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 aftersales service providers of BYD.

Sun Simiao, a famous doctor in the Tang Dynasty, discussed two issues about medical ethics in the Virtual of Great Physician, one is superiority, meaning that a doctor should be superior in medical skill and must be "knowledgeable in medicine and diligent"; the other one is sincerity, meaning a doctor of high moral character, with a sincere heart of treating patient like treating himself/herself. Aftersales service providers of BYD have introduced Sun Simiao's concept in the Virtual of Great Physician into the aftersales industry of automobile, and positioned the BYD Superior and Sincere Service Brand as "Superiority and Sincerity", featured by:

■Superior in providing good service ■Diligent and dedicated ■Enthusiastic and sincere ■Proactive and warm-hearted

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. All aftersales service providers of BYD will always devote to providing high-quality aftersales services to BYD's clients.

Foreword

Thank you very much for choosing the BYD Tang EV model. Getting through this manual is essential to the correct use and maintenance of the BYD Tang EV model.

Special instruction: BYD Auto Industry Co., Ltd. suggests that genuine spare parts be used for your vehicle and the vehicle be operated, maintained and serviced properly as per this manual. Replacing any parts of the vehicle with spare parts other than genuine spare parts or modifying it will affect the performances of the vehicle, especially its safety and durability. All damages and performance problems of the vehicle arising from this are not covered by the warranty. Furthermore, vehicle modifications may also violate national laws, regulations and local governmental regulations.

Thank you for choosing BYD Tang EV model. We welcome your opinions and suggestions! In order to ensure better service, be sure to provide your accurate contact information and in case of any change, please contact BYD authorised service provider to update your contact information on our system. Please pay attention to relevant national laws and regulations and local policies, and register your vehicle as soon as possible; otherwise, there may be a risk that your vehicle cannot be registered.

All notices marked as "WARM TIP", "CAUTION", and "WARNING" in this manual must be followed carefully to avoid possible injuries or damages. Make sure to read any information presented in the format below:

ⓘWARM TIP
For matters that must be followed to facilitate maintenance and others.

⚠CAUTION
For matters that must be followed to avoid damage to the vehicle.

⚠WARNING
For matters that must be followed to ensure personal safety.

The safety sign shown in the left figure indicates: "do not perform this" or "do not allow this to happen".

This manual is intended to help you use the product correctly and does not represent any description of the configurations and software version of the product. For information about the configurations and software version of the product, please refer to contracts (if any) related to the product or consult your vendor.

For enquiry on power battery recycling outlets, please visit BYD Auto's official website: https://www.byd.com/cn/socialresponsibility/batteryrecycle.html

For detailed product instructions, please follow the "Difenghui" or scan the following small program QR code with your Wechat.

Version: 201902

Overview of BYD Tang EV Model

As a pure electric passenger car featuring new energy and new power, BYD Tang EV is an environment friendly product developed by BYD with great efforts. The power battery pack is organically integrated with the integral body to fully ensure the safety of the battery and the vehicle.

The whole vehicle is driven by pure electricity with very low noise both inside and outside to provide driving and riding comfort unrivalled by fuel powered vehicles.

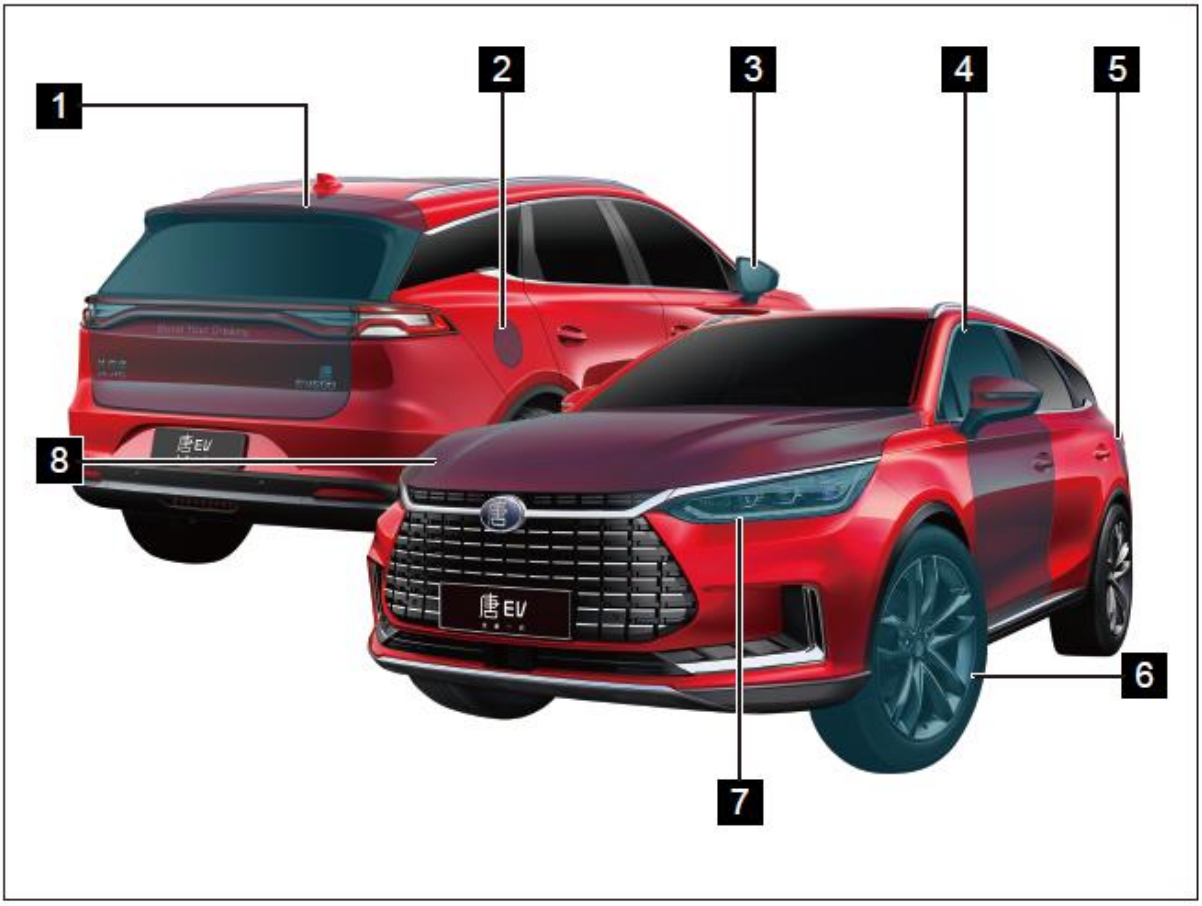
The ternary batteries, which have been strictly tested for high temperature, high voltage and impact, provide an excellent safety performance.

In the process of vehicle design, the safety of high voltage system and traditional fuel vehicle is fully considered, so as to protect passengers during collision.

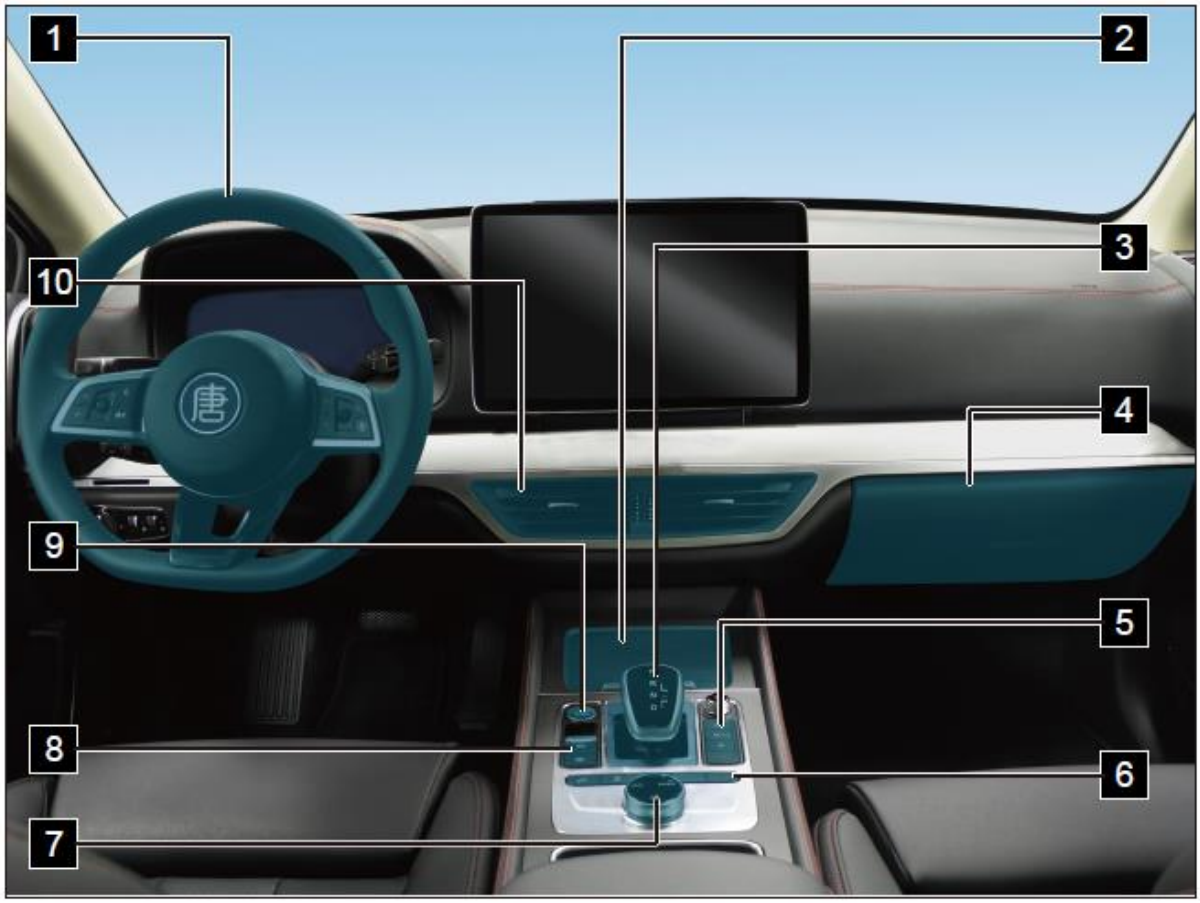
The battery management system, which always monitors the power batteries, can adjust the battery external output based on all monitored performance indicators such as voltage and current of each cell, so as to prevent overcharge, overdischarge, overtemperature and other problems, thus ensuring that batteries always operate normally.

The 180kW motor can provide BYD Tang EV with a large torque to enable it to travel at a high speed. It makes the vehicle easy to start.

