="list-style-type: none">● When the vehicle is running on a wet and slippery road, TCS system may be unable to control the direction and meet the power requirement even if it works normally;● Do not drive the vehicle with the possibility of losing stability and power of the vehicle.

Low speed tone system (AVAS) (if any)






System functions

The acoustic vehicle alerting system (AVAS), also known as "engine simulator", provides alerting sound to signal the vehicle's presence to nearby vehicles and pedestrians when the vehicle is running at a low speed.



- When the vehicle is moving at low speed, an appropriate alerting sound is made to indicate pedestrians.
- When the vehicle is driven in D mode:
 - When the vehicle speed is in the range of $0\text{km/h} < V \leq 20\text{km/h}$, the alerting sound level increases as the vehicle speed increases.
 - When the vehicle speed is in the range of $20\text{km/h} < V \leq 30\text{km/h}$, the alerting sound level increases as the vehicle speed increases.
 - When the speed is $V > 30\text{km/h}$, the alerting sound stops automatically.
- When the vehicle is driven in reverse, the vehicle produces continuous and uniform alerting sound.

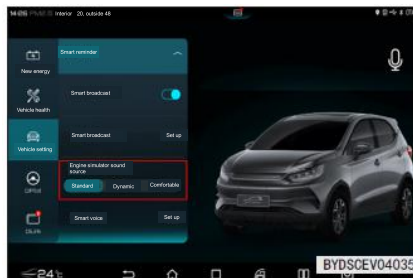


Operation method

- The acoustic vehicle alerting system (AVAS) can be turned on and off by operating the multimedia screen.
 - Enter the related settings interface by pulling down the status bar of multimedia touch screen, and click the [Engine Sound Simulator] button to turn off or turn on the low-speed prompt sound function.
 - Sound source setting of engine simulator: enter the related setting interface by touching the vehicle setting on multimedia, and select Smart Reminder, Engine Simulator Sound Source and set related sound source in turn.
- The low-speed prompt sound system can be turned on and off by instrument setting.
 1. Press button  on the steering wheel to bring up the menu screen on the instrument, select vehicle setting  by the left and right adjustment buttons  on the steering wheel, enter the secondary menu screen by pressing (short press) the adjustment scroll wheel  and slide the adjustment scroll wheel to select engine tone .

154 4-5 Driving Assistance Function

- Press (briefly press) the scroll wheel  to bring up the three-level menu interface.
- By sliding the adjustment scroll wheel, select the [Engine Sound Simulator] option and press (briefly press) the adjustment scroll wheel , the engine sound simulator system can be turned on and off.
- Similarly, the engine sound simulator sources can be set in the same way as the "Standard", "Dynamic" and "Comfort" sources.








- The system remembers the sound source type of the last startup state by default.

Warning

- The low speed beep system pause switch is only available when there are no other road users within a short distance and the surroundings clearly do not require a beep (e.g. in traffic jams or on highways), and the low speed beep system needs to be switched on whenever pedestrians are likely to be in the vicinity of the vehicle.
- If the vehicle runs at low speed with the low-speed warning sound system turned off, it will not be able to remind pedestrians that the vehicle is approaching, which may cause a car accident, and even lead to casualties in severe cases.
- If you can't hear the prompt sound of the low-speed prompt sound system when driving at low speed, please park the vehicle in a relatively safe and quiet place, lower the window and drive at a constant speed of 20km/h in D gear (at this time, the maximum volume) to verify the sound effect. If it is confirmed that the alerting sound cannot be heard, it is recommended to contact a BYD Auto Authorized Service Provider for troubleshooting.

Tire pressure monitoring system(TPMS)

Direct Tire Pressure Monitoring System(if any)

- An assistance system installed on the vehicle can monitor the tire pressure and other parameters in real time, and display and give an alarm by visual signals and auditory signals, so as to improve the driving safety and comfort of the vehicle, and reduce the accelerated wear of tires and the increase of vehicle energy consumption due to insufficient tire pressure.
- The instrument information is divided into driving information and reminder information. When there is no reminder information, the driving information is always displayed, the user can use the  button on the steering wheel to enter the instrument menu, switch to the driving information column via  and  on the  button, and select the display interface of tire pressure via the scroll wheel on the  button.
- See 8-1 Vehicle parameters for the standard pressure of this vehicle.

This system has the following features.

- Humanized design, human-machine interface. Display through the instrument LCD screen is reliable, beautiful, practical and simple.
- Alarm of low tire pressure and rapid air leakage.
- Monitor the change of tire pressure in real time.

Basic system functions

1. Startup alarm

When the vehicle is powered off, all tires are in a low pressure state. When the vehicle is powered up again, a low tire pressure alarm will be given to remind the driver of inflating tires before continuously driving the vehicle.

2. Low tire pressure alarm

- When the tire pressure value of any one of the four wheels is lower than 80% of the standard tire pressure value and the system is running, TPMS will send an alarm signal of low tire pressure and indicate the location of the low-pressure tire.
- Please inflate the tire to the standard pressure after the low pressure alarm. When the tire pressure is greater than 95% of the standard pressure, the low pressure alarm will be canceled.

3. Quick air leakage alarm

- When one or more tires leak at a rate $\geq 30\text{kPa}/\text{min}$, and the system is running, TPMS will send out a fast leak alarm signal at a faster speed and indicate the location of the flat tires.

156 4-5 Driving Assistance Function

- If the vehicle gives tire leakage alarm, stop the vehicle without delay to check the failed tire, and drive continuously after confirming that there is no tire failure.


4. Abnormal signal alarm function

In the running state of the system, an alarm signal will be sent out after a fault occurs.

5. Real-time display of tire pressure

The TPMS can display the real-time pressure of each tire in operating state.

Alarm display description

Tire pressure failure warning light is: 

Alarm content	Display mode	Recommended appropriate actions
Low tire pressure	<ol style="list-style-type: none"> 1. Tire pressure fault lamp lights up. 2. Tire pressure value turns yellow. 	Please check whether the corresponding tires have slow air leakage, and charge the air pressure to a reasonable range.
Quick air leakage	<ol style="list-style-type: none"> 1. Tire pressure failure lamp flashes frequently. 2. Tire pressure value turns red. 	Please check whether the corresponding tire has air leakage.
Signal Abnormal.	<ol style="list-style-type: none"> 1. The tire pressure lamp is always on after flashing. 2. The tire pressure value is displayed as: abnormal signal. 	Check if the corresponding tire pressure monitoring module is normal and if it is in the scope of a large
System failure	<ol style="list-style-type: none"> 1. The tire pressure lamp is always on after flashing. 2. Note: Please check the TPMS. 3. The tire pressure value is displayed as: abnormal signal. 	Please check whether the tire pressure monitoring module and tire pressure control module are normal, and replace the tire pressure monitoring module or control module.

Precautions


1. The service time of tire pressure monitoring module is related to such factors as daily running mileage of the vehicle.
2. The tire pressure monitoring module can transmit such information as tire pressure to the display at regular intervals. For this reason, if the tire pressure drops suddenly or a tire bursts during vehicle running, the monitoring module can only transmit relevant data to the display at the time of next monitoring. Stop driving the vehicle immediately if no information is sent out due to damage to the monitoring module while the corresponding tire is damaged, or if you suspects that a tire has been damaged. Stopping the vehicle after an alarm is shown on the display is not recommended.
3. Incorrect installation of the tire pressure monitoring module will affect tire airtightness. It is recommended that the tire pressure monitoring module should be installed and replaced by professional technicians of a BYD Auto Authorized Service Provider according to the requirements in installation instructions.
4. The entire TPMS should be re-matched during tire rotation or replacement of the tire pressure monitoring module. It is recommended that the rematch work should be finished by a technician of a BYD Auto Authorized Service Provider. Otherwise, failure of this system will be caused.
5. Inflate or deflate tires according to tire pressure values shown on the instrument and standard tire pressure values and based on actual demand, because tire pressure values vary along with temperature changes in different regions.
6. When the vehicle is powered on, the TPMS displays historical data (data before the last power off), and when the vehicle speed reaches 30km/h, the tire pressure values of four tires will be updated in real time.
7. Wireless transmission is applied to transmit information of TPMS. An environment with serious interference may make the information reception effect of TPMS become worse.

Warning

- This system will not prevent the vehicle from running even if the tire pressure is abnormal. Therefore, it is required to start up the system in static state to check if the tire pressure complies with the value specified by the manufacturer each time before driving the vehicle. Do not drive a vehicle with abnormal tire pressure. Otherwise, the vehicle will be damaged or the driver or other persons may suffer personal injury.
- Check the tire pressure at once if you find that the tire pressure is abnormal. If the low pressure warning indicator illuminates during driving, avoid turning suddenly or applying emergency brake, but decelerate the vehicle, drive it to roadside and stop it as soon as possible. Driving the vehicle under low tire pressure may damage tires permanently and increase the possibility of tire scrapping. Serious damage to tires may lead to a traffic accident or result in serious personal casualty.

158 4-5 Driving Assistance Function


Indirect Tire Pressure Monitoring System (if any)

Tire pressure monitoring can only monitor whether the tire is under-pressure during vehicle driving. When the tire pressure on one or more tires is abnormal, indicator  and text alarm will be displayed on the display screen of the instrument cluster.

Tip

- The tire pressure monitoring system is developed for BYD original tire matching. We recommend using BYD original tires, otherwise there is a risk of system failure alarm or abnormal performance.
- When the vehicle is power "OK" , the system will perform a function test. At this time, the warning light and indicator light will be on briefly.

Tire under pressure

- When the tire pressure is changed on one or more tires, the tire pressure monitoring system will issue a tire under pressure alarm, and the indicator  on the combination instrument display will show , the under pressure tire will turn yellow, and
- At this time, the driver should immediately park the vehicle in a safe place, and then check all tires and tire inflation pressure. Please be careful during the parking process to avoid severe steering / braking operations. The tire pressure monitoring system should be reset after the cause of the tire under pressure alarm is completed.


Warning

Different tire pressures or too low tire pressures may lead to tire failure, out-of-control of the vehicle and serious casualty accidents.

- Different tire pressures or low tire pressures may aggravate tire wear, reduce driving stability and extend braking distance.
- Different tire pressures or low tire pressures can cause sudden tire failure, burst tires, and out of control vehicles.
- Driving with too low tire pressure will increase tire deflection, and the tire will heat up violently, which may cause tire shelling and burst.
- Under certain conditions (such as sports driving, winter or soft road conditions), the tire inflation pressure control display may be delayed.



Warning (Continued)

- The use of tires with non-conforming air pressure may lead to accidents and tire damage, and the driver is responsible for ensuring that the inflation pressure of all tires is correct. Therefore, all tires must be filled to the correct air pressure before driving, and the tire pressure sign lists the tire specified air pressure value. The tire monitoring system will only function if the tire pressures of all cold wheels are correct.
- If the indicator light  appears on the display, immediately park the vehicle in a safe place, and then check the tires and tire inflation pressure. Please pay attention to safety during parking to avoid severe steering / braking operations.

Tip

- The tire pressure monitoring system can identify tires whose tire pressure is too low. When the vehicle issues a tire or a tire under-pressure alarm, the driver should detect the non-alarm tire in addition to the alarm tire and tire inflation pressure.

A tire monitoring system alarm may occur if:


- Changing tire pressure manually;
- The inflation pressure of one or more tires is too low;
- Tire has structural damage;
- Replace one wheel at each front and rear axle;
- The tire pressure monitoring system has not been reset after changing the tire or changing the tire pressure;
- Vehicle unilateral load is too heavy;
- When the wheel load on an axle is heavy, such as full load;
- Install snow chains;
- Spare wheels are installed.

160 4-5 Driving Assistance Function

Tip

- When driving on dirt roads, gravel roads, mountain roads, snow roads or in sports mode, the tire monitoring indicator may be partially or completely turned off for a short time. If you drive in these conditions for a long time, it will cause the tire pressure monitoring system to alarm Prolonged.

System failure

When the signal used by the tire pressure monitoring system cannot be received or is invalid, the indicator light  on the instrument will flash for 60s and then be on normally, the text display of "please check the tire pressure monitoring system" and the buzzer will give an alarm for 1 time. At this time, the vehicle loses the tire pressure monitoring function, and the driver should immediately drive to the BYD Auto Authorized Service Provider for troubleshooting.

Tip

- In the event of an ESP failure, the tire pressure monitoring display may also lose its functionality.
- System failure may occur with snow chains installed.
- If the vehicle has a tire under-pressure alarm, if the user resets the tire pressure monitoring system without ensuring that the tire pressure is normal, the tire pressure monitoring system will be manually removed, which will cause the tire pressure monitoring system to fail or the actual tire pressure will be too low during the next alarm. Therefore, it is important to confirm that all tires and tire pressures are normal before resetting.