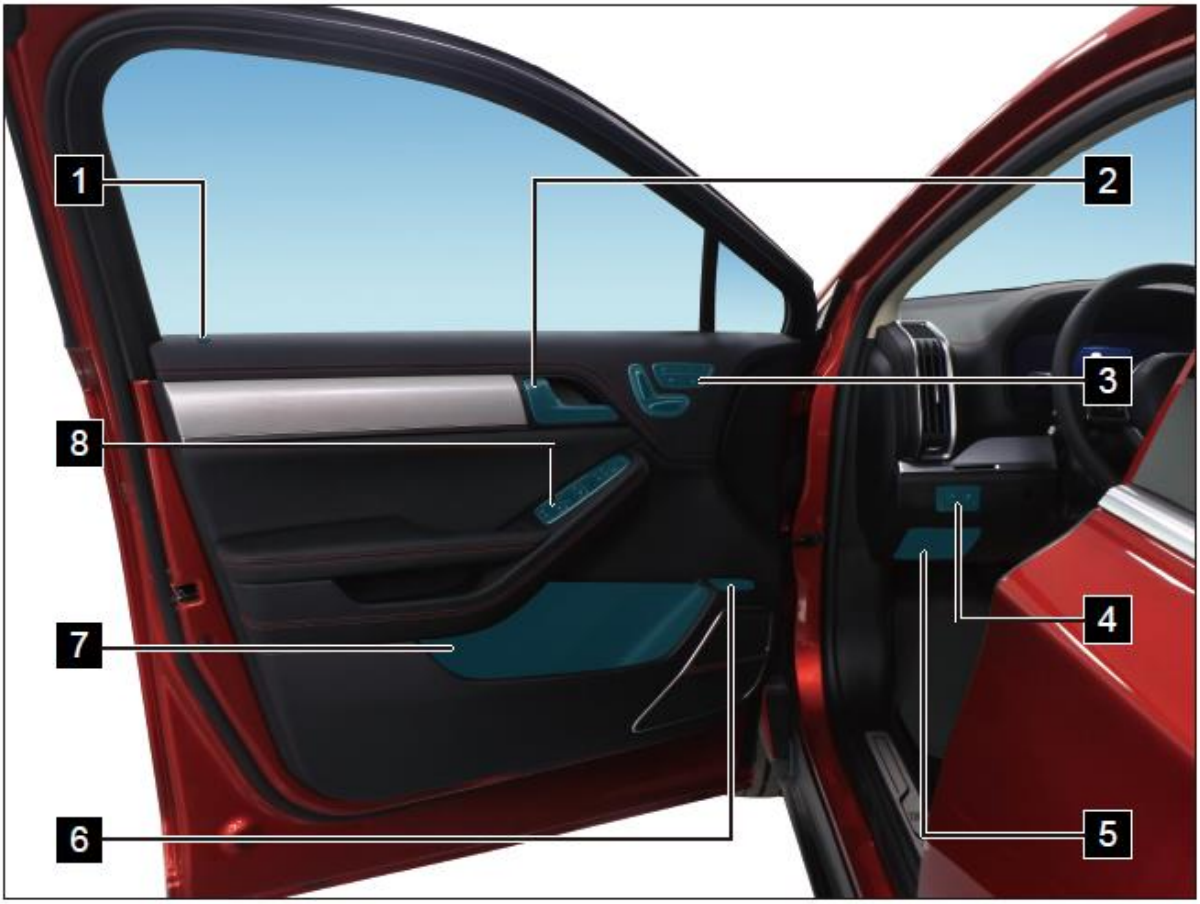
Outside



Dashboard



Inside



1 Safety

1-1 Seat Belt

Introduction to Seat Belt

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.

⚠CAUTION

- When the vehicle is travelling, please always use the seat belt.
- 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 (refer to Child Restraint System in this section).
- In case any seat belts are damaged or abnormal, contact a BYD authorised 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 onboard 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 in the vehicle are designed based on the adult's body size. Please select suitable seat belts based on your condition.
- It is suggested that a child be arranged on the middle seat and be sure to use a seat belt or suitable child restraint system. Otherwise, emergency braking or collision will cause severe injury or even life threat to such unprotected child. Likewise, do not allow any child to sit on another occupant's legs because the child cannot be well 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.

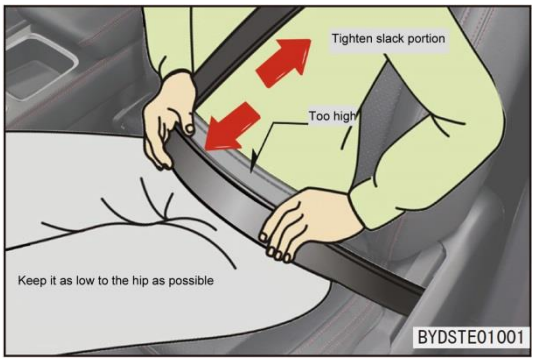
Pretensioning and force limitation functions of seat belt (if any):

If the vehicle suffers a severe frontal collision and the condition to trigger the pretensioner is met, the pretensioner retracts part of the seat belt rapidly and locks it up to enhance the protection for passengers. The force limiter limits the restraining force applied to passengers to a certain range, avoiding injury to passengers due to excessive restraining force.

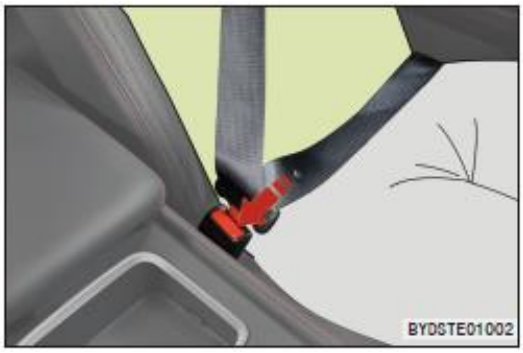
Use of Seat Belt

1. Adjust the seat to a proper position and adjust the backrest to a proper tilt (refer to the section about seat adjustment method).
2. Adjust the position of a three-point seat belt.

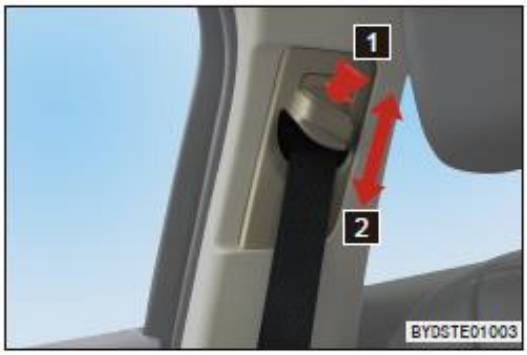
- Pull out the seat belt strap smoothly across the shoulder near the point where the strap is pulled out and then across the chest diagonally. Be sure not to pull the strap across underneath of the arm or back of the neck.
- Be sure to keep the lap belt in a position as low to the hip as possible.



3. Insert the seat belt tongue to the buckle until you hear the "click"; pull the tongue in the opposite direction to confirm it has been locked successfully. Take care not to twist the belt.



4. Adjust the seat belt height adjuster (front seats) to a proper position to obtain the maximum comfort and protection.



1 Press the seat belt height adjuster release button.

2 Hold the seat belt height adjuster and move it up/down to adjust the front seat belt to a proper height. Release the front seat belt height adjuster.

5. After adjustment, pull the shoulder belt with some force to check if the seat belt adjuster locks up.

WARM TIP

- The shoulder belt should cross the center of the shoulder. The belt should be positioned away from the neck and not slide off the shoulder easily. Otherwise, in case of emergency brake or accident, the seat belt cannot protect the passenger and even cause severe injury to the passenger.
- The lap belt should cross the hip as low as possible to prevent tightening strap from injuring occupants during accidents.
- The seat belt should be close to an occupant's body to better achieve its protection function.

6. Unfastening seat belt

- Press the red release button on the buckle; the tongue will be released and the seat belt strap will be retracted automatically.
- If any seat belt cannot smoothly retract automatically, pull it out and check for twist.

⚠CAUTION

- One seat belt is for one occupant only. Do not allow multiple occupants (including children) to share one seat belt.
- Avoid tilting the seat backrest too much. The seat belt provides the optimum protection when the seat backrest is held upright.
- Do not allow any seat belt or its buckle or tongue to be clamped by a door; otherwise, the seat belt may be damaged.
- Check the seat belts regularly for cuts, wear, looseness and other abnormal conditions. In case of abnormality, contact a BYD authorised service provider immediately for confirmation and handling; do not use corresponding seats before such confirmation and handling.
- Do not remove, disassemble or modify any seat belts arbitrarily.
- After an accident has occurred, contact a BYD authorised service provider for inspection of the seat belts. If the pretightening function of a seat belt is activated, be sure to replace the seat belt.
- If a severe accident has occurred, even though no obvious damage appears, replace the seat belt together with the seat assembly and conduct a thorough inspection of the supplemental restraint system.
- A pregnant woman should also fasten seat belt correctly as other passengers. Note especially that lap belt should be positioned across the hip as low as possible to prevent tightening seat belt from causing severe damage to the pregnant woman and her fetus in case of an accident.

Unfastened seat belt warning function

If the driver or front passenger fails to fasten his/her seat belt after the vehicle is started, the audible and visual warning system begins to work until both the driver and front passenger have fastened their seat belts.

- Main unfastened seat belt indicator

If any seat belt is not fastened, this indicator will illuminate and flash according to the alarm logic.

- Unfastened seat belt position indicator

If any seat belt is not fastened, the indicator corresponding to that position will illuminate. If the vehicle body has a problem, this indicator will stay.

- Unfastened seat belt warning for front seat occupants

With the power in the OK mode, when the driver fails to fasten the seat belt or a passenger sits on the front passenger's seat and fails to fasten the seat belt, the unfastened seat belt indicator and unfastened seat belt position indicator corresponding to that position will illuminate. If any seat belt is not fastened when the vehicle is moving, the unfastened seat belt indicator will illuminate and alarm will sound to remind the occupants.

- When the driver's seat belt and the front passenger's seat belt are fastened, the unfastened seat belt indicator and unfastened seat belt position indicator corresponding to that position will go out.

WARM TIP

- If the above-mentioned function becomes abnormal or fails, contact a BYD authorised service provider and do not use corresponding seats before the function returns to normal.
- When the vehicle is travelling, passengers in the vehicle must sit on seats and fasten their seat belts correctly. Otherwise, passengers in the vehicle are more liable to severe personal injury or even life threat during emergency brake or collision accident.

1-2 Supplemental Restraint System

Introduction to Supplemental Restraint System

- The supplemental restraint system (SRS) is supplemental to the seat belts. In case of a severe collision accident with the system triggering condition met, the SRS will deploy rapidly and together with the seat belts, provide additional protection for the heads and chests of the driver and passengers to reduce the probability of casualties.
- By the type of collision, the SRS is generally classified into front air bags and side air bags. The front air bags include a driver air bag, a front passenger air bag. The side air bags include front seat side air bags and curtain air bags.

WARM TIP

- Please keep the correct sitting posture to allow the seat belt and SRS to exert the maximum protection function.
- Do not install or remove any air bag parts privately.
- Do not use seat covers other than our genuine products; otherwise, the air bag performance may be affected or accidental injury may be caused to occupants. Do not place any objects between side air bags and occupants.
- Do not apply excessive force to the side of any seat equipped with a side air bag.
- After a collision occurs, though the air bag module does not deploy and the pre-tensioned seat belt does not lock up, to protect passengers from high-pressure hazards, the air bag computer may be encrypted. In this case, contact a BYD authorised service provider for testing.

SRS warning light

- The SRS is monitored by the ECU, with self-diagnosis function. Its state can be displayed via the warning light on the combination instrument.
- After the vehicle is powered up (OK), the SRS warning light will illuminate and goes out about 5s later. This indicates that the SRS is normal.
- If the SRS is deactivated, the SRS warning light stays on but the SRS will not have the protection function.

WARM TIP

- If the SRS warning light stays on, it indicates a fault in the system. In this case, have the SRS checked by a BYD authorised service provider as soon as possible; otherwise, the functions of the SRS will be affected.
- In case of water ingression into the vehicle (e.g., wet carpet/vehicle immersed in water) or vehicle damaged to any extent due to water ingression, do not start the vehicle before the start Fe battery is turned off; otherwise, the air bag may deploy, causing severe injury or even life threat.

Driver and Front Passenger Air Bags

If the vehicle selected is equipped with a driver air bag and a front passenger air bag, when the SRS ECU in the vehicle that is travelling senses a medium to severe frontal collision and the SRS triggering conditions are met, the air bags will deploy to reduce the degree of injury.

Front Seat Side Air Bags

If the vehicle you selected is equipped with left and right front seat side curtain air bags (as shown in the figure; the air bags are positioned outside the backrest of each front seat and both are marked with "AIRBAG"):

- When the vehicle suffers a medium to severe lateral collision when travelling and the SRS triggering conditions are met, the air bags will deploy to assist in protecting the chest of the driver/passenger on the side suffering the collision to reduce the degree of injury.
- 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.