The tire pressure should be reset after the following operations:

- Adjusting the inflation pressure of one or more tires;
- Replace (rotate) any tire/wheel;
- Dynamic balancing of wheels;
- Technical modification of chassis;
- Since the last reset, the ambient temperature has changed more than 40°C;
- One year or after driving 10000km.

Outside rearview mirror

Adjust the electric exterior rearview mirror to just see the side of the vehicle in the rearview mirror.



Lens adjustment

- Electric adjustment (if any): Adjust the lens to a suitable position by the electric exterior mirror switch on the adjustment panel.
- Manual adjustment: press the mirror edge by hand, and then make the mirror rotate around the center until it gets to a proper position.

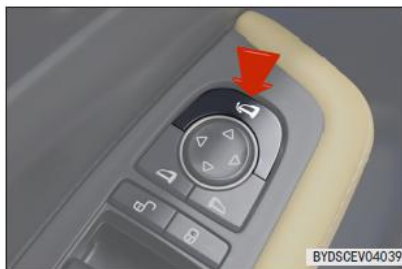


162 4-6 Other Main Function Descriptions

Folding of exterior rearview mirrors (if any)

When parking and driving are needed, the mirror body of the exterior rearview mirror can be folded.

- Electric folding: The exterior mirrors fold inwards automatically when the car is locked, and can be folded by operating the electric folding switch for the exterior mirrors when needed for driving.



- Push against the outer edge of the exterior rearview mirror body to make it rotate around the folding shaft until it gets to the lock-up position.



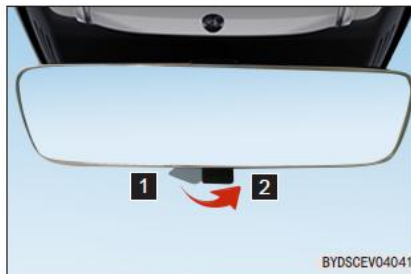
Tip

- Do not adjust exterior rearview mirrors when the vehicle is running. This may cause the driver to operate the vehicle incorrectly and lead to an accident.

Interior Rearview Mirror

Manual anti-glare interior rearview mirror (if any)

- Manual anti-glare interior rearview mirror has two working modes: normal and anti-glare:
 - Normal mode-put the control lever in the **1** position ,in this position, the mirror image is the clearest.
 - Anti-glare mode-put the control lever in position **2** , in this position, it can effectively reduce the interference of the high beam from oncoming traffic at night. It should be noted that while reducing anti-glare, it may reduce the visibility of the rear view.



Manually adjust the inside rearview mirror

Rotate the inside rearview mirror up and down, left and right, and adjust the inside rearview mirror to the appropriate position.



Warning

- Please do not adjust the inside rearview mirror when driving, otherwise the driver may not control the vehicle, resulting in accidents and casualties.
- Do not hang heavy objects on the interior rearview mirror or shake and drag hard the interior rearview mirror.
- When manually adjusting the interior rearview mirror, if it becomes stuck, do not adjust it violently to prevent it from falling off.

Wiper

Check the conditions of the front/rear wiper blades at least once every six months to see if there is any cracking or local hardening of the rubber. If any, replace the corresponding wiper blades. Otherwise, the use of defective wiper blades will leave strip patterns or stains on the windscreen.

■ Front wiper



■ Rear wiper



Note

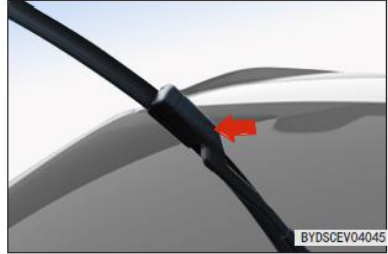
- Do not open the front hood when the wiper arm is pulled up, otherwise the front hood and wiper arm will be damaged.

Replacement of front wiper

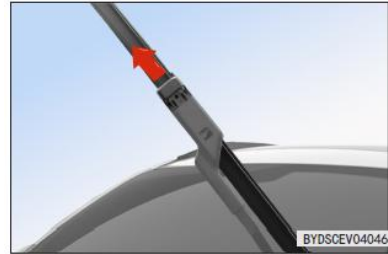
Replacement of front wiper

1. Pull up the wiper arm at the driver's side and then the one at the front passenger's side.

2. Press the LOCK WIPER BLADE button



3. Hold the wiper blade clip to take out the wiper blade along the direction as shown in the figure.
4. Install a new wiper blade as per the operations in an order reverse to that for taking out the wiper blade.



Replacement of rear wiper

1. Pull the rear wiper arm from the rear windshield.
 2. Turn the rear wiper blade to the position shown in the figure.
 3. If the rear wiper blade is fitted with the curved hook shown at **1**, press down and hold it in place.
 4. If the rear wiper blade is fitted with the curved hook shown at **1**, move the rear wiper blade in the direction shown at **2** and remove the blade when it is completely free of the curved hook.
- If the rear wiper blade has no hook, the wiper blade can be taken out directly.



Note

- After taking out the wiper blade, gently put the wiper arm back on the glass. Don't let the wiper arm hang in the air, or the glass may be broken.

The wiper blade can be installed by operating in the reverse order.

166 4-6 Other Main Function Descriptions

Antiskid Chain

- Snow antiskid chains are for use only in emergency cases or when the vehicle is driven through specific regions explicitly provided in law.
- Snow antiskid chains should be installed on rear wheels. Be more careful when driving the vehicle equipped with snow antiskid chains on a road covered by ice or snow. Some snow antiskid chains may damage tires, wheels, suspensions and body of the vehicle. Therefore, fine antiskid chains (it is recommended that the chain thickness or diameter should not exceed 10mm) should be selected to provide a sufficient and free space between tires and other parts in wheel guards.
- Carefully check and read the component assembly drawings and other instructions of the antiskid chain manufacturer.
- Before you want to buy snow chains, I suggest you consult BYD Auto Authorized Service Provider.
- After antiskid chains are installed, the vehicle should be driven at a speed lower than 30 km/h on a road covered by ice or snow.
- To minimize wear of tires and antiskid chains, be sure to avoid installing antiskid chains on the vehicle and driving it on a road not covered by ice or snow.

Tip

- Dry the vehicle at a speed not exceeding 30km/h or the speed limit specified by the antiskid chain manufacturer (whichever is smaller).
- Drive carefully and pay attention to bumps, holes and sharp turns, which may cause the vehicle to jump.
- When using snow chains, avoid turning sharply or locking the wheels for braking, otherwise it will bring adverse effects to the operation of the vehicle.
- Be careful when driving a vehicle equipped with snow chains, and slow down before turning to avoid losing control of the vehicle, otherwise an accident will happen.

Interior Devices **5**

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Multimedia control panel

When the vehicle is powered up (OK), the initial image will be displayed for several seconds and the multimedia system will start to work. To enable the user to have better experience of the multimedia system's functions (e.g. smart voice, APP, video call, etc.), it is recommended to connect the system to the Internet.



- 1** Volume Scroll Wheel/Audio off/Multimedia Restart Button **2** Multimedia touch screen

Warning

- Do not use high-power inverter in the vehicle, because using such inverters will result in abnormality of the multimedia system.
- Do not privately flash or root the multimedia system; otherwise, the multimedia system or the vehicle may become abnormal.
- For your driving safety, it is recommended to use the multimedia system with horizontal screen during driving.

Note

- To prevent causing damage to the touch screen:
 - Gently tap the screen with a finger. If the system makes no response, move the finger away from the screen, and then tap it again.
 - Do not use any detergent when wiping the screen with a piece of soft cloth.
- Touch screen
 - When the temperature of display screen is low, the image displayed may be darker or the multimedia system may work slower than working under normal conditions.
 - It may be darker or hard to see clearly if you look at the screen when wearing sun glasses. In this case, change your angle of sight or take off the sun glasses.
 - Gray buttons on the touch screen are inoperable.
- The display interface of the touch screen is only provided for reference, and that on the vehicle shall prevail.

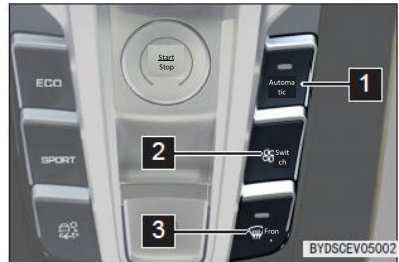
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A/C panel (if any)

The A/C system can be used when the power gear of the whole vehicle is in OK gear.

Configuration 1

- 1 AUTO button
- 2 ON/OFF button
- 3 Front windscreen defrosting button



Configuration 2

- 1 Compressor control button
- 2 ON/OFF button
- 3 Front windscreen defrosting button



A/C Operating Interface



- | | |
|---|---|
| 1 A/C setting button | 8 Front windscreen defrosting button |
| 2 PM2.5 operating interface button(if any) | 9 Rear windscreen defrosting button
Defrost button of exterior rearview mirror (if any) |
| 3 A/C Operating Interface | 10 Internal air recirculation mode/external air circulation mode button |
| 4 A/C switch button | 11 Ventilation button |
| 5 Automatic button | 12 Temperature set button |
| 6 Compressor status button | 13 Blowing mode button |
| 7 Maximum cooling button | 14 Air volume mode regulation button |

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Tip

■ A/C odor:

- When the A/C is turned on, the air coming from it may smell musty. Such kind of A/C odor is normal. When the vehicle's A/C is in service, A/C condensate often adheres to the evaporator and the wet evaporator easily adsorbs the unfiltered human sweat, smoke, dust, etc. inside the vehicle. If the condensate on the evaporator is not dried, mould may easily grow on the dark and humid evaporator surface and long duration of mould fermentation always produces odor.

■ Method for preventing A/C odor:


- Turn off the A/C before parking and ventilate with natural wind, and keep it relatively dry.
- Regularly inspect, clean or replace the filter screen;
- Try to keep the compartment clean and the air fresh.

■ If the odor still exists after using such odor prevention methods, immediately contact a BYD Auto Authorized Service Provider for service and maintenance.







■ In order to reduce the odor generated by the A/C, if the A/C is turned on before the vehicle is powered off and locked, the A/C blower may automatically turn on for a while after the vehicle is locked. The main purpose of turning on the blower is to blow dry the condensed water on the surface of the evaporator, so as to avoid mold fermentation on the surface of the evaporator to produce peculiar smell. Please don't worry if the A/C blower turns on automatically when locking the car. This is normal.

Functions




AUTO button

- Press the  button, and the indicator on the button lights up, indicating that the AUTO mode has been selected.
- In automatic operation mode, the A/C system will select the most suitable blower speed, air supply mode and compressor ON or OFF status according to the set temperature.







A/C switch button

- Press the On/Off button  of the A/C or click  on the A/C operation interface to switch off the A/C, the blowing mode remains unchanged and the air intake mode is internal circulation. Press this button  again or tap  on the display screen to turn on the A/C.
- With the A/C off, press the On/Off button  again or click  on the A/C operation interface to turn on the A/C in the memorized modes, with the set temperature, blower speed and air distribution mode being those when the A/C was turned off last.

Blower speed adjustment

- A/C blower speed adjustment 
 - Tap the suitable blower speed level button to set the blower speed at a desired level. A higher blower speed level indicates a higher air input.
 - Press the  button or the button  on front A/C operation interface, and the A/C system is turned off.

Front windscreen defrosting button

- Press the windshield defrosting button  or click on the display screen , the indicator light on the button lights up, and the air flow mainly blows to the windshield and side window glass. Press this button again or  click on the display screen, the  indicator light on the button goes out, and the A/C system returns to the last used state.
- By pressing this button , or tap  on the A/C operation interface, the defrosting and demisting function of the windscreen will be activated and the A/C will also be turned on. In this case, no matter whether the A/C is operated or not, the A/C will be turned on, so that the front view can become clear more quickly.


Temperature set button



- Click the right arrow on the display screen or slide right after clicking the temperature display area to raise the temperature. Click the arrow left or slide left after clicking the temperature display area, and the temperature will decrease.
- Lo will be displayed when the temperature is set at the lowest value, while Hi will be displayed when the temperature is set at the highest value.

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- When the temperature is set at the lower limit (Lo) or the upper limit (Hi), the system will run in full cooling mode (front A/C should be on) or full heating mode, not controlling the inside temperature.

Maximum cooling button

Tap  button to enable the A/C to operate in the maximum cooling mode. In this mode, the compressor is turned on, the temperature is automatically adjusted to Lo, the blower speed is automatically adjusted to the maximum level, the air inlet mode turns to internal air recirculation, and the air outlet mode is the face level vent. Tap this button again to return to the previous state of the A/C.

Compressor control button  and 

Tap this button to turn on the A/C compressor. At this moment, the icon will illuminate, the compressor starts to work and realize cooling. Tap this button again to turn off the A/C compressor. At this moment, the icon will go out and the compressor will stop.

Internal air recirculation mode/external air circulation mode button  and 

Press this button to set the air inlet mode to internal air recirculation, with the air inlet mode icon turning from external air circulation to internal air recirculation. Press this button again to set the air inlet mode to external air circulation, with the air inlet mode icon turning from internal air recirculation to external air circulation.

Rear windshield (if any)/exterior rearview mirror defrost (if any) button

- Click the rear windshield (if any)/exterior mirror defrost (if any) button to make the rear windshield/exterior mirror defogger work.
- The vehicle is powered up (OK).
- The fine electric heating wires on the inner side of rear windshield will clear the glass surface rapidly. When the corresponding demister works, its indicator will illuminate.
- The demister system will shut down automatically after 15 min of work of the demister.
- After the glass surface is clean, press the defrost button of the rear windshield and exterior rearview mirror again to turn off the demister. If this function is used continuously, the start battery will discharge, especially during stop-and-go driving.

Note


- When cleaning the inner side of rear windows, take care not to scratch or damage the electric heating wires and their joints.

Ventilation button



Tap the "VENT" button to allow the A/C to operate in the ventilating mode. In this mode, the air inlet mode is external air circulation, the temperature cannot be adjusted and the air outlet mode is natural air. Tap this button again to allow the A/C to return to the previous state.

Air supply mode

- Air outlet mode selection button 
 - Tap any icon on the display screen to select the corresponding air outlet mode.
 - The air outlet modes can be combined freely. Three air outlet modes can be activated at most at the same time depending on your need.
 - Blowing face and feet can be turned on at the same time; Blowing feet and front defrosting can be started at the same time.
- The air outlet mode may be adjusted according to the following explanations of corresponding diagram:



:Face blowing: the air flow mainly blows to the upper body of the passengers.



:Feet blowing: the air flow mainly blows to the feet of passengers.



:Defrosting: the air flow mainly blows to the windshield and side windows.



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Essentials of Use

- If the vehicle parked in the hot sun for a long time is cooled down quickly, you can open the window and drive for several minutes. This expels the hot air and speeds up the cooling of the interior by the A/C.
- Make sure that the air intake grille in front of the windshield is not blocked (for example, leaves or snow).
- In wet weather, don't let the cold air blow on the windshield. Because the temperature difference between the inside and outside of the windshield will cause the windshield to fog.
- The front seats must be kept open underneath to allow adequate air circulation in the vehicle
- In cold weather, the fan speed should be set to a high speed for one minute to clear the snow or moisture in the air intake channel, which can reduce the window fogging.
- It is recommended to close all windows when following other vehicles on dusty roads or driving in windy and dusty conditions. If the dust raised by the vehicle still enters the vehicle after closing the window, it is recommended to set the air intake mode to internal circulation and set the blower fan speed to any position other than "0".

Air Outlet

All air outlets can be adjusted for airflow, opening and closing the air outlets.

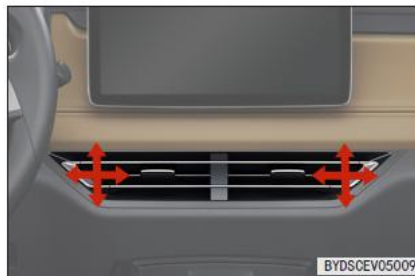
Left/right air outlet

Turn the left/right air outlet counterclockwise to open and clockwise to close, and move up and down left and right to adjust the wind direction.



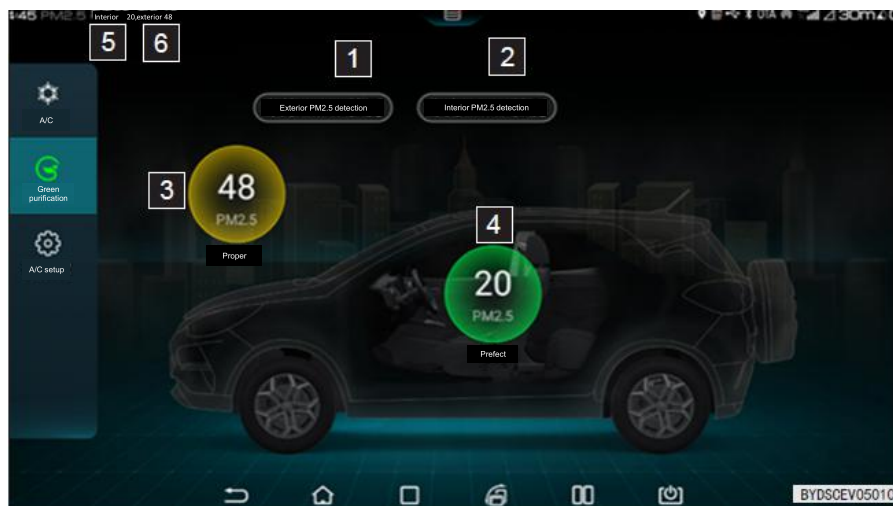
Central air outlet

The angle of L/R air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet. Turn the adjustment tab to the far left to turn off the A/C.



Green Air Purification System(if any)

The green air purification system is provided with PM2.5 particle purification function. Namely, when A/C is ON, PM2.5 particles contained in the air flow into the compartment can be deeply purified.



5

Interior Devices

- | | |
|---|---|
| 1 Exterior PM2.5 button | 4 Interior PM2.5 button and interior PM2.5 numerical display |
| 2 Interior PM2.5 button | 5 Inside PM2.5 numerical display |
| 3 Exterior PM2.5 button and exterior PM2.5 numerical display | 6 Outside PM2.5 numerical display |

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PM2.5 mode button

Tap the "PM2.5" mode button on the multimedia operation interface to switch the multimedia display screen to the PM2.5 operation interface.

Exterior PM2.5

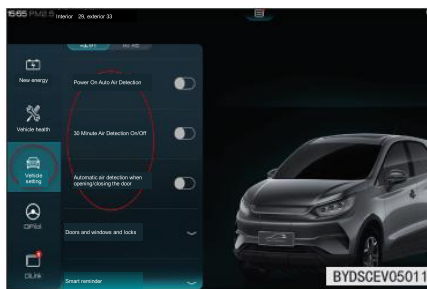
Tap the "Exterior PM2.5 detection" or "Exterior value" button to activate the PM2.5 detector to detect the exterior PM2.5 value. The PAD will display the detected exterior PM2.5 value in real time and 30s later, display the detected average.

Interior PM2.5

Tap the "Interior PM2.5 detection" or "Interior value" button to activate the PM2.5 detector to detect the interior PM2.5 value. The PAD will display the detected interior PM2.5 value in real time and After 30s, the average detection value is displayed.

Automatic detection of PM2.5 content in interior/exterior air

- The automatic detection of PM2.5 interior and exterior is in the PAD interface, enter the "Vehicle Settings" screen to set the "Power On Auto Air Detection On/Off", "30 Minute Air Detection On/Off", and "Automatic air detection on/off when opening/closing the door".



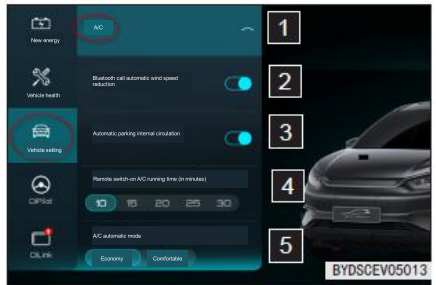
A/C setting items

- Press this button to enter the A/C setting interface.
- Press this button again to exit the A/C setup interface.



1 A/C setup

- Press this button to expand the interface of A/C settings.
 - Press this button again to put away the A/C settings interface.
- 2** Bluetooth call and automatic wind speed reduction setting



Press this button to turn on the Bluetooth call automatic wind speed reduction setting.

Press this button again to turn off the Bluetooth call automatic wind speed reduction setting.

3 Parking automatic internal circulation setting

- Press this button to turn on the parking automatic internal circulation setting.
- Press this button again to turn off the automatic parking cycle setting.

4 Remote switch-on A/C running time setting

Remote switch-on A/C running time can set

5 A/C automatic mode setting

- You can choose two modes: economy mode and comfort mode.

180 5-2 Air Conditioner

Tip

- The on-board PM2.5 detector only detects the PM2.5 content in air around the vehicle in a short period, and the detected value is different from the daily or real time reported PM2.5 content in air as released by the state and the relevant governmental department.
- The frequency of PM2.5 detection should be reduced under the following circumstances.
 - Extreme harsh environment such as sandstorm.
 - Cold regions (ambient temperature $< -20^{\circ}\text{C}$).
 - High humidity environment (with the relative humidity $> 90\%$).
 - Temperature alternating environment (easy to cause condensation), e.g. driving from a cold environment to indoor or a parking lot with higher temperature.
- An internally dirty or blocked on-board PM2.5 detector will seriously influence the detection accuracy, so it should be maintained in time.
- Setting the air speed to the maximum value in recirculated air mode can rapidly reduce the concentration of fine particles contained in interior air.

Right glove box

- When using the right glove box, pull up the buckle of the right glove box
- Push up the right glove box cover to close it.



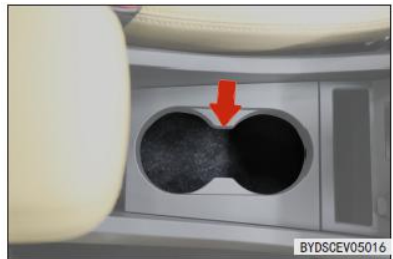
Cell Phone Slot

The slot is used to store the cell phone.



Cup Holder

Cup holders are used to hold cups, mobile ashtrays or beverage cans securely.



182 5-3 Storage Device

Central control box

The central control box is located below the middle of the dashboard.



Card slot

The card slot is located at the position of the dashboard in front of the main drivers seat, in which business cards, cards of the size of business cards, etc. can be placed.



Front Center Armrest Glove Box

Open the center armrest glove box

- When using the central glove box, just pull up the glove box cover of the central armrest in the direction of the arrow in the figure.

Close the center armrest glove box.

- Close the central armrest box lid by closing it.



Rear Storage Box

The rear storage box makes it easy to place small items or mobile phone in the storage box when charging it.



Sun Visor

- The sun visor is located above the driver and the front passenger. To shade the eyes from glare of sunlight from the front, pull down the sun visor.
- To shade the eyes from glare of sunlight from the side, remove the rotary cover from the fixing bracket, and turn the sun visor to the side window.



i Tip

- Reasonable and proper use of the sun visor can increase the driving comfort and safety.

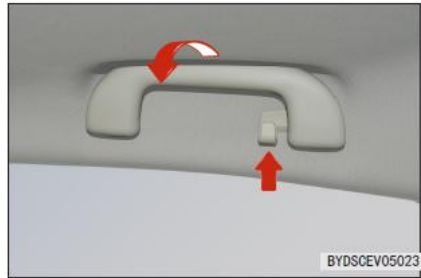
Vanity Mirror (if any)

When the vanity mirror is installed, turn down the sun visor and slide the vanity mirror cover.



Safety Handle

- To use the safety handle, pull it down. Release the safety handle and it will return to position.
- The safety handles on both sides of the rear seat are provided with clothes hooks for hanging clothes and such others.



Note

- Do not hang heavy objects on the safety handles and clothes hooks to avoid personal injury or damage to the safety handles /clothes hooks.

Front USB /charging port

- There are 3 interfaces in the central glove box.
- 1** USB Port
- 2** Charging port
- 3** SD card slot
- This can only be used only when the vehicle is powered up (OK)



Rear charging port (if any)

- There is a charging interface at the rear of the central control dashboard.
- This can only be used when the vehicle is powered up (OK)



12V Backup Power Supply

- Available for accessories with an operating voltage of DC12V and an operating current of not more than 10A.
- When using the 12V backup power supply, open its cover and keep the vehicle's power button in "OK" position.



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6-1 Maintenance Instructions 189

Item	Time Interval for Maintenance	x1000 (km)	Readings on Odometer or Number of Months, Whichever Comes First											
			5	17	29	41	53	65	77	89	101	113	125	
			Month(s)	3	15	27	39	51	63	75	87	99	111	123
Check the coolant level in the auxiliary water tank.														
Replace antifreeze for drive motor.			Replace it with long-acting, organic, and acid coolant once every 4 years or every 100,000km of vehicle running mileage, whichever occurs earlier.											
Check the brake fluid														
Replace the brake fluid			Replace the brake fluid after every 2 years or every 40,000 km of vehicle running mileage.											
Check the DTC of the high voltage module (clearing after recording)														
Check the torque of power battery tray, bumper, guard plate and mounting point.														
Capacity testing and calibration			Every 72,000 km or 6 months											
Check and replace the gear oil in the transmission.			Replace it every 24 months or 40,000 km for the first time. After that, replace it once every 24 months or 48,000 km.											
Check whether the powertrain leaks or bumps.														
Check whether the high voltage harness or connector is loose.														
Check whether the appearance of the high-voltage module is deformed and whether there is oil.														