On Vehicle Equipped with Seat Side Air Bags

1. 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.
2. Do not cover or replace the seat backrest cover privately. 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 "CURTAIN AIRBAG"), when the vehicle suffers a medium to severe lateral collision during travelling and the curtain air bag triggering conditions are met, the curtain air bag will deploy to assist in protecting the head of the driver/passengers on the side suffering the collision to reduce the degree of 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

- 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.

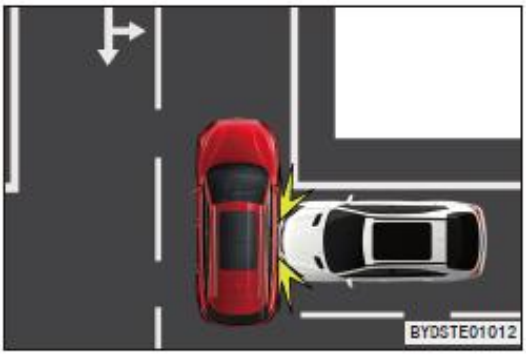
Conditions where SRS may be triggered

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

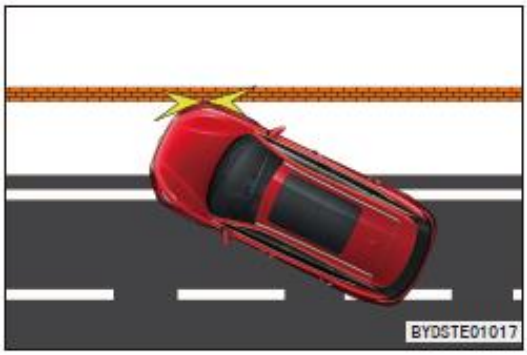
The vehicle hits a concrete column, wood or any other long and slender object.

The vehicle hits the lower part of a truck.

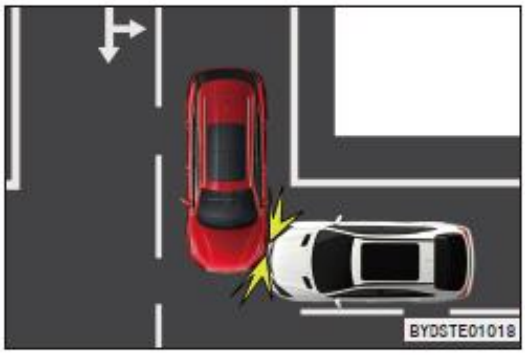
The vehicle suffers rear-end collision by another vehicle.

The vehicle overturns.

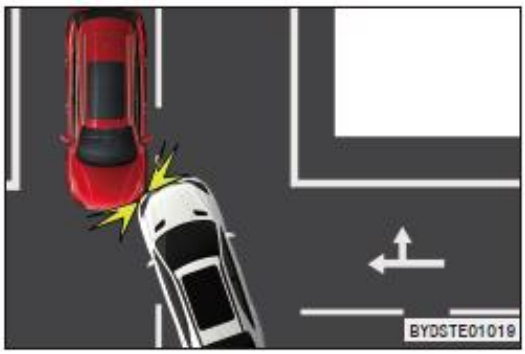
The vehicle hits a wall or another vehicle on a part other than the front part.



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, tyre 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.
- The driver should keep his/her chest at least 25 cm from the steering wheel to obtain effective protection when the SRS is triggered.
- When the vehicle is travelling, 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.
- 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, and surfaces of accessories at the seat side air bags. Clean the surfaces with dry or slightly damped 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 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, the deployment of the air bag will aggravate the risk of injury when an accident occurs.
- 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 travelling. 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.
- Be sure to replace the SRS within 10 years since the day of its manufacture. Contact a BYD authorised 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.

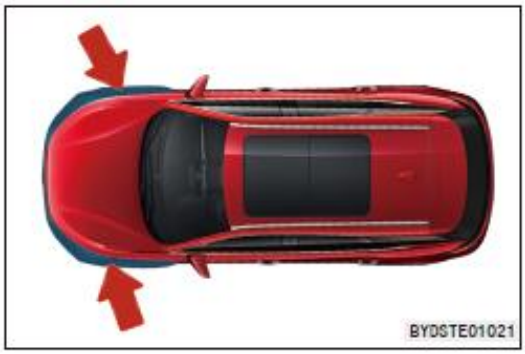
⚠WARNING (CONTINUED)

- Do not modify or replace seats or trims of seats with side air bags. These actions will prevent the side air bags from deploying normally, cause the system to fail or side air bags to deploy accidentally, resulting in severe injury or even life threat.
- 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.
- Do not modify any components of the SRS, including corresponding labels. Have any operation on the SRS carried out by a BYD authorised 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.
- 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.
- The SRS of the vehicle is designed with full consideration of the common misuse and road conditions in the country. 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.
- The SRS of the vehicle has been fully verified and the original wiring harness system matches the SRS perfectly. Any modification or change to the vehicle wiring harness may cause the SRS to be triggered in normal conditions or fail to be triggered when the triggering conditions are met.

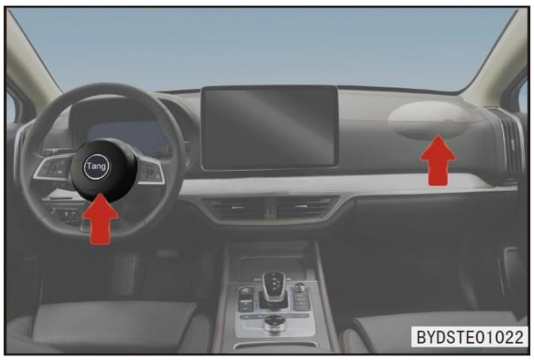
Maintenance of SRS

In the following conditions, contact a BYD authorised service provider immediately.

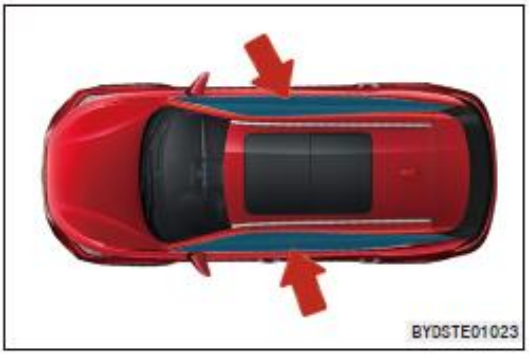
- Air bags have deployed.
- The SRS warning light on the combination instrument illuminates abnormally.
- When the front part of the vehicle (the part in shadow in the figure) suffers collision, the force is not sufficient to cause the air bags to deploy.



- The air bag cover is broken, split or otherwise damaged.
- The air bags need to be removed, disassembled, installed or repaired.



- The side air bags and curtain air bags have deployed.
- When the doors (the part in shadow in the figure) of the vehicle suffer an accident, the force is not sufficient to cause the air bags to deploy.
- The surface of a seat provided with a side air bag (the part in shadow in the figure) is scratched, split or otherwise damaged similarly.



- The decorative (liner) part (the part in shadow in the figure) of the A-pillar, roof longerons or C-pillar provided with internal curtain air bag is scratched, split or otherwise damaged similarly.

1-3 Child Restraint System

Classification of 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.

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.

CAUTION

- 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.
- If the vehicle is equipped with side curtain air bags, even though a child is placed in a child restraint system, do not lean his/her head or any other body part against any door, seat, front/rear pillar or side beam at roof (which will be affected when side curtain air bags deploy). Otherwise, a considerable impact force applied when the side curtain air bags deploy will cause severe injury or even life threat to a child there.
- Please install a child restraint system correctly as per the installation manual provided by its manufacturer. Otherwise, severe injury or even life threat may be caused to a child in case of emergency stop or accident.

WARM 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.

Installation of Child Restraint System

Please attach the child restraint system to the middle outboard seat as per the installation manual provided by the child restraint system manufacturer.

Fix the top tether when installing the child restraint system.

Installing child restraint system with ISOFIX rigid anchor

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

Anchor base (for top tether)

The middle seats are equipped with special anchor bases behind backrests.

- Child safety seat

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

WARM TIP

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

2. Lift the headrest, and pass the child seat top tether and clip through the space between the headrest levers to behind the backrest.

WARM TIP

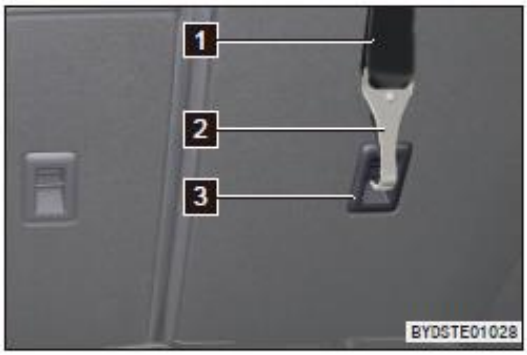
- If the child restraint system is provided with a top tether, fix the top tether to the anchorage position.

3. Attach the clip to the anchor base and tighten the top tether. Make sure that the top tether is attached securely.

1 Top tether

2 Clip

3 Anchor base



4. Reinstall the headrest.

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

- 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

- Push the child safety seat to different directions and make sure it has been securely installed.
- 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 there in case of emergency stop or accident.
- Do not install a child safety seat in the front seat.

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 (Less than 10 kg)	X	U	X
Group 0+ (Less than 13kg)	X	U	X
Group I (9~18kg)	X	U/UF	X
Group II (15~25kg)	X	UF	X
Group III (22~36kg)	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	Seat (or Other Positions)		
			Front Passenger	Middle Outboard Seats	Middle Center Seat
Carry-cot	F	ISO/L1	X	X	X
	G	ISO/L2	X	X	X
Group 0 (Less than 10 kg)	E	ISO/R1	X	X	X
Group 0+ (Less than 13kg)	E	ISO/R1	X	X	X
	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
Group I (9~18kg)	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.

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. Power off the vehicle.
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 the anti-theft system will be set automatically 10s later. Once the system finishes setting, the anti-theft indicator will start to flash.
4. Ensure that the indicator flashes and then you may leave the vehicle. 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 intelligent key.
  - The vehicle is powered up without using the PEPS function of the intelligent key.

Disarming alarm

- The alarm can be disarmed by the following methods:
  - Unlock doors or trunk lid with the intelligent key.
  - Carry the valid intelligent key and unlock doors with the microswitch.
  - Unlock the trunk lid remotely with the intelligent key.
  - Start the vehicle remotely with the intelligent key.
  - Press the START/STOP button with the intelligent key carried in the vehicle.

⚠WARNING

- Do not modify the anti-theft system by means of alteration or addition because such modification may cause a failure to the system.