6-1 Maintenance Instructions 191

Time Interval for Maintenance	x1000 (km)	Readings on Odometer or Number of Months, Whichever Comes First										
		5	17	29	41	53	65	77	89	101	113	125
	Month(s)	3	15	27	39	51	63	75	87	99	111	123
Items												
Check the appearance of EPS and ECU for corrosion.	I	I	I	I	I	I	I	I	I	I	I	I
Check whether there is any foreign matter or corrosion at the joint of EPS and ECU and motor.	I	I	I	I	I	I	I	I	I	I	I	I
Check the high-voltage components for wading marks.	I	I	I	I	I	I	I	I	I	I	I	I
Check whether the vehicle module has software update, and if so, update it.	I	I	I	I	I	I	I	I	I	I	I	I
Check the front hood lock and its fasteners.	Every year											
Remarks	For item 1, timely change any unexpectedly damaged chassis parts. Items marked in bold are added for severe service conditions											

Tip

To keep the power battery in the best state, it is necessary to conduct full charge and full discharge of the vehicle at regular intervals (at least once every 6 months or every 72,000 km of vehicle running mileage) to allow self-calibration of the battery. You may also contact a BYD Auto Authorized Service Provider to test and calibrate the battery capacity.

Note:

- Definitions of symbols in the table above are as follows:
 - I= If necessary, check, adjust or replace;
 - **I**= items to be added under severe working conditions; **R**= replacement, change or lubrication.
- The maintenance period in the table is calculated from the date of purchase.

192 6-1 Maintenance Instructions

- In order to make the vehicle reach the best use state, please operate the vehicle correctly according to the following mode.
 - Run-in in ECO (Economic) mode before first maintenance.
- Severe working conditions as follows:
 - The vehicle has frequently served in dusty areas or salt-spray areas;
 - The vehicle has frequently served on bumpy, waterlogging or mountain roads;
 - The vehicle has frequently served in cold areas;
 - The motor is often in a long-time idle running state or the vehicle has frequently served for a short distance in cold season;
 - The brake system has been used too frequently, in particular for hard brake.
 - The vehicle has frequently served as a tow tractor;
 - The vehicle has served as a taxi or a service vehicle;
 - At temperatures above 32°C, the driving time in urban areas with heavy traffic exceeds 50% of the total driving time.
 - At a temperature above 30°C, the driving time at a speed above 120km/h exceeds 50% of the total driving time.
 - The vehicle has been overloaded frequently.
- Specified maintenance records:
 - It is recommended that you should request the BYD Auto Authorized Service Provider to fill all specified maintenance records in the table, and properly keep all receipts related to the maintenance of your vehicle.

6-1 Maintenance Instructions 193

Specifications for maintenance of components

Item	Model	Filling capacity
Brake fluid	BASF DOT4 Sinopec HZY6	0.625L
Transmission oil	Total GL-4 75W-90 Shell S3 ATF MD3 Gear oil _JSD-75W_1L/ barrel Gear oil _75W-90-EC_1 liter/barrel	0.65±0.05L
Battery coolant	Battery specific coolant	5L
Motor coolant	Add glycol antifreeze, long-acting antirust antifreeze, and select the freezing point according to the temperature (normal temperature: freezing point -25° C, suitable for all year round in the south and summer in the north; Cold resistance: freezing point -40° C, suitable for northern winter)	4.5±0.2L

Regular Maintenance

- Be sure to maintain the vehicle as per the maintenance schedule to allow it serve in the best working efficiency and reduce fault occurrence.
- Refer to the maintenance schedule for intervals of planned maintenance which depends on the readings on the odometer or time intervals, whichever comes first.
- Once done at the time after the required time interval, any maintenance item should also be done at the same time interval next time.
- The maintenance work should be done according to the standards and specifications of BYD Auto Industry Co., Ltd., and it is recommended that the local BYD authorized service provider complete it.
- Maintenance items and the running time or distance listed in the maintenance schedule are determined with the assumption that you have your vehicle to carry passengers and articles as a common vehicle, without loads beyond its load limit.



Note

- Maintain the vehicle at regular intervals in accordance with the requirements in the Quality Warranty Voucher and Maintenance Manual of BYD Auto Industry Co., Ltd.

Vehicle Corrosion Prevention

The most common causes of vehicle corrosion are as follows:

- Saline and alkaline matters, dust and moisture are deposited underneath of the vehicle.
- The vehicle is in a high humidity environment or some parts of the vehicle are in a humid and high temperature environment for a long time.
- The paint or primer coats have been scratched by slight impact or stones and gravels.

To prevent vehicle corrosion, the following rules should be observed:

- Wash the vehicle frequently:
 - If you have to drive the vehicle on saline and alkaline roads in winter, or if you live by the sea, be sure to wash the vehicle parts in contact with the ground at least once a month by using water cannon or steam to wash the chassis and wheel guards to reduce corrosion. After winter, thoroughly clean the vehicle chassis.

- Checking of paint and trims on vehicle body
 - If the paint coat is found with any chips or cracks, it should be repaired at once to prevent corrosion. If any chipping or cracking coat peels off from the metal surface, drive the vehicle to a BYD Auto Authorized Service Provider for repair.
- Check the inside of the trunk.
 - Moisture and dust deposited beneath for a long time would cause corrosion. Therefore, frequently check the positions beneath carpets to make sure that these positions are dry.
 - Take special care and use proper containers to transport chemical products, detergents, chemical fertilizers, salts, and other substances. Clear any splashing or leaking substances at once and keep dry of the containers. Clear any splashing or leaking substances at once and keep dry of the containers.
- Using fenders
 - Using fenders can protect the vehicle if the vehicle runs in saline and alkaline areas or on a road covered by gravels. It is better to use fenders with larger sizes and install them on the vehicle closer to the ground.
- Park the vehicle in a well-ventilated and dry place.

Maintenance Tips for Painted Surface

The following points should be paid attention to in the use and maintenance of the vehicle:

- Clean the vehicle in time.
- To prevent causing color nonconformity or poor bonding, do not conduct secondary paint spraying if the painted surface has no obvious scratches.
- For long-time parking, the vehicle should be parked in the garage or at a well-ventilated place. In addition, the vehicle should be parked with a special cover in winter. For temporary parking, the vehicle should be parked at a shady and cool place.
- Prevent causing strong impact, bumping or scratches on paint film of the vehicle body. It is better to have the painted surface with scratches, indentations or peels repaired by a professional automobile beauty shop.
- Do not touch the painted surface of vehicle body with greasy hand, or wipe the painted surface with a piece of greasy wiping cloth at will. To prevent causing any chemical reaction, do not place a greasy tool or wiping cloth containing organic solvent on the vehicle body.
- Wax the painted surface for protection once a month or when the vehicle body surface do not have goo water-resistant performance and regularly drive the vehicle to a professional automobile beauty shop for maintenance (once a quarter) to recover the brightness and glossiness of the painted surface of vehicle body.

196 6-2 Regular Maintenance

- Use high-quality polishing agent and vehicle wax. If the vehicle's polished surface is found with serious wreathing effect, use a vehicle cleaning and polishing agent separate from vehicle wax. Observe the manufacturer's specifications carefully and take specified preventive measures. The chrome plated surface should be polished and waxed the same as the painted surface

Note

- If the vehicle is to be re-painted and parked in a high-temperature painting and waxing workshop, the vehicle's plastic bumper should be removed, because high temperature may damage the bumper.

Washing the Vehicle

- Driving under the following conditions will cause peel-off of the paint coat or corrosion of the vehicle body and parts, so the vehicle must be washed in time:
 - When you are driving in coastal areas;
 - When you are driving on a road distributed with antifreeze agent;
 - When you are driving on a road with coal tar.
 - When you are driving over resin, bird dropping or dead body of insect.
 - When you are driving in the areas containing a large amount of smoke, coal ash, dust, scrap iron or chemical substances;
 - When the vehicle is obviously contaminated by dust and mud.
 - After the rain.

Manual washing

- Be sure to wash the vehicle at a shady and cool place and after the vehicle fully cools down.

Tip

- When cleaning underneath the floor or undercarriage, care must be taken to avoid cutting your hands.

1. Wash away loose dirt with a water hose, and wash off all mud or road salt and alkali at the bottom of vehicle body and in the recessed positions of wheels.
2. Wash the vehicle with a neutral washing agent, the mixing of which should be conducted according to the manufacturer's specifications. Wipe the vehicle along with the water flow direction and from top to bottom by using a soft cloth dampened with cleaning solution. Do not wipe the vehicle in a circular or transverse way.
3. Wash the vehicle thoroughly, because washing agent will leave stripes after drying. Be sure to correctly wash all vehicle parts with clean water after washing the vehicle in high-temperature days.
4. To prevent leaving water stains, wipe the vehicle body with a clean and soft towel until the vehicle becomes dry. Avoid forceful wiping or pressing. Otherwise, the painted surface may be scratched.

Tip

- Do not use highly alkaline washing powder, soapy water, washing agent, dewaxing detergent or organic matter (gasoline, kerosene, volatile oil or strong solvent) for this purpose.
- Never wipe the surface of combination lights with gasoline, alcohol, lacquer thinner, carbon tetrachloride and other chemical solvents when cleaning the combination lights. Otherwise, cracking of combination light covers will be caused.
- It is recommended to wash the vehicle running in coastal areas or seriously-polluted areas once a day.
- Do not use blade scraping or gasoline to remove body dirt.
- Plastic wheel trim is easily damaged by organic matter. Plastic wheel trims are easily damaged by organic matter. If any organic matter is splashed on any trim, be sure to wash it off with water and check if the trim is damaged. Timely replace plastic wheel trims that have been seriously damaged. Otherwise, wheel trims may fly away from wheels when the vehicle is running, causing an accident.
- Do not wipe and clean the bumpers with any detergent containing abrasive materials.
- Use graphite powder detergent to clean plated metal parts and regularly wax them for protection.

Automatic washing of vehicle

Note that some types of brush, unfiltered washing water or preset washing procedure in the washing machine may lead to scratches on the painted surface when you have your vehicle washed at an automatic car washing station. Scratches on the painted surface will reduce the surface durability and glossiness, especially for dark-color vehicles. It is advisable to consult a service man of the vehicle washing station before washing your vehicle to ascertain which vehicle washing procedure is the safest for the vehicle's painted surface.

Interior Cleaning

Tip

- Please do not wash the carpet with water.
- Do not let water flow onto the vehicle floor or dashboard when washing the interior or exterior of the vehicle. Ingression of water int

Carpet

- Use a high-quality foam detergent to clean the carpet.
- First use the vacuum cleaner to suck the dust as much as possible. Several types of foam detergent can be used. Some are contained in spray cans, and others are powder or liquid, which produce foam after being mixed with water. Clean the carpet with a piece of sponge or a brush with foam. Wipe or brush the carpet in a circular way.
- Do not wash the carpet with water. Keep the carpet dry to the greatest extent. Read the instructions of detergent and strictly abide by them.

Seat belt

- Seat belt can be washed with mild soap water or lukewarm water.
- Wipe the seat belt with a piece of sponge or soft cloth. Check if the seat belt has any excessive wear, penetration or trace of cut when washing it.

Note

- Do not wash the seat belt with colorant or decolorizer, as the strength of seat belt will be weakened by doing so.
- Do not use the seat belt until it is dry.

Doors and windows

Doors and windows can be washed with any ordinary household detergent.

Note

- When cleaning the inner side of rear windows, take care not to scratch or damage the electric heating wires and their joints.
- Regularly check the door limiting stopper. If it is found that the limiting stopper rod has obvious ash accumulation, wipe the door limiting stopper rod with a dampened soft cloth to remove dust from the surface.
- Use a piece of wet and soft cloth to clean the A/C control panel, all parts of audio system, the dashboard, the control panel and all switches.
- Dip a piece of clean and soft cloth into water or lukewarm water, and then use it to wipe off the dust.

Note

- Do not use organic substances (such as solvent, kerosene, ethyl alcohol and gasoline) or acid or alkaline solution. Otherwise, color change, contamination or peel-off of surface will be caused.
- If a detergent or polishing agent is used, be sure to confirm that its compositions do not contain some of the above-mentioned substances.
- If a new liquid vehicle washing agent is used, do not splash the liquid onto the interior surface of the vehicle. The reason is that the liquid may contains some of the above-mentioned substances. If the liquid splashes out, wash off all splashed spots quickly.

Leather trims inside the vehicle

- Leather trims can be washed with the neutral detergent for cleaning wool textiles.
- Wipe off the dust by using a piece of soft cloth with neutral detergent. After that, wipe off the residual detergent with a piece of clean wet cloth.
- Wipe the washed leather or any wet part of the leather with a piece of clean and soft cloth. Put the leather at a well-ventilated, shady and cool place to let it dry.

200 6-2 Regular Maintenance

Note

- If the dirt cannot be washed by neutral detergent, the detergent containing no organic solvent may be used.
 - Do not wash the leather with organic substances such as volatile oil, ethyl alcohol, gasoline, or acid or alkaline solution, as they will cause color fading of the leather.
 - Using a nylon brush or man-made fiber cloth will damage the good patterns on the leather surface.
 - Dirty leather trims always produce mildew. Pay special attention to avoiding greasy dirt and always keep the trims clean.
 - Long-time exposure to the sun will cause surface hardening or shrinking of leather. Therefore, park the vehicle in shady and cool area especially in summer.
 - Avoid placing any objects made of vinyl plastics or materials containing wax on the trims in hot summer, because temperature inside the vehicle rises up easily. Such objects will stick to leather in a high-temperature environment.
 - Incorrect washing of leather trims will cause color fading or generate spots.
- Consult the local BYD authorized service provider if you have any doubt about washing the vehicle.

Precautions for DIY maintenance

- If you want to conduct maintenance of the vehicle by yourself, be sure to properly observe the procedure provided in this section.
- Note that improper or incomplete maintenance will affect the good service effect of the vehicle.
- This section only provides information on simple maintenance that can be operated by users. However, it may cover some maintenance items that must be completed by certified technicians with special tools.
- To prevent causing any accidental injury, be sure to take special care when maintaining the vehicle. Any overflowing coolant, wipe it clean with dry cloth or paper to prevent damage to components or paint.

Tip

- If the motor is very hot, do not remove or loosen the cap of the auxiliary water tank to prevent burns.
- Do not smoke inside or near the vehicle, so as to avoid producing spark or open flame, which is liable to cause a fire.
- Be very careful when handling the battery. The battery contains toxic and corrosive sulfuric acid.
- When the vehicle is only supported by a jack, personnel are not allowed to enter under the vehicle. Be sure to support the vehicle with a vehicle support frame or other firm supports.
- Working on or beneath the vehicle requires use of goggles to avoid exposing the eyes to damage from splashing or falling objects or liquids.
- Take care when refilling brake fluid because it will damage skin or eyes. If any brake fluid splashes onto skin or into eyes, immediately wash the splashed part with clean water. If you still feel uncomfortable in hands or eyes, go to the hospital at once.

Note

- Some circuits and parts of the vehicle have high current or high voltage, so beware of short circuit.
- Any overflowing brake fluid should be washed off with water to prevent causing damage to the component or painted surface.
- Prevent the wiper from scratching the glass surface when replacing wiper blades.
- Check whether any tool or wiping cloth is left in the front compartment when closing the front hood.

202 6-3 DIY Maintenance

Storage of Vehicle

If the vehicle needs to be parked for a long time, the following preparations should be made. Proper preparations are helpful for preventing the deterioration of vehicle conditions and easy for restarting the vehicle. If possible, please park and store the vehicle indoor.

- Thoroughly clean and dry the outer surface of the vehicle.
- Clean the interior of the vehicle and make sure that the carpet and mat are completely dry.
- Release the parking brake. Place the gearshift lever in the P position.
- Block the rear wheel.
- Place a piece of folded towel or cloth under the front wiper arms to make sure they do not contact with the windscreen.
- To reduce the possibility of sticking, spray silicone lubricant on sealing strips of all doors and the trunk lid and apply vehicle body wax onto the painted surface where it may contact with the sealing strips of all doors and the trunk lid.
- Cover the vehicle body with breathable coverings made of porous materials such as cotton cloth, Because non-porous materials like plastic cloth may damage the surface paint of the vehicle body.
- Glass doors, doors, front hatch covers and trunk lids should be closed in place.

Tip

To ensure the performance and normal power supply of the power battery and the start battery during transportation or storage of the vehicle, it is recommended that the vehicle SOC value be in the range of 25%~40% before transportation or storage.

Sunroof Maintenance

- Wipe the dust or sand off the outer sealing strip of the sunroof with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
- Wipe the dust or sand off the front glass molding edges with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
- Always clean the front end of the rear glass (after the front glass is fully opened) to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in poor drainage of the sunroof;
- Always clean the guide rails on both sides and front water channel to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in poor drainage of the sunroof;

- During the vehicle washing, avoid pointing water stream directly to the sealing strip with a high pressure water spray gun; otherwise, the sealing strip is likely to be deformed or even damaged under the pressure of high pressure water, and water may easily flow into the vehicle;
- In winter, the sunroof is prone to be frozen. If the sunroof is forced open in this case, the sealing strip or other parts of the sunroof will be damaged. Warm up the vehicle for a while and turn on the A/C heating system to speed up melting of snow/ice on the sunroof. After the inside temperature reaches a certain value, re-try to open the sunroof. Wipe residual moisture off the sunroof to prevent it from being frozen.
- Do not fully open the sunroof when driving on extremely bumpy roads. Otherwise, the excessive vibration of the sunroof and the guide rails may cause deformation of the relevant components or even damage the motor. Moreover, never open the sunroof on a rainy day or when washing the vehicle.

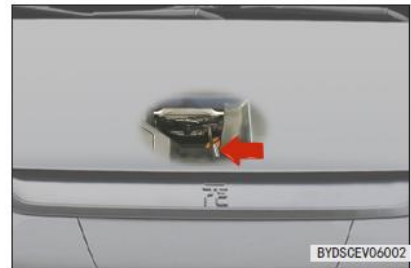
Front hood

Opening of front hood

1. Pull up the opening handle of front hood on the left side of the dashboard lower body twice continuously, and the front hood will open up slightly; then pull it manually to open it.



2. Put your finger under the front edge of the front hood at the right position of the front center of the car, and push the front hood lock to the right (the direction of vehicle body coordinates) until it releases the front hood and then open the front hood.



3. Lift up the front hood and support the front hood with support rods.
4. To close the front hood, lower it to a height of approx. 30 cm above the front grille and release your hands to allow it to drop freely to lock.
5. After closing the front hood, remember to check whether the lock catch is locked firmly.
6. If the front hood can be opened without toggling the front hood latch, or if the front hood latch does not move flexibly or does not spring back into position, then the front hood locking mechanism should be cleaned and lubricated, if it still does not work properly, please contact an BYD Auto Authorized Service Provider for assistance.

Note

- Before driving, make sure that the front hood is closed and tightly locked, otherwise the front hood may suddenly open during driving, resulting in an accident.

Cooling system

Check the coolant pot.

- 1 Motor coolant
 - 2 PTC heating system coolant/battery pack coolant
- If the coolant level in the pot is between the "MAX" (highest scale level) and "MIN" (lowest scale level) mark lines, the requirements are met.



- If it is lower than the lower limit scale, add coolant to make the liquid level rise to the upper limit (MAX) scale. Check the cooling system for leaks.
- The coolant should always use the same specification as that of the original factory. Without adding any admixture. Different brands and models of coolant cannot be mixed.

i Tip

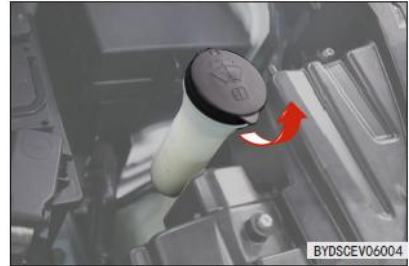
- Opening the cap of the pot when the motor is not completely cooled may cause the coolant to spray out and cause severe burns.

A Note

- Do not add any rust inhibitor or other additives to the cooling system, to avoid incompatibility with coolant , Because additives may be incompatible with coolant or motor components.
- Before opening the coolant auxiliary tank cap, it must be confirmed that the motor, high-voltage electronic control integrated module, coolant auxiliary tank cover and radiator are all cooled.

Washer

- The windshield washer reservoir is located rear the left headlight in the front compartment . Remove the cap and check the liquid level of the reservoir.
- During the period of normal service, check the fluid level in the fluid reservoir of windshield washer at least once a month.
- If the washer is used frequently in bad weather, check the fluid level in the fluid reservoir more frequently.
- Add high-quality windscreen washing fluid, which can improve the decontamination ability and prevent freezing in cold weather.
- When refilling washing fluid into the fluid reservoir, dip a piece of clean cloth into windscreen washing fluid and then clean the windscreen wiper blades with the cloth. This is helpful to making the cutting edges of wiper blades be in a good service condition.

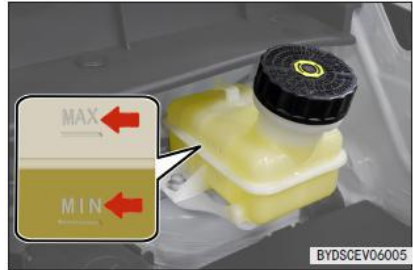


Note

- Do not refill coolant or acetic acid solvent into the fluid reservoir of windscreen washer.
- Antifreeze will damage the surface paint of the vehicle, and vinegar solvent will damage the windshield washing motor.
- It is recommended to use qualified windscreen washing fluid.

Braking system

- The liquid level in the tank should be checked once a month. Brake fluid should be changed according to the travel time and mileage specified in the regular maintenance table.
- Be sure to use brake fluid of the same specification as that of the original factory, and different types of brake fluid cannot be mixed.
- The liquid level should be between MIN (lower limit) and MAX (upper limit) marks on the tank wall of the liquid storage tank.
- If the liquid level is at or below the lower limit (MIN) mark, it is necessary to check the brake system for leakage and wear of brake friction plates.



Wiper Blade

Wiper blades are made of synthetic rubber and they are wearing parts. Various service environments of the vehicle and using habit of the driver may cause damage to wiper blades. To ensure the service life of wiper blades and the running safety of vehicle, be sure to observe the following precautions:

- Do not use wiper blades to remove the ice on the windscreen surface. Instead, a special ice scraper should be used.
- Do not scrape on dirty, greasy or waxy windscreen surface.
- Keep the windshield surface clean. Do not scrape the dust, sand, insects and foreign objects on the windshield surface.
- It is unnecessary to wax the windscreen during vehicle washing and paint maintenance of vehicle body, because the wax film will reflect light in the environment with poor light ray, which may affect the visual range and driving safety. After vehicle washing, rinse wiper blades with purified water and remove the wax film on the windscreen with a special cleaning agent for glass wax film.
- During vehicle washing, do not directly wash wiper blades with a water gun, so as to prevent damage to wiper blades due to excessively high water pressure.

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Maintenance rules

- Clean the windscreen and wiper blades at regular intervals (once a week or once every two weeks is recommended).
- It is also recommended to scrape the windshield with wiper blades (once a day or once every two days) even if there is no rainfall. Be sure to keep the windscreen sufficiently wet when wiping the windscreen with wiper blades (in case of no rainfall, the washing fluid must be sprayed on the windscreen in advance).
- Use a special windscreen cleaning agent to clean the windscreen.
- Wipe any mud or dead body of insect on the windscreen with a piece of wiping cloth in time.
- Maintain the windscreen in time if any gravel hitting scars are found on it (repair resin or similar product for windscreen is suggested, and the windscreen should be replaced if there are too many or large scars).
- Replace wiper blades at regular intervals (once half a year is recommended).
- Wiper arms must be lifted up before cleaning the windshield. The specific operating method is as follows:
 1. Power off the vehicle first.
 2. Grasp the upper end of the wiper arm and carefully lift the wiper arm and blade assembly.

A/C system

- The A/C system in your car is a closed system, and any important maintenance work should be carried out by qualified technicians.
- You can carry out the following operations to ensure work efficiency of the A/C system:
 - Check the air conditioning condenser at regular intervals. Remove leaves, insects and dust deposited on front surfaces of the radiator and the A/C condenser. As these deposits will impede air flow, thus reducing the refrigeration effect. Please clean it with a low-pressure water gun or a soft brush.

Note

- Condenser and radiator fins are extremely easy to bend and can only be cleaned with a low-pressure water gun or a soft brush.
 - In order to circulate the lubricating oil contained in refrigerant, run the air conditioner at least once a week and 10 min each time in the months with cold weather.
 - If the refrigeration effect of the climate control system becomes worse, send the vehicle to a BYD Auto Authorized Service Provider for inspection and repair of the system.