Anti-theft indicator

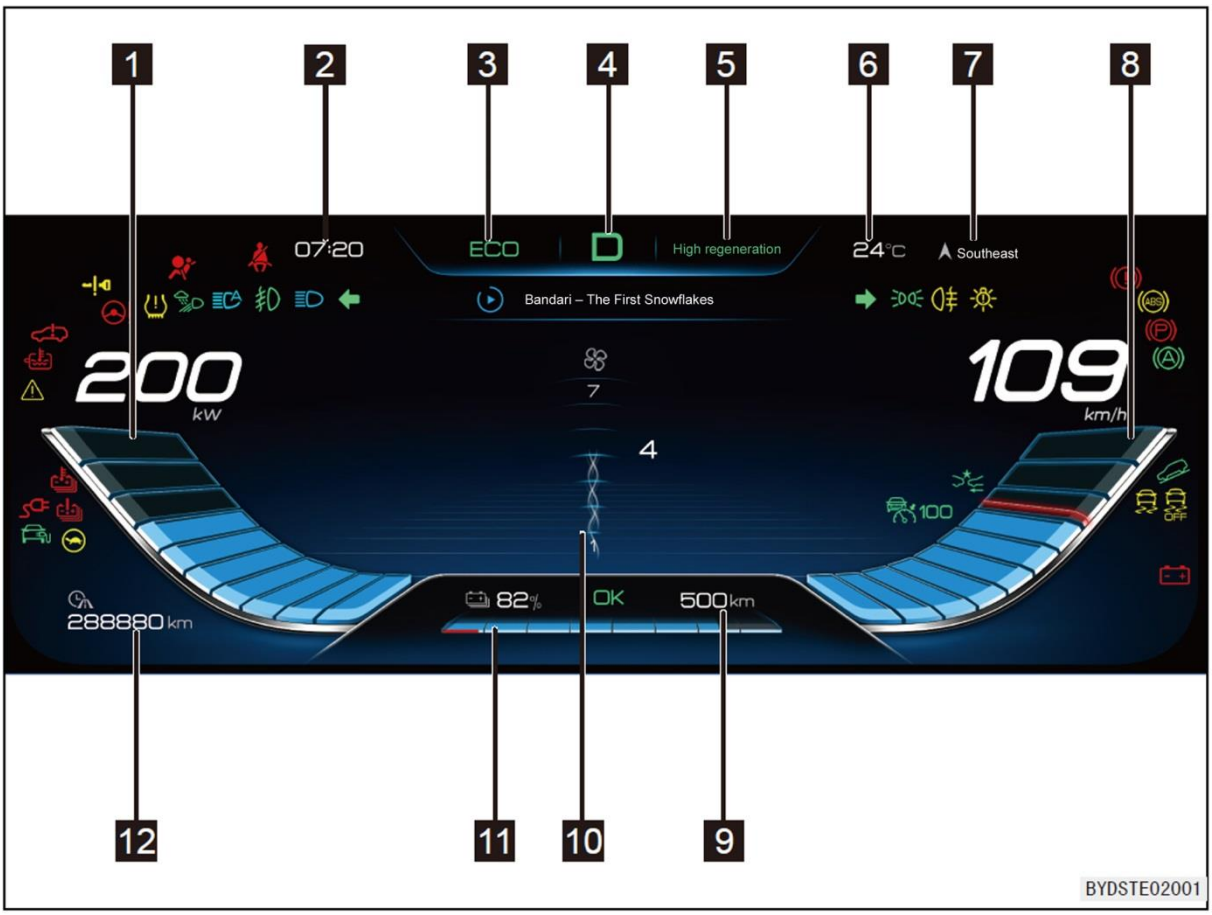
- In the anti-theft setting mode, the anti-theft indicator will illuminate for 10s.
- In the anti-theft mode or with the vehicle powered OFF, the anti-theft indicator will flash. If the vehicle has not been operated for more than 14 days, the anti-theft will go out.

2 Instrument Set

2-1 Combination Instrument

View of Combination Instrument

Full LCD combination instrument (12.3") (if any)



1 Power meter

2 Time

3 Working mode

4 Gear

5 Regeneration strength

6 Outside temperature

7 Orientation

8 Speedometer

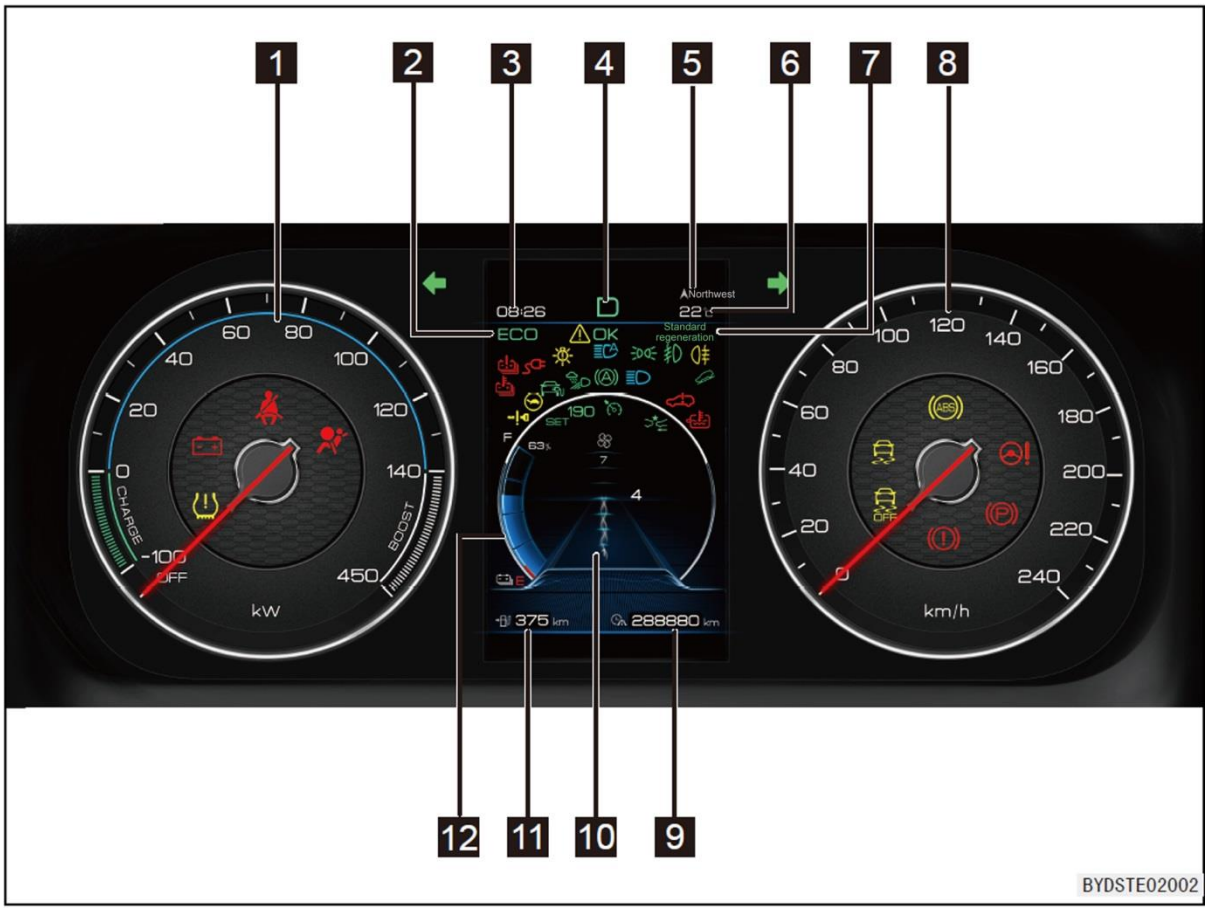
9 Driving range

10 Vehicle travelling information

11 SOC indicator

12 Odometer

LCD combination instrument (5") (if any)



1	Power meter	7	Regeneration strength
2	Working mode	8	Speedometer
3	Time	9	Odometer
4	Gear	10	Vehicle travelling information
5	Orientation	11	Driving range
6	Outside temperature	12	SOC indicator

Instrument Indicators

Indicators/Warning Lights

	Turn signal indicator		Clearance light indicator
	Main cruise control indicator	SET	Cruise control indicator (if any)
	Automatic vehicle hold indicator		Automatic emergency braking indicator (if any)
	Hill descent control activated indicator		Front fog light indicator (if any)
	All-weather light indicator		Intelligent high/low beam indicator (if any)
	Discharging indicator		High beam indicator
OK	OK indicator	120	Traffic sign indicator
	ACC on indicator		Headlight fault warning light
	Rear fog light indicator	OFF	ESP OFF warning light
ABS	ABS fault indicator		Main warning indicator
	ESP fault warning light		Tyre pressure warning light

	Intelligent key system warning light		Limited drive power indicator
	EPB indicator		Charging system warning light
	Unfastened seat belt indicator		SRS fault warning light
	Steering system fault warning light		Charging connection indicator
	Power battery fault warning light		Power battery over temperature warning light
	Motor coolant over temperature warning light		Powertrain fault warning light
	Parking system fault warning light		Snow mode indicator

Instructions to Fault/Prompt Indicator of Combination Instrument

Parking system fault warning light

If any of the following situations occurs, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider:

This warning light turns on in the following conditions:

- This warning light illuminates when the brake fluid level is low with the power in the OK mode.

WARM TIP

- Do not continue driving when the brake fluid level is low because it is very dangerous to do so.

- After the vehicle is started, if the brake fluid level is normal and the EPB system is working normally (the EPB switch can be pulled up and released normally, without the message "Check EPB system"), this warning light stays on.

- The brake system fault warning light illuminates and the ABS fault warning light illuminates at the same time. At this moment, the EPB system may be working abnormally, lengthening the braking distance. During braking, the ABS (anti-lock brake system) will not function and the vehicle will become unstable. In this case, please drive with care.
- Brief illumination of this warning light in operation is not a sign of any problems.

WARM TIP

If any of the following situations occurs, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider:

- With the drive motor running, even if the EPB is released, the warning light will not go out. The brake may work abnormally, lengthening the braking distance. Step hard on the brake pedal to achieve emergency stop of the vehicle.
- When the ABS fault warning light illuminates, the brake system warning light remains on. Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become unstable.

Unfastened seat belt indicator

This indicator reminds the driver and front passengers to fasten their seat belts. With the power in the OK mode, if the driver or front passenger's seat belt is not fastened, the corresponding seat belt warning indicator will illuminate. The indicator will stay on until the seat belt is fastened.

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.

Intelligent key system warning light

- After the START/STOP button is pressed, if no key is detected, this warning light will illuminate and stay on for a few seconds, with one sound from the speaker, and the screen will display "Key is not detected".
- If you press the START/STOP button with key detected, this warning light will not illuminate and the vehicle can be powered up and started.
- If you take the key into the vehicle within a few seconds after illumination of this warning light, the warning light will go out.
- 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 will illuminate. 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 authorised 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 during driving.
  - Brief illumination of this warning light in operation is not a sign of any problems.

WARM TIP

- If the parking system fault warning light remains on when the ABS warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.
- Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become extremely unstable.

- The ABS has a self-check function. In case of any fault, the ABS indicator on the dashboard will illuminate. This means that the ABS of the brake system has failed. However, the brake can also provide braking functions like a conventional vehicle without ABS. In this case, contact a BYD authorised service provider for inspection as soon as possible.
- If the ABS warning light and the brake system warning light illuminate at the same time and the parking brake has been released completely, it indicates that the braking force distribution system for the front and rear wheels has also failed.

- If the brake pedal does not feel right, take measures immediately. As the brake system is designed as a dual-circuit system, when one part of the system fails, the other two wheels can also be braked. You will feel that you have to depress the brake pedal deeper before the vehicle begins to decelerate and the braking distance becomes longer. In this case, shift to low gear, decelerate the vehicle and pull over it safely. As the braking distance becomes longer, it is very dangerous to drive in this condition. Have the vehicle towed and repaired as soon as possible.
- If you have to drive for a short distance in this condition, be sure to drive at a low speed with more care.

SRS fault warning light

- With the power in the OK mode, this warning light will illuminate. If this warning light goes out in about a few seconds later, it indicates that the SRS works 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 authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, this warning light does not illuminate or stays on upon power-up.
  - This warning light turns on or flashes during driving.

Tyre pressure warning light

- With the power in the OK mode, this warning light will illuminate. If the tyre pressure monitoring system works normally, this warning light will go out a few seconds later. This warning light will illuminate again if there is a fault in this system later.
- When the tyre 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 tyre pressure display interface, it indicates a fault in the tyre pressure monitoring system.
- When the tyre pressure monitoring system fault warning light flashes fast and one or more value positions on the tyre pressure display interface of the instrument display screen turns red, it indicates that corresponding tyre or tyres are leaking rapidly.
- When the tyre pressure monitoring system fault warning light stays on and one or more value positions on the tyre pressure display interface of the instrument display screen turns yellow, it indicates that corresponding tyre or tyres have insufficient air pressure.

If any of the above mentioned situations occurs, contact a BYD authorised service provider for inspection as soon as possible.

ESP fault warning light

- With the power in the OK mode, this warning light will illuminate. If the ESP system works normally, this warning light will go out a few seconds later. 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 travelling, 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 authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, this warning light does not illuminate (without 5s self-check) or stays on after being powered up.
  - This warning light stays on during driving.
  - Brief illumination of this warning light in operation is not a sign of any problems.
  - Flashing of this warning light during traveling indicates that the system is working.

WARM 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 authorised service provider.
- Braking the vehicle in such a situation can cause the vehicle to become extremely unstable and the ABS to malfunction completely.

Steering system fault warning light

WARM TIP

- The steering system uses the motor to reduce the force required for turning the steering wheel.
- When turning the steering wheel, you may hear the motor humming when it is working. This is not a sign of a failure.
- Do not maintain the steering wheel in a limit position for more than 5s; otherwise the temperature protection will be activated, thus causing heavy steering or damages.

In the following two situations, if the steering system fault warning light does not illuminate but steering feels heavy, it is not a fault.

- The steering wheel is turned frequently in place 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 power off the vehicle; the system will return to normal in 10 min.
- The start Fe battery has insufficient power.
  - The EPS requires a minimum operating voltage of 9V. When the start Fe battery has insufficient power to a serious extent that the voltage is less than 9V, the EPS will not provide steering assistance. In this case, check the start Fe battery and charge or replace it if necessary.
- When the power is set to "OFF" mode, the EPS system may stop providing steering assistance. Therefore, setting the power to "OFF" mode during driving is prohibited. If the power enters "OFF" mode during driving due to abnormal conditions, please firmly hold the steering wheel, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.

⚠WARNING

- If the steering system fault warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider. In this case, you will feel very heavy steering and therefore, you need to keep a firm hold of the steering wheel when driving.

Power battery over temperature warning light

- If this indicator illuminates, the power battery is subject to an over temperature. In this case, be sure to stop the vehicle and let the power battery to cool down.
- Over temperature may arise from:
  - 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 authorised 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 authorised service provider for inspection as soon as possible.
  - With the power in the OK mode, this warning light stays on.
  - This warning light stays on or occasionally illuminates during driving.

Motor coolant over temperature warning light

If this warning light stays on, it indicates over temperature in coolant; in this case, immediately stop the vehicle in order to cool it down. Flashing of this warning light means low coolant level; in this case, immediately add coolant.

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 authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, 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.

CAUTION

- Do not drive the vehicle with the warning light on as much as possible. Contact a BYD authorised service provider for inspection as soon as possible.

ESP OFF warning light

- With the power in the OK mode, this warning light will go out 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.

WARM 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 indicator

This indicator will illuminate when the power battery SOC is low and the motor power is limited. In this case, contact a BYD authorised service provider.

Main warning indicator

Illumination of this indicator indicates that you should pay attention to a fault prompt message on the information display area.

Headlight fault warning light

- When this warning light illuminates yellow, a single headlight becomes faulty. When this warning light illuminates red, the headlights on both sides become faulty.
- When this warning light illuminates, send the vehicle to a BYD authorised service provider for inspection.

3 Operation of Controller

3-1 Doors and Keys

Introduction to Keys

Keys include an electronic intelligent key and a slide-out intelligent key.

- Electronic intelligent key – By pressing the left/right front door microswitch while carrying the electronic intelligent key with you, you can unlock/lock all doors. By operating buttons on the intelligent key, you can also unlock/lock doors, open the trunk lid, and implement remote control start and other functions.

- Slide-out intelligent key – By pressing the left/right front door microswitch while carrying the slide-out intelligent key with you, you can unlock/lock all doors. By operating buttons on the intelligent key, you can also unlock/lock doors, open the trunk lid, and implement remote control driving function.

- Mechanical key (in the intelligent key) – It can be used to unlock/lock the front left door.

⚠CAUTION

- The intelligent key is an electronic component. Please observe the following instructions to prevent damage to the intelligent key:
  - Do not place the key in a position exposed to high temperatures, such as on the dashboard.
  - 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 intelligent key near to devices radiating electromagnetic waves, such as mobile phones.

⚠NOTE (CONTINUED)

- Do not attach any objects which shield electromagnetic wave signals to the intelligent key (such as a metal seal).
- You may register standby keys for one vehicle. For details, please contact a BYD authorised service provider.

■ If the intelligent 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 intelligent key.
- The battery of the intelligent key may be dead. Check the battery in the intelligent key. To replace the battery, please contact a BYD authorised service provider.

■ If your intelligent key is lost, contact a BYD authorised service provider as soon as possible to prevent your vehicle from being stolen or any other unexpected accident.

■ 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 defibrillators shall be kept away from the detection aerial of the PEPS system, as the electromagnetic waves may interfere with such equipment.

■ In addition to those using implanted cardiac pacemakers or cardiac defibrillators, 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.

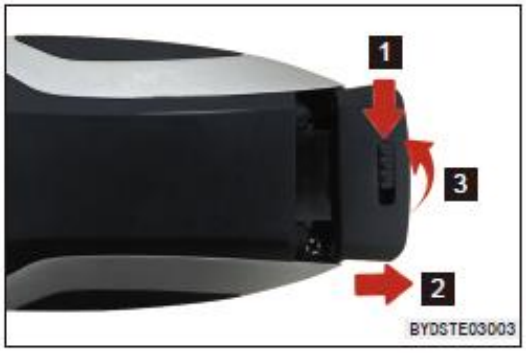
■ Be sure to always carry the key and lock the vehicle when leaving the vehicle. Do not leave personnel (especially children) alone in the vehicle.

Mechanical Key

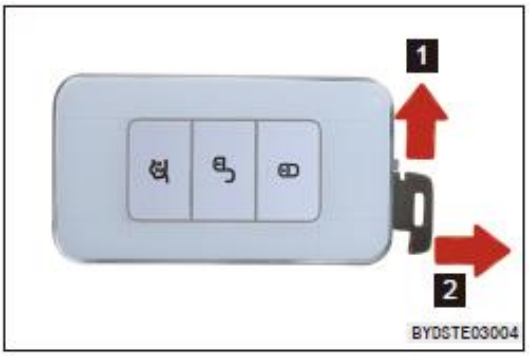
When the mechanical key is not used, be sure to insert it to the intelligent key.

Taking out the mechanical key

To use the mechanical key in the electronic intelligent key, follow the procedure as shown in the figure. Pull the lock-up button in the direction of arrow 1 to unlock, pull the component in the direction of arrow 2, pull the electronic intelligent key apart by applying force upward in the direction of arrow 3, and take out the mechanical key from the electronic intelligent key.

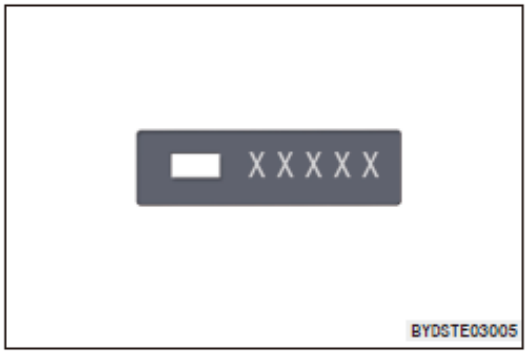


To use the mechanical key in the slide-out intelligent key, follow the procedure as shown in the figure. Pull the lock-up button in the direction of the arrow 1 to unlock, and then take out the mechanical key in the direction of arrow 2. After using the mechanical key, replace it in the direction reverse to the direction of arrow 2.



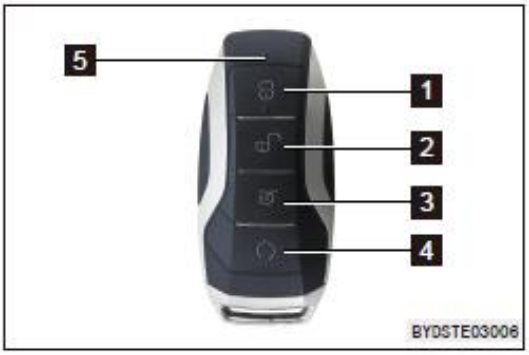
Key number plate

- The mechanical key No. is shown on the number plate. Store the number plate properly and do not place it in the vehicle.
- If your mechanical key is lost or you need a spare key, you may ask a BYD authorised service provider to reproduce the mechanical key with the mechanical key number plate. BYD recommends that you remember the mechanical key No. and store the number plate in a secure place.



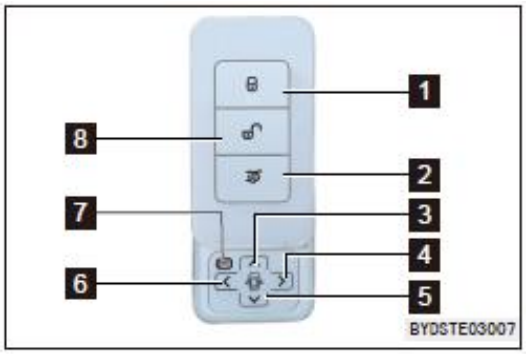
Electronic intelligent key

1. LOCK: lock the doors
2. UNLOCK: unlock the doors
3. OPEN: open the trunk lid
4. START/STOP: start/stop the vehicle
5. Indicator



Slide-out Intelligent Key

1. LOCK: lock the doors
2. OPEN: open the trunk lid
3. FORWARD: drive forward
4. RIGHT: turn right
5. REVERSE: drive backward
6. LEFT: turn left
7. START/STOP: start/stop the vehicle
8. UNLOCK: unlock the doors



Door Lock/Unlock

Locking/unlocking with mechanical key

Pull the left front door handle to the maximum opening angle, insert the key into the keyhole, turn it, then pull out the key, pull the door handle and open the door:

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

⚠CAUTION

- After pulling out the mechanical key, pull the left front door handle to open the door.

Opening door with door panel handle

- With the vehicle unlocked, pull the handle once to open the door from inside the vehicle.
- With the vehicle unlocked, pull the handle twice continuously to open the door from inside the vehicle.

⚠CAUTION

- As this vehicle is equipped with electronic child safety lock, the rear doors can be opened from inside the vehicle by pulling the interior door handle only when the electronic child safety lock is deactivated; otherwise, these doors cannot be opened from inside the vehicle.

Locking/unlocking/locating vehicle with intelligent key

- The wireless remote control function is used to unlock or lock all doors in a short range and implement the additional function.
- When carrying a registered intelligent key into the activation area, you can lock or unlock all the doors by pressing relevant button on the key slowly and firmly.

Locking:

- With the vehicle power OFF and all doors and front hood closed, press the LOCK button to lock all vehicle doors at the same time. At this moment, the exterior rearview mirrors fold (switch in AUTO mode) and the turn signals flash once. Check if all doors are securely locked.
- With the vehicle power OFF, press and hold the LOCK button on the intelligent key to close the four door windows.
- If any door or front hood is not closed, the exterior rearview mirrors will not fold, 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.
- Press and hold the UNLOCK button on the intelligent key to open the four door windows.
- If the power is not in the OFF mode, doors cannot be unlocked or locked by pressing the "UNLOCK" or "LOCK" button.
- When you unlock all the doors with the intelligent key, even if no door is opened, the interior lights (turn on the door control switch) will also illuminate and go out 15s later.
- In the anti-theft mode, after using the unlock function of the intelligent key, please open any door within 30s; otherwise, all doors will become locked automatically after this period of time elapses.

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.

Locking/unlocking with microswitch

Locking

- With the vehicle power OFF and all doors closed and not locked, press the microswitch on the front door handle to lock all vehicle doors at the same time. At the moment, the turn signals will flash once.
- With the vehicle power OFF, press and hold the microswitch on the front door handle to lock the door and close the window.