Note

- The maintenance shop is required to ensure the use of refrigerant recirculating system no matter when the A/C system is inspected and repaired.
- This system can recycle the refrigerant, as direct emission of refrigerant into the atmosphere will cause environmental pollution.

Warning

- Electric compressor is used in the A/C system. Please use genuine POE refrigerant oil for maintenance. It is strictly forbidden to use substandard refrigerant oil such as fake POE refrigerant oil.

Tire

- For the purpose of safe driving, the model and size of tires must fit your vehicle model, and the tires must have good tread patterns and standard tire pressure.
- The following pages provide details on how to check tire pressure, damage to and wear of tires, and the operating method for tire rotation.

Warning

- Using excessively worn, under-pressure or over-pressure tires will cause accidents, even resulting in personal injuries and deaths.
- Please observe the following instructions about tire inflation and maintenance.

Inflating

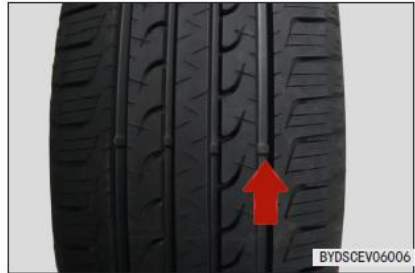
- Proper inflating of tires can provide the best combination of maneuverability, tire tread life and driving comfort.
- Using under inflated tires will result in uneven wear of tires and affect maneuverability and electric energy consumption. More likely, air leakage may be caused due to overheat.
- Using overinflated tires will reduce the driving and riding comfort and cause damage to tires more easily due to uneven road surface. In severe cases, there will be the risk of tire burst, which may threaten the vehicle safety seriously.
- It is recommended that you visually inspect the tires every day. If you think that the tire pressure of a certain tire is low, you should immediately check it with a tire pressure gauge, and measure the tire pressure with the tire pressure gauge at least once a month. Even if the tire is in good condition, the tire pressure may decrease by 7 ~ 15 kPa (0.07 ~ 0.15 kgf/cm²) every month.
- Measure tire pressure when the tire is in a cold state. This means that tire pressure measurement should be carried out at least three hours after stopping of the vehicle. If you have to drive the vehicle before tire pressure measurement, tires are considered to be in cold state as long as the running distance is not greater than 1.6 km.
- If the tire pressure is checked when the tire is hot (after driving for several kilometers), the pressure reading will be 30 ~ 40kpa (0.3 ~ 0.4 kgf/cm²) higher than that when the tire is cold. This kind of phenomenon is normal. Please do not deflate in order to reach the specified cold tire pressure reading, otherwise the tire pressure will be insufficient.
- Bring your own tire pressure gauge and use it to check the tire pressure every time.

Tip

- The standard tire pressure value sign is attached to the door frame on the drivers side.

Inspection

- Check also to see whether tires are scratched, punctured and worn every time when checking the inflation state of tires.
 - Damage or bulge on the tire tread or side. The corresponding tire should be replaced if any of these phenomena is found.
 - The corresponding tire should be replaced The tire should be replaced.
- A wear mark is provided inside the tire tread. When the tire tread is worn to this mark, you will see a strip sign stretching across the tire tread. The strip sign means that the thickness of tire tread is less than 1.6 mm. A tire worn to this degree has very small adhesive force on a wet and slippery road.
- If there are three or more wear marks on the tread, the tire should be replaced.

**Maintenance**

- In addition to proper inflating, correct wheel alignment is helpful to reducing wear of tire tread.
- It is recommended to drive the vehicle to a BYD Auto Authorized Service Provider for checking the wheel alignment status if any uneven wear of tire is found.
- Balancing of tires has been done before delivery of the vehicle. However, re-balancing of tires should be carried out after a certain period of vehicle running.
- If you feel a kind of continuous vibration when driving the vehicle at a high speed (80 km/h), but do not feel such vibration when driving at a low speed, it is recommended to drive the vehicle to a BYD Auto Authorized Service Provider to check tires.
- If any tire was repaired before, be sure to carry out re-balancing of the tire.
- Be sure to carry out balancing of tires when installing or replacing with new ones.

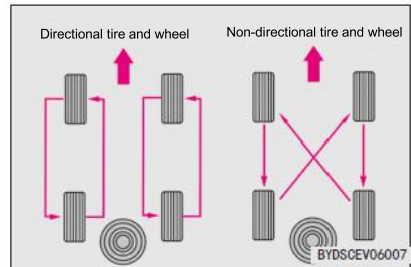
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Warning

- It is recommended to use the original balance weight of BYD. If the inferior balance weight is used, it may cause damage to the wheels.

Tire rotation

To enable tires to be worn to the same degree and lengthen their service lives, we recommend that you perform tire rotation regularly and carry out alignment inspection and adjustment of all these four wheels.



Replacement of tires

Tip

Please observe the following instructions. Otherwise, resulting in loss of control over the vehicle.

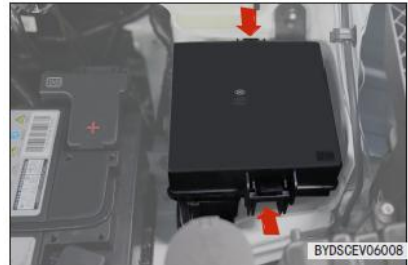
- Do not use radial tires, bias belted tires or diagonal ply tires on the vehicle in a mixed way.
- Do not use other tires that are not from the original factory.

Fuses

All electric circuits on the vehicle are provided with fuses to prevent causing short circuits or over-load operation. These fuses are installed in fuse boxes, namely the front compartment fuse box and the dashboard fuse box. Fuse labels are attached to the fuse box of the front cabin and the fuse box of the dashboard. Through the label, the correspondence between the fuse and the electrical components can be determined.

Front compartment fuse box

- The fuse box under the front hood is located at the left rear of the front hood. To open it, just press the latch as shown in the figure.



Dashboard fuse box

- The fuse box of the dashboards located inside the left lower guard plate of the main driving instrument panel. Remove the left guard plate of the dashboard to repair the fuse.



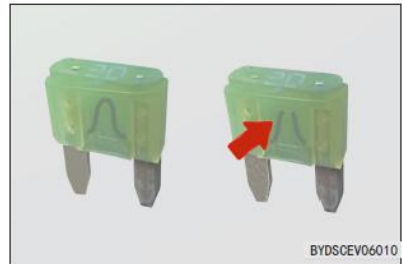
Check and replace fuse

- If a certain electrical equipment on the vehicle stops working, you should first find out the blown fuse.
- Determine which fuse or fuses control the assembly according to the diagram or the location map on the fuse box cover.
- Before determining that the blown fuse is not the cause of the fault, all fuses should also be checked.
- Replace all blown fuses and check the operation of electrical components. The specific operation is as follows:

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1. With the power in the OFF mode, make sure that the headlights and other accessories are turned off.
2. Open the fuse box cover.
3. Measure both ends of the fuse with multimeter conduction mode to confirm whether it has blown, and check each thick fuse in the fuse box under the front hood.
4. Use the fuse puller attached to the fuse box in the front compartment to pull out the thinner fuses in the fuse box in the front compartment and all the fuses in the fuse box in the car, and check them one by one.
5. Find the burned-out wire in the fuse. If it has been blown, replace it with a spare fuse with the same or lower amperage.

- When the vehicle can't be started because the fault has not been eliminated, and there is no spare fuse to replace, you can replace the fuse with the same or lower amperage from other circuits, but you must make sure that you can drive without using the circuit (such as radio) for the time being.



- If you replace a blown fuse with a spare fuse with a lower amperage, it may blow out again.
- Although this does not indicate a fault, it should be replaced with a fuse with the correct rating as soon as possible.

Note

Never use fuses with amperage ratings above the specified value or any other object instead. Otherwise, serious damage will be caused, possibly resulting in a fire.

- Replacing a blown fuse with the one having a higher amperage value will greatly increase the possibility of damaging the electrical system.
- If you do not have a fuse whose amperage value matches with the circuit, just replace the blown fuse with the one having a lower amperage value.

6. If the replacement fuse with the same rating is blown again in a short time, it indicates that there may be serious electrical fault in the vehicle. At this time, you should leave the blown fuse on the circuit and ask professional technicians to check your vehicle.

Label of front compartment fuse box

SCEV **注意 只能使用指定的保险丝和继电器**
NOTICE USE THE DESIGNATED FUSES AND RELAYS ONLY

Front compartment distribution box UEC

16	5A	17	10A	18	10A	19	10A	20	10A
EVV检测 EVP Check		左前大灯 Head LL		右前大灯 Head RL		左后大灯 Head LH		右后大灯 Head RH	
6	10A	7	10A	8	7.5A	9	20A	10	20A
电动真空泵 I EVP I		空调水泵 A/C Pump		远光灯 Head H		近光灯 Head L		充电口解锁继电器 CPA unlock	
1	40A	2	40A	3		4		5	
电动真空泵 I EVP I		电动真空泵 II EVP II		预留 Reserve		预留 Reserve		预留 Reserve	

26	10A	27	7.5A	28	10A	29	5A	30	7.5A
模块IG3 Model IG3		电机水泵 MCI Pump		空调模块 A/C Model		电子脚垫阀 EPV		前后摄像头 MIR HTR	
26	15A	27	15A	28	30A	29	30A	30	5A
IG3		IG4		低速风扇 GS Fan		前大灯 H/L H/L		喇叭 Horn	
21	40A	22	40A	23	25A	24	30A	25	
鼓风机 Blower		ABS/ESP		ABS/ESP		后除霜 DEF		预留 Reserve	

电动真空泵 I 继电器 EVP Relay I	空调水泵 继电器 A/C Pump Relay	充电口解锁继电器 CPA unlock Relay 2
	雨刮继电器1 WIP Relay 1	雨刮继电器2 WIP Relay 2
电动真空泵 II 继电器 EVP Relay II	远光灯 继电器 Head H Relay	风扇模式 继电器 Fan Model Relay
	近光灯 继电器 Head L Relay	充电口盖锁继电器 CPA/Lock Relay 2

IG3 继电器 IG3 Relay	IG4 继电器 IG4 Relay	后除霜 继电器 DEF Relay
小灯 继电器 Tail Light Relay	前雾灯继电器 FR WSH Relay	后雾灯继电器 RR WSH Relay
预留 继电器 Reserve Relay	低速风扇 继电器 GS Fan Relay	高速风扇 继电器 BDL Fan Relay
	喇叭 继电器 Horn Relay	LOGO继电器 LOGO Relay

Dashboard distribution box IEC

5A	35 15A	36 5A	37 5A	38 5A	39	40	41	42	43	44	45	46	47
备用 Spare	备用电源 Backup	转向轴锁 STR Lock	示宽灯 S/RFP	EPB	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve	预留 Reserve
10A	22 7.5A	23 5A	24 5A	25 5A	26 15A	27 20A	28 5A	29	30	31	32 20A	33 20A	34 20A
备用 Spare	转向轴锁 STR Lock	USB	ABS/ESP	EPS	SRS	左前车门 FL Door	模块IG1 Model IG1	预留 Reserve	预留 Reserve	预留 Reserve	左前车门 FR Door	右前车门 RR Door	右后车门 RR Door
15A		21					K2-1 IG1 前雾灯		K2-2 ACC 前雾灯		K2-3 预留 前雾灯		K2-4 预留 前雾灯
备用 Spare		预留 Reserve											
		11					12 15A	13 15A	14 20A	15 5A	16 5A	17 5A	18 5A
		预留 Reserve					遮阳帘 Sun Blind	驻车水泵 S-Roof	左前车门 FL Door	雾灯开关 DOME	车窗开关 Window SW	DEC	驻车电机 PAD Motor
		01					02 30A	03 10A	04 25A	05 5A	06 5A	07 16A	08 7.5A
		预留 Reserve					多合一 BCM	空调 A/C	门锁 Door Lock	转向灯 STOP	模块蓄电池 EOLU BAT	主机 Host	无线充电 WLCM
												09 30A	10 30A
												芝浦 EPP-1	右EPB R-EPB

BYDSCEV06011

Front compartment fuse

S/N	Ampere	Component or Circuit Protected
1	40A	Electric vacuum pump1
2	40A	Electric vacuum pump 2
3	/	Reserved
4	/	Reserved
5	/	Reserved
6	10A	Battery manager system
7	10A	Charging and distribution assembly
8	7.5A	A/C water pump