Unlocking

- In the anti-theft mode, when carrying a registered intelligent key into the activation area, press the microswitch on the front door handle to unlock all vehicle doors at the same time. At the moment, the turn signals will flash twice.
- Press and hold the microswitch on the front door handle to unlock the door and open the window.
- In the anti-theft mode, after using the unlock function, please open a door within 30s; otherwise, all doors will become locked automatically after this period of time elapses.
- 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.
  - The vehicle power is not in the OFF mode.
  - The key is left in the vehicle.

WARM TIP

- If the intelligent key is too close to an exterior door handle or window, the entry function may not be activated.
- The function of opening/closing the window by pressing and holding the microswitch can be turned on or off on the Vehicle Settings interface of the multimedia system.

Locking/unlocking trunk lid

Opening/closing trunk lid with intelligent key

Double-click the trunk lid opening button on the intelligent key to open or close the trunk lid.

WARM TIP

- While the trunk lid is opening or closing, operating the trunk lid opening button will make the trunk lid stop.

Opening/closing trunk lid from inside the vehicle (if any)

- With the trunk lid closed, pulling this button once will make the trunk lid unlock and move to the set position (to the maximum height by default).
- When the trunk lid is opening, pull up this switch again to make the trunk lid stop at the current position immediately and stably.
- With the vehicle powered up and the trunk lid open, pulling up this button for more than 1s will make the trunk lid close automatically; after releasing this button, the trunk lid will stop closing at the current position.

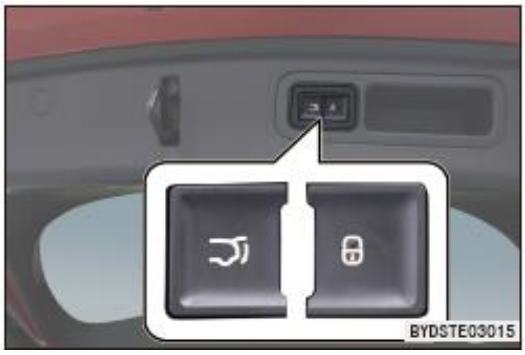
Opening trunk lid with exterior trunk lid button

- With the vehicle unlocked, press the exterior trunk lid button to open the trunk lid.
- With the vehicle locked, carry the correct intelligent key for this vehicle, unlock the vehicle and press the exterior trunk lid button to open the trunk lid.

WARM TIP

- When the trunk lid is acting, pressing the exterior trunk lid button will make the trunk lid stop.

Closing trunk lid with interior trunk lid button



- With trunk lid open and still, press the interior trunk lid button to close the trunk lid.
- When the trunk lid is closing, press the interior trunk lid button again to make the trunk lid stop at the current position.

Electrically closing trunk lid

- With the power OFF and trunk lid open, carry the correct intelligent key for this vehicle, and press the LOCK button to close the trunk lid, lock the vehicle and make the vehicle enter the anti-theft mode.

CAUTION

- Before electrically closing the trunk lid, confirm whether the doors, windows, sunroof, etc. have been closed to avoid property loss.

Opening hands-free access trunk lid by kicking action (if any)

- When you stand in the effective detection area of the trunk lid sensor with the intelligent key carried, raise your foot comfortably and smoothly like a kicking action under the rear bumper without touching the rear bumper.
  - If the trunk lid is closed, it will open;
  - If the trunk lid is fully open, it will close;
  - If the trunk lid is opening or closing, it will stop. If you make another kicking action, the trunk lid will act reversely.

WARM TIP

- Complete the entire kicking action within 1s.
- When making kicking action, make sure that the intelligent key is within 1m from the trunk lid.
- When the vehicle is being flushed or rainwater flows in a stream through or snow covers the rear bumper, the hands-free access control system will delay. After such environment is not present for some time, the hands-free access control system will return to normal.
- When the trunk lid lock is being fastened, it will not respond to another kicking action.

WARNING

- Be sure to make kicking action only within the detection range of the sensor.
- When making kicking action, make sure you stand steadily on the ground at sufficient distance from the rear of the vehicle. Otherwise, you may lose balance (e.g. standing on ice).
- Do not carry the intelligent key to avoid unexpected opening of the trunk lid in the following conditions:
  - When you are to place or pick up an object at the rear of the vehicle;
  - When you are to maintain (e.g. polish) the rear of the vehicle.

Unlocking trunk lid from inside the vehicle in an emergency

Open the tool box cover in the trunk, take off the black handle (at the side of tool box on the left when facing the trunk lid) attached to the inner surface of the trunk lid, pull the trunk lid to the left and meanwhile push the trunk lid to the outside of the vehicle with hand to open the trunk lid.

WARM TIP

- With the vehicle powered off, you may unlock the trunk lid from inside the vehicle in an emergency.

Setting trunk lid opening height

- Manually or automatically set the trunk lid at the desired opening position and keep it there; press and hold the interior trunk lid button for more than 3s. After the speaker sounds for 1s, the current trunk lid height is set successfully.
- You may also set the power trunk lid height by operating the power trunk lid height settings on the PAD.

Anti-pinch function

If the power trunk lid encounters force obstructing its movement during closing, it will open automatically in the opposite direction. If it encounters force obstructing its movement during opening, it will stop immediately.

When power-driven function of trunk lid fails

The electric operation function can be restored by manually closing the trunk lid completely.

When reconnecting start Fe battery

After the trunk lid is manually closed, the power trunk lid can operate normally.

WARNING

Observe the following precautions when operating the trunk lid; otherwise, any part of human body may be pinched, resulting in severe injury or even life threat:

- Do not intentionally activate the anti-pinch function with any part of human body.
- If someone is nearby, ensure his/her safety and inform that the trunk lid is about to opened or closed.
- When closing the trunk lid, take special care to prevent fingers or others from being pinched.
- Before opening or closing the trunk lid, thoroughly check the surrounding area to ensure it is safe.
- Close the trunk lid properly before starting the vehicle.
- Remove heavy loads such as snow and ice before opening the trunk lid. Otherwise, the trunk lid may be suddenly closed again after opening.
- When the trunk lid is in power-driven opening/closing process, do not manually operate the trunk lid.

⚠WARNING (CONTINUED)

- Be careful when opening or closing the trunk lid in a windy day, as it may move suddenly due to strong wind.
- The anti-pinch function may not work if the trunk lid is obstructed by any object when it is about to be closed fully.
- If the trunk lid is not fully opened, it may become closed suddenly. Opening or closing the trunk lid on a slope is more laborious than on a flat ground, so be careful as the trunk lid may accidentally open or close. Before using trunk, make sure the trunk lid is fully open and fixed.
- The anti-pinch function may not work depending on the shape of the object subject to pinch. Take care not to allow fingers or any other object to be pinched.

Locking/unlocking with console door lock

Unlocking and locking all vehicle doors with console door lock

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

Automatic locking and unlocking of doors

- When the vehicle speed is over 20km/h, all doors will lock automatically.
- When the START/STOP button is pressed and the power is switched from OK to OFF mode, all doors will unlock automatically.

Locking or Unlocking all the doors

- With the vehicle not in the anti-theft mode, after the vehicle is locked, the console door lock button backlight will illuminate; when the vehicle is unlocked, the backlight will go out.
- Press the console door lock button to lock all vehicle doors at the same time. In this case, the doors cannot be opened from outside the vehicle. To open a door, pull the interior door handle once to unlock the door and pull the interior door handle again to open the door.

ⓘWARM TIP

- When the vehicle suffers strong impact, all doors will unlock automatically. Automatic unlocking will depend on the impact strength and the type of accident.

Emergency mechanical locking of vehicle

When the console door lock system or the intelligent key fails, you may use the mechanical key for emergency locking or unlocking.

Lock

1. Take out the mechanical key from the intelligent key.
2. Open the other three doors than the driver's door. Pull the white slider down with the mechanical key in the direction of the arrow, as shown in the figure to close the door and lock it.
3. After the other three doors than the driver's door are locked, open the driver's door, raise and hold the door handle, and pull the door handle to the maximum opening angle.
4. Insert the mechanical key into the door lock hole and apply a certain force to turn the key anticlockwise to the maximum angle. When the mechanical key returns to the initial position, pull it out (Refer to "Locking/unlocking with mechanical key" in this chapter).
5. Release the door handle and close the driver's door.
6. Check if all doors are locked.

Unlock

1. Take out the mechanical key from the intelligent key.
2. Raise and hold the door handle, and pull the door handle to the maximum opening angle.
3. Insert the mechanical key into the door lock hole and apply a certain force to turn the key clockwise to the maximum angle. When the mechanical key returns to the initial position, pull it out.
4. Release the door handle and then pull the handle again to open the driver's door.
5. After getting into the vehicle, operate the interior door handles twice to unlock the other three doors than the driver's door.

PEPS System

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

Entry function

With an intelligent key carried with you, you can unlock or lock doors (refer to sections "Locking/unlocking with intelligent key" and "Locking/unlocking with microswitch" in this chapter).

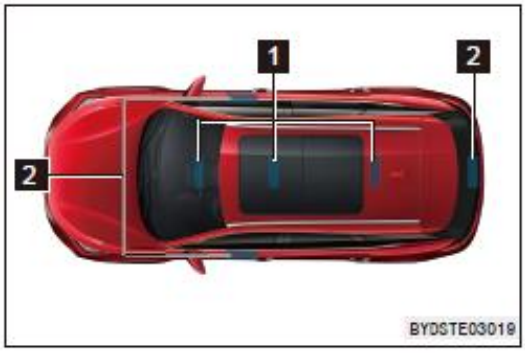
Start function

With an intelligent key carried with you, depress the brake pedal and press the START/STOP button to start the vehicle (refer to "Starting the vehicle" in Chapter 4).

Locations of detection antennas

1 Interior detection antenna

2 Exterior detection antenna



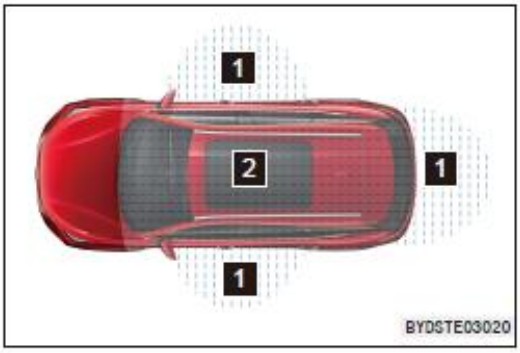
Activation area

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

1 Entry function activation area — within about 1 m from microswitches on the front door handles and the trunk lid.

2 Start function activation area — in the compartment.

When an intelligent key of another vehicle approaches this key, the time of unlocking the doors may be longer than usual. This is a normal phenomenon.



WARM 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 intelligent key is carried together with communication devices, such as interphone or mobile phone devices.
- When the intelligent key comes into contact with, or is covered by, metal objects.
- When the door handle is operated quickly.
- When the intelligent 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 intelligent key is near high-voltage or noisy equipment.
- When the intelligent key is carried together with another vehicle's intelligent key for PEPS or with any other radio transmitter.
- The intelligent key may not work normally in some positions (e.g. on the dashboard, in the glove box, and on the floor) even if it is in the activation area.

- If the PEPS does not work properly, preventing entry into the vehicle, you may unlock and lock the driver's door with the mechanical key in the intelligent key or unlock and lock all doors with the remote control function.
- When the START/STOP button is pressed and the starting function cannot work normally, it may be caused by the following reasons:
  - The electronic intelligent key does not work, the intelligent key system warning light on the combination instrument illuminates, and the message of "Low key battery" is displayed on the combination instrument, indicating that the key battery may have run out.
  - If you need to start the vehicle repeatedly in a short time, wait for 10s before each vehicle starting cycle.
- If the PEPS does not work properly due to a system fault, contact a BYD authorised service provider with all intelligent keys with you.