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S/N	Ampere	Component or Circuit Protected
9	20A	Low beam
10	20A	High beam
11	10A	Charging port cap
12	30A	Front wiper
13	/	Reserved
14	/	Reserved
15	/	Reserved
16	5A	EVP detection
17	10A	Left Low beam
18	10A	Right Low beam
19	10A	Left high beam
20	10A	Right high beam
21	40A	Blower
22	40A	ABS/ESP
23	25A	ABS/ESP
24	30A	Rear defrosting
25	/	Reserved
26	15A	IG3
27	15A	IG4
28	30A	Low speed fan
29	30A	High speed fan
30	5A	Clearance light
31	10A	Horn
32	10A	Rear wiper
33	10A	Front washer

S/N	Ampere	Component or Circuit Protected
34	10A	Rear washer
35	5A	LOGO
36	10A	Module IG3
37	7.5A	Electric control water pump
38	10A	A/C module
39	5A	Electronic expansion valve
40	7.5A	Defrosting exterior rearview mirror

Instrument fuse

S/N	Ampere	Component or Circuit Protected
01	/	Reserved
02	30A	BCM
03	10A	A/C
04	25A	Door lock
05	5A	Brake light
06	5A	Module Constant Power
07	15A	Main machine
08	7.5A	Mobile phone wireless charging
09	30A	Left EPB
10	30A	Right EPB
11	/	Reserved
12	15A	Sunshade
13	15A	Panoramic sunroof
14	20A	Front left window
15	5A	Interior light

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S/N	Ampere	Component or Circuit Protected
16	5A	Window switch
17	5A	DLC
18	5A	PAD rotary motor
19	5A	Switch assembly
20	/	Reserved
21	/	Reserved
22	7.5A	Steering shaft lock (if any)
23	5A	USB
24	5A	ABS/ESP
25	5A	EPS
26	15A	SRS
27	20A	Front left window
28	5A	Module IG1
29	25A	Front wiper washing (if any)
30	-	Reserved
31	-	Reserved
32	20A	Front right window
33	20A	Left rear window
34	20A	Right rear window
35	15A	Emergency power supply
36	5A	Steering shaft lock (if any)
37	5A	Switch assembly
38	5A	EPB
39	/	Reserved
40	/	Reserved
41	/	Reserved

S/N	Ampere	Component or Circuit Protected
42	/	Reserved
43	/	Reserved
44	/	Reserved
45	/	Reserved
46	/	Reserved
47	/	Reserved

When Failure Occurs **7**

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222 7-1 When Failure Occurs

Tip

- If the vehicle needs to be stopped in emergency, please wear the reflective vest equipped with the vehicle in time.

Emergency Shutdown System

- If the following conditions are met, the emergency shutdown system will be activated and the HV system will shut down automatically:
 - The airbags did not deploy after certain collisions with the vehicle.
 - Some rear collisions;
 - Some vehicle system faults occur.
- In the event of such a collision and certain vehicle system faults, the "Drive and Ready" ("OK" indicator) will switch off.
- The risk of leading to injury or unexpected event can be minimized as the emergency shutdown system can be activated after the occurrence of above-mentioned collisions. Once the emergency shutdown system is activated, the vehicle system will not be able to switch to the driving ready state. Even if the power switch is switched to the driving ready state, the system will be shut down immediately. In this case, contact a BYD Auto Authorized Service Provider as soon as possible.

Rescue after Vehicle Fire

If your vehicle catches fire, operate the vehicle continuously as per the following methods and based on actual conditions:

1. Set the vehicle power to the OFF mode and leave the vehicle.
2. Under the condition of ensuring personal safety, if the fire is small and slow, please use dry powder fire extinguisher to put out the fire and call for help immediately.
3. If the vehicle fire is fierce and spreads rapidly, keep away from the vehicle without delay and wait for rescue.

Note

- Be sure to wear insulating gloves when disassembling the vehicle. Put out fires with specified types of fire extinguishers. Attempt to extinguish fire with water or incorrect fire extinguishers may cause electric shock.
- If any objects (e.g. interior trims, glass, etc.) fly from the vehicle under other special conditions, keep away from the vehicle and timely notify a BYD Auto Authorized Service Provider to come to the spot for treatment.

Rescue after Vehicle Collision

If your vehicle suffers collision, operate the vehicle as per the following methods:

1. Set the vehicle power to the OFF mode and disconnect the start Fe battery in the front compartment if conditions permit.
 2. Call a BYD Auto Authorized Service Provider for rescue without delay.
 3. Carry out simple inspection and check whether the edge of power battery tray is cracked and whether there is visible liquid flowing out if conditions permit.
- In case of a little leakage, keep the vehicle away from source of ignition. Adsorb the leaking fluid with a fluid adsorption cushion and put the cushion into an enclosed container or burn the cushion. Be sure to wear corrosion protection gloves before operation. In case of plenty of leakage, collect the leaking fluid and treat it as dangerous chemicals. The toxic gas HF can be treated by adding calcium gluconate solution.

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- If any part of human body contacts with the leaking fluid, immediately wash the contacted part with plenty of water for 10~15 min. If the sufferer feels pain, apply 2.5% calcium gluconate ointment onto the contacted part, or dip the contacted part into 2~2.5% calcium gluconate solution to relieve pain. If these methods fail to relieve pain or any uncomfortable signs and symptoms appear, seek medical attention at once.

Warning

- Do not touch the fluid leaking out. Keep away from the leaking vehicle or power battery. Do not discard the leaking fluid into water, soil and other environments at will.
- The vehicle system uses HV direct current. The system will produce a lot of heat before and after starting the vehicle and when the vehicle is powered off. Pay attention to the effect of high voltage and high temperature.
- Do not disassemble, move or change HV battery components and connection wires, because the connector can cause serious burn or electric shock and may possibly lead to personal injury or even death. Orange connecting wires are high-voltage wiring harnesses. The user is not allowed to repair the vehicle's HV system. If any repair is needed, drive your vehicle to a BYD Auto Authorized Service Provider.
- The smart key for remote control of the electric vehicle and the vehicle's HV components may affect and injure any person carrying medical devices.

Flat Tire

- Be sure to gradually slow down the vehicle and keep the vehicle running in a straight line. Drive the vehicle away from the crowded traffic to a safe place. Avoid stopping the vehicle on the central fork of an expressway. Stop the vehicle on the solid and flat ground.
- Power off the vehicle and turn on the emergency light.
- Pull up the EPB and shift gear lever in P position.
- Be sure to have all passengers get off the vehicle and ask them to go to a safe place away from crowded traffic.
- To prevent the vehicle from sliding, place a stopper block under the tire in diagonal direction of the tire to be replaced.
- Please solve the problem of tire deflation by using spare tires.

Note

- Do not continue to drive the vehicle with flat tires. Even if the vehicle runs for a short distance, the tires will be damaged to an irreparable extent.

Tools

- The tools are stored in a tool box under the trunk lid.



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- 1 Jack rocker assembly
- 2 Jack
- 3 Towing hook
- 4 Wheel nut cover removal clip (if any)
- 5 Double head screwdriver
- 6 Toolkit



- 7 Warning triangle
- 8 Reflective vest

In an emergency, when you need to repair the vehicle by yourself, you must be familiar with the use of the jack and various tools and their storage locations.

Warning

When jacking the vehicle with a jack, in order to reduce the possibility of serious injury, please observe the following items:

- Observe the instructions when jacking up.
- Only use a jack to jack up the vehicle when changing tires. When jacking the vehicle, no one is allowed in the vehicle.
- Just jack up the vehicle to a height where the tires can be removed and replaced.
- When the vehicle is only supported by the jack, personnel should not enter under the vehicle, otherwise personnel will be injured.
- Make sure that the jack is set at the correct jacking point. Improper jacking position of the jack will damage the vehicle or cause the vehicle to fall off the jack and cause personal injury.
- When jacking up the vehicle, do not put any objects above or below the jack.

Placing Warning Triangle

i Tip

- Power off the vehicle and turn on the emergency warning light. When you park and repair your vehicle on a public road, remember to place a warning triangle 100 ~ 200 m behind your vehicle, with its red side facing the heading direction to warn the following vehicle drivers and prevent the occurrence of any dangerous condition. After repair, take back the warning triangle for use in the future.

The warning triangle is used to warn the following vehicle drivers and prevent the occurrence of any dangerous condition due to overspeed or failure of the following vehicles in braking timely and any collision with the front vehicle that is parked or being repaired.

Method for using the warning triangle:

- Take all pieces of the warning triangle out of the packing box.
- Assemble these pieces into an enclosed triangle.
- Release the support of warning triangle to its working state, as shown in the figure.



Use spare tire

Spare wheel position

- The spare tire is stored in the spare tire cover on the trunk lid.



Take out the spare tire

1. Use the double-headed screwdriver (flat head) in the on-board tool to insert the opening slot shown in the figure (when operating, the flat screwdriver head must be wrapped with flexible material to avoid damaging the paint surface), and pry open the camera cover plate.
2. Remove the cross recessed pan head screw using the double head screwdriver (cross head) in the on-board tool.
3. Remove the spare tire fixing nut by using the jack rocker assembly in the on-board tool.
4. Remove the spare tire.



The purpose of removing the spare tire is to put the running tire into the spare tire cover. At this time, it is necessary to remove the cover plate and the shock absorber support plate on the base and put it into the trunk.

Warning

- Be careful not to bump against the camera during removal, so as not to damage the camera.

Store flat tire

1. Lift the spare tire cover to a certain height, make its upper three protrusions align with the three protrusions on the spare tire base, then drop the three hooks under the protrusions of the spare tire cover into the corresponding three holes on the spare tire base, and ensure that the hooks on both sides of the spare tire cover hook into the corresponding holes on the spare tire base.



Note

- Before storing the spare tire, reset the spare tire cover damping block support plate and spare tire base damping block support plate, or the spare tire cover will have abnormal noise.
 - Do not bump against the camera during the installation of the flat tire, so as not to damage the camera;
 - Use the jack rocker assembly in the on-board tool to tighten the fixing nut of the flat tire.
2. Push the spare tire cover towards the front of the car so that the spare tire cover and the spare tire base are completely buckled.
 3. Tighten the fixing screw between the spare tire cover and the camera, and cover the camera cover.

Replace spare tire

Block the wheel

1. Place a stop under the diagonal tire of the flat tire to prevent the vehicle from sliding.
- When blocking the wheel, put the wheel stopper in front of the front wheel or behind the rear wheel.



Loosen the wheel nut

2. Remove the trim cover of the wheel nut with the wheel nut cover removal clip in the on-board tool bag;
 3. Loosen all wheel nuts of the flat tire;
- Before lifting the vehicle, loosen the wheel nuts.



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- Turn the wheel nut counterclockwise to loosen it.



i Tip

- Hold the end of the wrench handle and press it down. Do not let the wrench slip out of the nut.
- Do not remove the nut, simply loosen it by one or two turns.

! Note

- Do not use oil or lubricant on bolts or nuts. Otherwise, the nut will loosen and cause the wheel to fall off, thus causing serious accidents.

Position the jack

4. Place the jack at the correct jacking point as shown in the figure.
- Make sure that the jack is placed on a flat and stable ground.



! Note

- Make sure the jack lifts the vehicle correctly, otherwise it will damage the vehicle.

Warning

When jacking, the following regulations should be observed to reduce the possibility of personal injury:

- Do not put any part of your body under the vehicle that is jacked up by the jack. Otherwise, personnel may be injured.
- Do not power on the vehicle when the vehicle is jacked up.
- Park the vehicle on a flat and solid ground, activate the parking control mechanism and put the shift lever in neutral. If necessary, a stop should be placed under the diagonal tire of the tire to be replaced.
- Make sure that the jack is placed on the correct jacking point. Using the incorrect jack point to jack up the vehicle will damage the vehicle or cause the vehicle to fall off the jack and cause personal injury.

Jacking up the vehicle

5. After confirming that there are no passengers in the vehicle, jack the vehicle to a height where spare tires can be installed.

- Installing a spare tire requires a greater distance from the ground than removing a flat tire.



- When jacking the vehicle, insert the jack handle into the jack (loosely engaged) and then rotate it clockwise.
- When the jack touches the vehicle and starts to rise, check again whether the jack is in the correct position.

Warning

- When the vehicle is only supported by a jack, personnel are not allowed to enter under the vehicle.

232 7-1 When Failure Occurs

Replace the wheel

6. Remove the wheel nut and replace the tire. Replace the flat tire and put it aside. Roll the spare tire to the installation position, and align the bolt with the wheel hole. Then lift the wheel until the top bolt passes through the screw hole.
 - Turn the tire and push back until all other bolts pass through the screw holes.
 - Before installing the wheel, all corrosion on the installation surface must be removed with a wire brush.

Note

- When installing the wheel, make sure that the mounting surface is in good contact, otherwise the wheel nut will loosen and the wheel will fall off during driving.

Reinstall the wheel nuts.

7. Reinstall all wheel nuts.
 - When reinstalling the wheel nut, first tighten the wheel nut by hand as much as possible, then push the wheel backward and tighten the wheel nut again.

Warning

- Do not use engine oil or lubricating oil on bolts or nuts, as this will cause over tightening of nuts and damage of bolts. This will loosen the nuts and cause the wheels to fall off, thus causing serious accidents.
- If there is oil or lubricating oil on the bolt or nut, clean it.

Lower the vehicle

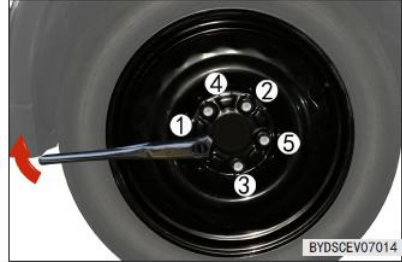
8. Lower the vehicle completely, tighten the wheel nut and cover the trim cover of the wheel nut.
 - Lower the vehicle and turn the jack handle counterclockwise.



i Tip

- Please use the wheel nut wrench to tighten the nut. Do not use other tools or any lever tools other than hands, such as hammers, pipes or feet.
- Make sure that the wrench is tightly sleeved on the nut.

- Tighten the nuts in the order shown, a little at a time, repeating the process until all the nuts are tightened.

**! Note**

- When lowering the vehicle, make sure that all parts of the body and all persons in the vicinity are not injured as a result of lowering the vehicle to the ground.
- The wheel nut must be tightened with a torque of 120N•m after replacing the wheel. Otherwise, the nut will loosen and cause the wheel to fall off, thus causing serious accidents.

After wheel replacement

9. Check the tire pressure after replacement.
 - Adjust the tire pressure to the specified value. If the tire pressure is lower than the specified value, slowly drive to a nearby service store to inflate, so that the tire pressure reaches the correct value.
 - Do not forget to install the tire valve cap, otherwise dust and moisture will enter the valve core and may cause air leakage. If the valve cap is lost, replace it with a new one as soon as possible.
10. Keep all tools, jacks and flat tires properly.
 - After replacing the wheel, the wheel nut must be tightened to the specified torque value with a torque wrench.
 - Maintenance of flat tires by technicians.

234 7-1 When Failure Occurs

Tip

- Before driving, make sure that all tools, jacks and flat tires are fixed in the storage position to reduce the possibility of personal injury in collision or emergency braking.
- Please observe the maximum speed limit of 80km/h when using the spare tire on the road.
- Do not use spare tire for a long time. It is recommended to repair and replace the tire at BYD Auto Authorized Service Provider as soon as possible.

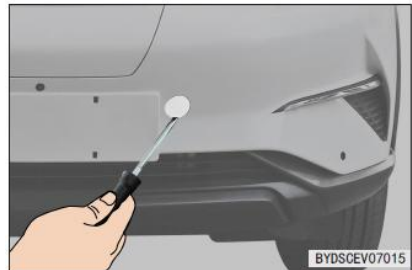
If the vehicle needs to be towed

- If the vehicle needs traction, it is recommended to contact BYD Auto Authorized Service Store. Do not use other vehicles to tow vehicles with ropes or chains.
- When a vehicle breaks down and needs to be towed, it is the best way to choose a flatbed trailer, because the single front wheel landing of the vehicle will damage the high-voltage components.

Traction hook installation base

The installation position of the towing hook is shown in the figure.

1. Pry up the trim cover of the traction hole with a tool.
2. Install the towing hook in the towing hole.



Tip

- It is not recommended to use tow hooks to transport your vehicle and it is best to contact a specialist towing service or an organization you have joined that offers roadside assistance.
- Only use the towing hook provided with the vehicle, otherwise the vehicle will be damaged. Do not tow the vehicle from the rear with four wheels on the ground, or it will damage your vehicle.

Vehicle Specifications **8**

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238 8-1 Data Information

Vehicle Parameters

Product model name		BYD7003BEV8	
Overall dimensions (mm)	L×W×H	4375×1785×1680	
Tread (mm)	Front / rear	1525/1535	
Wheelbase (mm)		2535	
Weight(kg)	Kerb weight		1605
	Axle load	Front axle	855
		Rear axle	750
	Maximum allowable gross weight		1980
	Axle load	Front axle	945
		Rear axle	1035
Tire size		205/60R16	
Tire pressure (MPa)		0.22	
Spare wheel specifications		T135/90R16 102M	
Tire pressure (MPa)		0.42	
Approach angle/departure angle (°)		23/26	

Product model name	BYD7003BEV8
Front × rear(mm)	855/985
Maximum gradeability (%)	30
Number of allowable occupants (person)	5
Maxi. design speed (km/h)	120
Rated power/speed/torque of electric vehicle drive motor (kW/r/min/N.m)	35/4775/70
Peak power/speed/torque of electric vehicle driving motor (kW/r/min/N.m)	100/12100/210
Power Battery	Lithium iron phosphate battery
Rated capacity of power battery(Ah)	135
Drive motor model	TZ180XSC
Reasonable range of brake disc (mm)	Front brake disc: 24~26 Rear brake disc: 10~12
Brake friction pair(mm)	Thickness of front friction material: 2~11 Thickness of rear friction material: 2~10
Dynamic balance requirement for wheel (g)	≤10
Free travel of brake pedal (mm)	≤5
Drive type	4× 2 Front drive

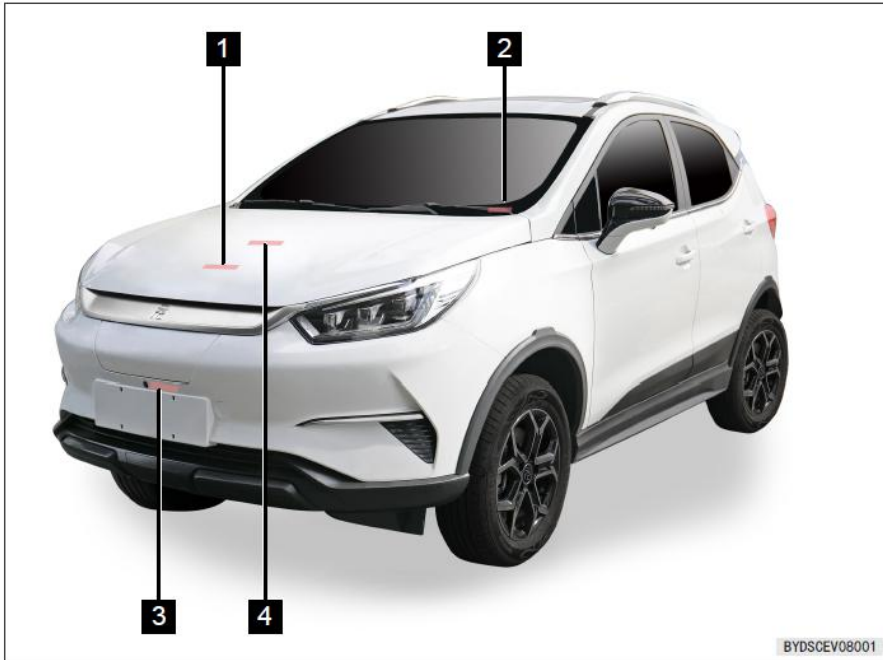
240 8-1 Data Information

Product model name		BYD7003BEV8
Wheel alignment parameters (under kerb wight)	Front wheel camber (°)	-0.77±0.75
		Unilateral: 0.8±1
	Toe-in of front wheel (mm)	1.6±2
	Kingpin inclination angle (°)	14.02±0.75
	Kingpin caster angle (°)	5.36±0.75
	Rear wheel camber (°)	-1.40±0.50
	Rear wheel toe-in (mm)	1.6±2.4
Unilateral 0.8±1.2		

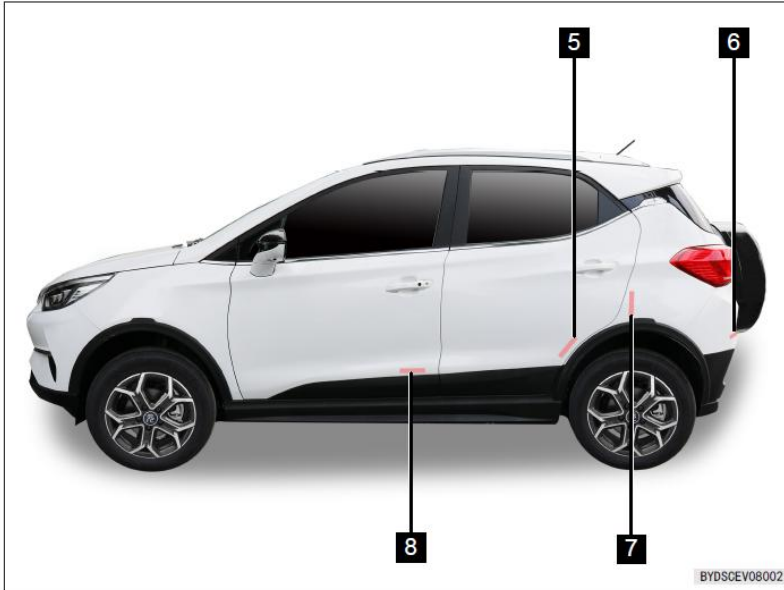
Note:The vehicle body width excludes the width of exterior rearview mirror,and the vehicle body height includes the antenna base and does not include the antenna part.

Vehicle identification

Vehicle identification number(VIN)



- 1** VIN code is pasted directly under the locking ring of the front hood.
- 2** VIN code is pasted on the lower left of the front windshield.
- 3** VIN code is pasted on the right side of tweeter.
- 4** VIN number is pasted on the front box of the front drive motor assembly



- 5** VIN code is pasted above the corresponding joint of the left rear door sheet metal locking ring.
- 6** VIN code is pasted in the middle of the lower edge of the trunk lid.
- 7** VIN code is pasted on the right inclined sheet metal of the left rear wheel bag.
- 8** VIN code is pasted below the corner line of sheet metal on the left front door joint.

VIN code is pasted on the beam under the front passenger seat.



Note: You may connect a VDS to the vehicle, select the vehicle model and read the VIN on the right upper corner. For details, please refer to the VDS manual.

Vehicle nameplate

- 1** Pasted under the right B-pillar lock ring and contain the following information:

- Company name
- Brand name
- Country of manufacture
- Vehicle model
- Seating capacity
- Year and month of manufacture
- Drive motor model
- Peak power of drive motor
- Rated voltage of power battery system
- Rated capacity of power battery system
- Vehicle identification number (VIN)
- Maximum allowable gross weight



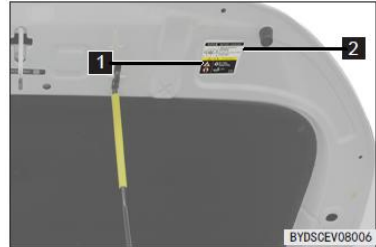
Drive motor model and number

The drive motor model and number are inscribed on the drive motor housing.



Warning Labels

- 1 A/C system, cooling fan label
- 2 Battery location label



The warning sign of side airbag (if any) is located under the left and right front door latches.



Child restraint system sign is located under the child safety locks on the left and right rear doors.



The tire pressure sign is pasted immediately below the left airbag sticker.



SRS warning stickers are located on the front and back of the passengers visor.



Microwave window

The electronic vehicle identification microwave window is located at the right upper side of the front windscreen.



Note

- Paste the electronic vehicle identification to an area without overlapping the glass frame or any other object.

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250 Abbreviations

ABS	Anti-lock brake system	ACC	Adaptive Cruise Control
AEB	Automatic emergency braking	AVH	Automatic vehicle hold
AVAS	Acoustic vehicle alerting system	E-call	Emergency rescue
CDP	Controller deceleration parking	ECU	Electronic control unit
ECO	Economics mode	EPB	Electric parking brake
ELR	Emergency locking retractor	HBA	Hydraulic brake assist
ESP	Electronic stability program	HHC	Hill hold control
HDC	Hill descent control	MAX	Maximum tick mark
ISOFIX	International Standards Organization Fix	PCW	Predictive collision warning
MIN	Min. scale	SOC	State of Charge (SOC)
NORMAL	Normal mode	EDR	Automobile Event Data Recording System
PM2.5	Green Air Purification System	SRS	Supplemental restraint system
SPORT	SPORT mode	TPMS	Tire pressure monitoring system(TPMS)
TCS	Traction control system	VIN	Vehicle identification number
VDC	Vehicle dynamic control	Cloud -call	Roadside assistance
VTOL	Vehicle to vehicle discharging connector		