Saving battery power

- The key will still communicate with the vehicle, even if the vehicle is not running. For this reason, do not leave the key in the vehicle or within a range of 2m from the vehicle.
- If the intelligent key receives strong electromagnetic wave for a long time, the battery will run out rapidly. The intelligent key must keep at least 1m distance with the following equipment:
  - Televisions
  - Personal computers
  - Mobile phone chargers
  - Electroliers
  - Fluorescent desk lamps

Electronic child safety lock

The child safety lock is designed to prevent any child in the rear seat from opening the rear doors unintentionally. There is a child safety lock on the side of the left and right rear doors each.

1 Left child safety lock button

2 Right child safety lock button

With the left/right child safety lock button pressed, the left/right rear door window cannot be regulated with the left/right rear door window switch and the left/right rear door cannot be opened from inside the vehicle. To open the left/right rear door in this case, operate the exterior door handle.

⚠CAUTION

- 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 the child safety lock function correctly 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.

3-2 Seats

Instructions for Operating Seats

- Adjust the driver's seat to make the pedals, steering wheel and dashboard controller be in a controllable area of the driver.
- The most effective protective measure in a running vehicle is to keep the seat backrest upright, always keep your body leaning against the backrest properly and adjust the seat belt to a proper position.
- Do not fold any second/third row seat while the vehicle is running.
- Fix the luggage properly to prevent it from sliding or moving. Do not stack luggage to a height above the seat backrest.
- Adjust the headrest to an effective position to protect the head. If any headrest is moved for some reason, regularly adjust and place it to the original effective position in time.

⚠WARNING

- Do not sit on a folded backrest or on any 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 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.
- After adjustment of backrest, lean backward to confirm that the backrest has been locked. If it is not locked completely, personal injury may be caused during an accident or emergency braking.
- If it is not locked completely, personal injury may be caused during an accident or emergency braking. As the shoulder belt on the seat belt cannot be properly fit the body, you or your passengers may hit the shoulder belt in an accident, causing severe injury to the neck or any other part, or you or your passengers may slide out from the lap belt, causing severe injury.
- While the vehicle is running, when any seat is folded, no passenger is allowed to sit in the trunk or on any second/three row seat. Passengers who sit in these areas without proper protection may suffer severe injury during an accident or emergency braking.
- 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 drive the vehicle before all passengers are seated correctly.

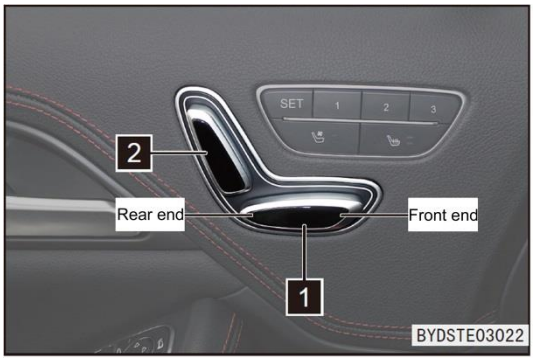
WARM TIP

- Be careful not to damage the seat belt when folding a second/three row seat.
- Do not fasten the seat belt before adjusting the seat.
- Do not make the seat hit any passenger or luggage when adjusting the seat.
- 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˚.

Adjustment of Front Seat

Electric adjustment of front seats

The position adjustment of front power seat includes forward-backward adjustment, upward-downward adjustment (if any), seat basin angle adjustment (if any) and backrest angle adjustment. The following adjustment method can be available depending on the functions of your vehicle.



1 Seat position adjustment switch

- Move the seat position adjustment switch forward/backward to adjust the seat forward/backward.
- Move the front end of the adjustment switch upward/downward to adjust the seat basin angle.
- Move the rear end of the adjustment switch upward/downward to adjust the height of the seat.

2 Seat backrest angle adjustment switch

Swing the backrest angle adjustment switch forward/backward to adjust the seat backrest angle.

WARM TIP

- Release the button to locate the seat. Do not put any object under the seat. Otherwise, the seat being adjusted may be hindered from moving.

Lumbar support adjustment (if any)

The contour of the backrest can be changed and the support can be adjusted based on the radian of the lumbar spine. To allow you and your passengers to sit in the seats in a proper and relaxed manner, the seats should support your and their lumbar spines.

- Press the front or rear portion of the switch to increase or decrease the radian.
- Press the upper or lower portion of the switch to extend the arc upward or downward.

Leg support adjustment (if any)

Pull the lever of the telescopic leg support under the seat to move the leg support in the longitudinal direction to a desired position, and then release it.

Memory system (if any)

Position of memory switch

The memory system set button is located on the left front door shield, together with three memory option buttons: 1, 2 and 3.

Memory setting function

- Memory setting conditions
  - The vehicle power is in the OK mode and the vehicle speed is zero.
  - The seat, exterior rearview mirrors and the steering wheel have been adjusted to required positions.
  - The seat, exterior rearview mirrors and the steering wheel are all free of actions.
- Memory setting methods
  - Press 设定 on the seat memory switch and release it, and then press 1, 2 or 3 within 3s. After that, the positions of the seat, exterior rearview mirrors and the steering wheel will be memorized and the speaker of combination instrument will sound at the same time. This indicates the completion of memory setting.
  - Press and hold 设定 on the seat memory switch, and meanwhile press 1, 2 or 3. After that, the speaker of combination instrument will sound. This indicates the completion of memory setting.

WARM TIP

- If the position buttons on the memory switch have been set, the set positions will be overridden.

Memory recalling function

Normal memory recalling

- With the gearshift lever in P position, if the following conditions are met, when the memory system switch is pressed, the driver's seat memory system will execute memory recalling.
  - The vehicle does not enter the anti-theft mode;
  - The vehicle speed is zero;
  - The memory switch signal is valid.

Automatic functions

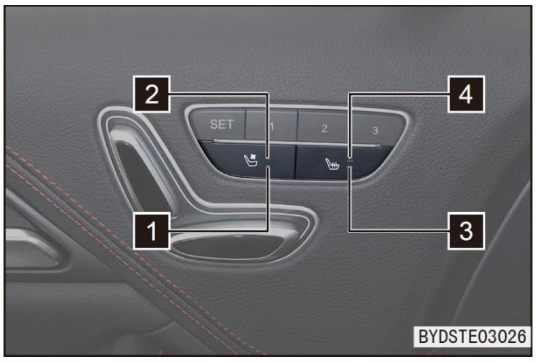
- Normal functions
  - Automatic reversing function: when the power is switched from "START" to "OFF" mode, when the driver opens the left front door, the seat will automatically reverse for a distance if the seat position is in the front section of total travel to facilitate the driver to get off the vehicle.

- Automatic forwarding function: when the power is switched from "OFF" to "START" mode, the seat will automatically go forward to the previous power-off position when the driver closes the door after power-up if automatic reversing function was executed in the previous power-off process and no electric adjustment has been made to the horizontal direction of the seat after power-off and door opening.

- User's setting
  - Automatic forwarding and reversing functions may be cancelled or recovered by the user through options on the Vehicle Settings menu on the PAD.

Heating and ventilation system (if any)

- The heating and ventilation system switches are on the front left and right door shields.
- The heating and ventilation indicators are shown in the figure on the right:



1 Seat ventilation indicator 1

2 Seat ventilation indicator 2

3 Seat heating indicator 1

4 Seat heating indicator 2

- The heating and ventilation system can also be controlled by operating the seat heating and ventilation setting button by pressing the "Quick" button on the drop-down bar of multimedia home page.

Adjustment of heating system

- Seat heating: Operate the seat heating switch to control the heating cushion working modes: high and low temperature modes.
  - After the vehicle is powered up, the heating indicator is initially off;
  - Press the switch for the first time to make the seat heater work in the high temperature mode and two heating indicators will illuminate at the same time;
  - After the switch returns to position, press it for the second time to make the seat heating cushion work in the low temperature mode, and heating indicator 1 will illuminate while heating indicator 2 will go out;
  - After the switch returns to position, press it for the third time to deactivate the heating function and both heating indicators 1 and 2 will go out.

Adjustment of ventilation system

- Seat ventilation: Operate the seat ventilation switch to control the ventilator working modes: high and low speed ventilation modes.
  - After the vehicle is powered up, the ventilation indicator is initially off;
  - Press the switch for the first time to make the seat ventilator work in the high speed mode and two corresponding ventilation indicators illuminate;
  - After the switch returns to position, press it for the second time to make the seat ventilator work in the low speed mode, and corresponding ventilation indicator 1 will illuminate while ventilation indicator 2 will go out;
  - After the switch returns to position, press it for the third time to deactivate the ventilation function and both ventilation indicators 1 and 2 will go out.

Ventilation and heating functions not be turned on at the same time

- Press the ventilation switch to make the ventilator work; if the heating switch is then pressed, the ventilator will stop and the heater will start to work.
- Press the heating switch to make the heater work; if the ventilation switch is then pressed, the heater will stop and the ventilator will start to work.

Adjustment of Middle Seat

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.

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.

Getting on/off the vehicle for a passenger on third row seat (if any)

- Get on/off the vehicle from behind the middle right seat.
- Pull up the move-forward lever (if any) to fold the seat forward by a certain angle, and move the backrest forward to move the middle right seat as a whole forward by a certain distance to allow passengers in the third row to get on/off the vehicle.

Folding of Rear Seat (If Any)

- Folding and laying down backrest
  - Pull the cable in the direction perpendicular to the backrest.
  - Push the backrest forward or backward to fold it. Fold the backrest forward until it comes into contact with the cushion or fold it backward to its locking position (lockup sound would be produced).

⚠CAUTION

- For folding seats, pay attention to the following points:
  - Dot not lay down the backrest when the vehicle is running;
  - Dot not unfold the seat when the vehicle is running;
  - Remind passengers entering the third row area to take care to prevent foot hitting;
  - Make sure that the second row seats are locked up before driving the vehicle.
- Do not operate the backrest adjustment lever and backrest folding unlock cable at the same time. In case of mis-operation, put the backrest upright and reset the cable to restore the function.

Headrest

Front seat headrest adjustment

Front seat four-way headrest adjustment (if any)

The front seat headrest lever is designed as a curved bar to allow four-way adjustment: up, down, forward and backward.

1. 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.

2. Lowering headrest

Press the adjustment button on the left of the headrest, lower the headrest to a proper position. After that, lift the headrest in a small range, and release the headrest until a lock-up sound is heard.

3. Adjusting headrest forward

Push the headrest forward to a proper position and release the headrest until a lockup sound is heard.

4. Adjusting headrest backward

Press the adjustment button on the left of the headrest, push the headrest backward to a proper position and release the headrest until a lockup sound is heard.

Front seat four-way headrest removal

1. Lifting headrest

Arrange 1 person to press the adjustment button on the left of the headrest and pull up the headrest to the highest position.

2. Unlocking headrest lever on one side

The 1st person presses and holds the adjustment button on the left of the headrest, the 2nd person uses a thin needle with a diameter slightly less than 2mm to press against the small round hole feature of the plastic trim cover under the headrest, and then the 1st person pulls up the headrest lever on the same side until the headrest lever slot is exposed to unlock the headrest lever on one side.

3. Unlocking headrest lever on the other side

Repeat step 2 to unlock the headrest lever on the other side.

4. Removing headrest

Pull up the headrest until the headrest is separated from the seat. The removal of the headrest ends.

Front seat two-way headrest adjustment (if any)

1. 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.

2. Lowering headrest

Press the headrest height adjustment button, lower the headrest to a proper position, and release the button. After that, lift the headrest in a small range, and release the headrest until a lock-up sound is heard.

Middle/Rear seat headrest adjustment (if any)

1. Lifting headrest

Lift the headrest to a proper position and then release it.

2. Lowering headrest

Press the headrest height adjustment button, lower the headrest to a proper position, and then release the button.

3. Taking off headrest

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

4. Installing headrest

Insert the headrest connecting rod into the seat cover and keep the groove facing forward. Press the headrest height adjustment button, press the headrest downward to a proper position, and then release the button.

WARM 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. The headrest should be adjusted to a proper position according to the actual height of the passenger.
- Adjust the headrest height to make the center of the headrest flush with the upper level of your ear.
- After the headrest adjustment is completed, make sure that it is locked in the new position.
- Do not drive the vehicle if no headrest is provided.
- Do not attach any object to the headrest stalk.

3-3 Steering Wheel

Steering Wheel Adjustment

Manual Adjustment of Steering Wheel (If Any)

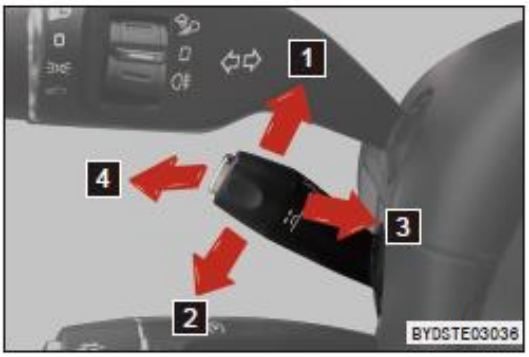
If the angle of steering wheel needs to be adjusted, hold the steering wheel and operate as follows:

- Press the steering wheel adjustment handle downward, tilt the steering wheel to the desired angle, and then restore the handle to its lock position.

Electric Adjustment of Steering Wheel (If Any)

The steering wheel can be adjusted only when the vehicle power is in the OK mode.

1. Adjust the "column adjustment" lever forward to tilt the column upward
2. Adjust the "column adjustment" lever backward to tilt the column downward
3. Adjust the "column adjustment" lever upward to extend the column
4. Adjust the "column adjustment" lever downward to retract the column



⚠WARNING

- 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.

Automatic returning function of steering wheel (if any)

- Tilting-up and retraction: With the vehicle powered off, open the left front door to allow the steering wheel to tilt up and retract automatically.
- Memory function of steering wheel (if any): this function enables the driver to save or call out the steering wheel position comfortable to drive.
- Tilting-down and extension: if automatic tilting-up and retraction actions occurred in the previous power-off process, the steering wheel will automatically return to the position before previous power-off when the power is switched from OFF to other modes and the left front door is closed.
- User setting: the user may enable or disable the automatic returning function of steering wheel in the vehicle settings under the multimedia menu.

Steering mode setting

- The power steering feeling varies from person to person. Different users have different evaluations and needs for power steering feeling.
- You can enter the setting interface through [Settings] - [Driving] - [Driving Assist] on the multimedia touch screen and select a desired steering mode setting option.

WARM TIP

- It is suggested that the power steering mode should be set as sport mode if you feel that the steering wheel is light when the vehicle runs at a high speed.

3-4 Switches

Light Switch

Turn the knob at the end of the light switch to "" to turn off all lights except the daytime running light.

Automatic lighting

Turn the light adjustment switch to "" to turn on the low beams and clearance lights, which will illuminate or go out automatically depending on the illumination intensity sensed by the illumination intensity sensor.

WARM TIP

- The illumination intensity sensor is located at the top of dashboard. Do not cover the sensor or splatter any liquid on it.

Clearance light

Turn the knob at the end of the light switch to "" to turn on the clearance lights, including front and rear clearance lights, rear license plate light, backlight of instrument, clearance light indicator and some backlights.

Low beam

Turn the knob at the end of the light switch to "" to turn on the low beams and clearance lights.

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.

All-weather light

Turn the knob at the end of the light switch to "" and turn the fog light knob to "" to turn on the all-weather light s.

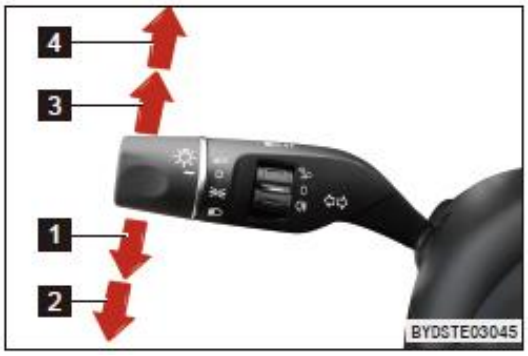
High beam

Turn the knob at the end of the light switch to "", push forward the light switch from its original position (to the opposite side of steering wheel) to turn on the high beams; pull the light switch back to its original position to turn off the high beams.

Overtaking signal

By pulling back the light control lever from its original position (to the side close to the steering wheel) to issue overtaking signal. By releasing the switch, it will automatically return to its original position and turn off overtaking signal.

Left and right turn signals



- Lift the light adjustment lever gently to the 1/3 mode; the left/right turn signal and its indicator on the instrument starts flashing for three times at the same time, and then the light adjustment lever will automatically return to its original position.
- Lift the light adjustment lever hard to the 2/4 mode; the left/right turn signal and its indicator on the instrument starts flashing at the same time. After the steering wheel is centered, the light adjustment lever will return to its original position.

Wiper Switch

- The wiper switch is used to control the wipers and washers for the front and rear windscreens. The wiper for front windscreen can be switched in the following five modes:
  - △MIST: point wiping
  - ▯: OFF: stop wiping
  - : AUTO: automatic wiping
  - ▼: LO: low-speed wiping
  - ▼▼: HI: high-speed wiping

Automatic wiping function

- The rain sensor on the inner side of front windscreen in front of the interior rearview mirror automatically controls the wiper operation mode based on the amount of rain.
- To use the automatic wiping function, be sure to set the wiper to " " and the power to "OK".

- Automatic wiping has 4 sensitivity levels. A higher level indicates a higher sensitivity. When using the automatic wiping function, you can operate the toggle to change the sensitivity based on the rain condition. If the wiper reacts too quickly, lower its sensitivity. If the wiper reacts too slowly, increase its sensitivity.

WARM TIP

- With the wiper lever in , the wiper will wipe once every time the sensitivity is increased by one level. The wiper will wipe once when the wiper is switched from OFF to .

WARNING

- With the power in the OK mode and the wiper switch in mode, if you touch or use cloth to wipe glass on the sensor, the wiper will operate and may result in accident.
- Turn off the automatic wiping function before car washing or during dry season or rainless day; otherwise, the wiper may operate unexpectedly.

CAUTION

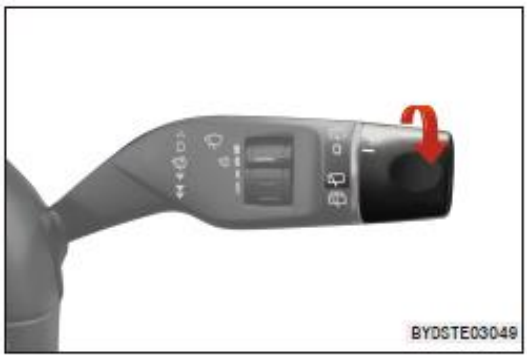
- When the wiper stops in the wiping process due to snow or other debris, turn off the wiper, park the vehicle in a safe place, and remove snow or other debris to enable the wiper to work normally.
- Due to different shapes of snowflakes, the sensor sometimes cannot sense snowflakes even if snowflakes come in contact with the rain sensor, preventing the wiper from working properly. After the snow melts, it may cause the wiper to wipe automatically.

Washer for front windscreen

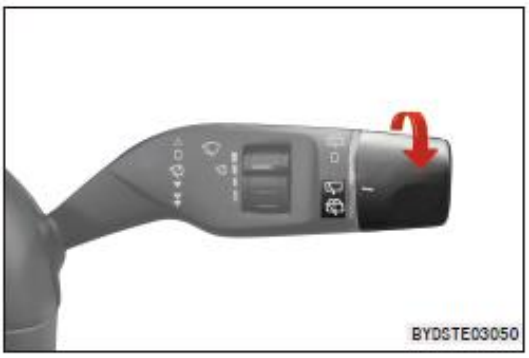
Pull up (to the side close to the steering wheel) the wiper switch. If the action time is short (within 0.5s), only water spraying will be activated, without wiping. If the action time is long, both constant water spraying and low-speed wiping will be activated, and after the switch is released, the wiper will automatically wipe for three times and return to its original position.

Wiper and washer for rear windscreen

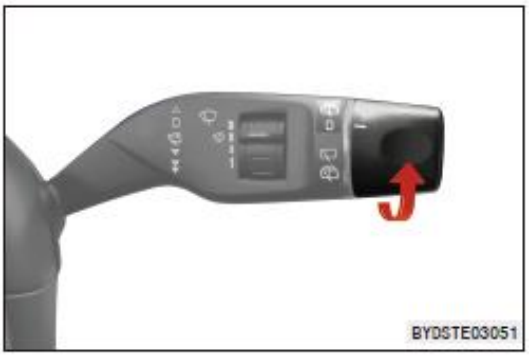
Turn the knob at the end of the wiper switch to "" to activate the wiper for rear windscreen. Turn the knob to the OFF mode to stop the wiper.



By turning the knob 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. The wiper will work 2 more times after spraying of washing fluid.



WARM TIP

- Check wiper blades and clear the dirt on them at regular intervals.
- 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

The switch on each door can be used to operate corresponding window.

The power must be in the OK mode.

Power window switch

- 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.
- In the process of window regulation, if you stop operating the switch, corresponding window will stop there.
- Automatic operation of the driver side window – press the driver side switch fully and then release it; the driver side window will be fully opened. Pull up the driver side switch fully and then release it, the driver side window will be fully closed. Performing any operation of the switch can stop the moving window.

Anti-pinch function

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.

Initialization of anti-pinch function

- If the constant power supply of the start Fe battery is cut off when the window is being opened/closed, both the automatic closing function and the anti-pinch function of the window will not work.

- Initially pull up and hold the window regulator switch to raise the window to the top position and keep the window stall at the top position for 400 ms or longer. When the window rises to the highest point, release the switch.

⚠CAUTION

- Initializing the anti-pinch function too frequently will result in overheat protection of the regulator motor.
- Do not activate 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.
- It is recommended that a BYD authorised service provider should be contacted for maintenance if the automatic closing function and the anti-pinch function of the window do not work.

⚠WARNING

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

- Check carefully when operating the window to ensure that it would not pinch any bodily part of the driver or occupant.
- Do not allow children to operate any power window.

Console door lock

Both the driver's door and the front passenger's door are equipped with electric door lock switches, which can lock or unlock all doors of the vehicle.

1 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.

2 Unlock

By pressing the unlock button on the console door lock, all the four doors will be unlocked at the same time.

Exterior rearview mirror adjustment button

Exterior rearview mirror selection button

Left exterior rearview mirror selection button

Right exterior rearview mirror selection button

Exterior rearview mirror adjustment button

Press this button to adjust an exterior rearview mirror to a proper position.

Exterior rearview mirror folding button

Press this button to fold the exterior rearview mirrors.

Switch set #6

Switch set #6 includes the discharge button and trunk lid opening button.

Discharge button

- When the vehicle is powered OFF, press this button to enter the discharge mode setting interface. At the moment, prompt information is displayed on the combination instrument.
- In the discharging process, pressing this button again will end discharging. To resume discharge, press this button again.

Trunk lid opening / closing button (if any)

- With the trunk lid closed, pulling this button once will make the trunk lid unlock and move to the set position (to the maximum height by default).

- With the vehicle powered up and the trunk lid open, pulling up this button for more than 1s will make the trunk lid close automatically; after releasing this button, the trunk lid will stop closing at the current position.

Parking switch set

The parking switch set includes EPB switch and AVH switch.

EPB switch

Pull up the and then the indicator on the instrument will flash first before staying on. If this indicator stays on, it indicates that the EPB has been pulled up (for details, refer to "EPB" in Chapter 4).

AVH switch

Press the switch to activate the automatic vehicle hold function (for details, refer to "Automatic Vehicle Hold" in Chapter 4).

Driving assist switch set

Driving assist switch set includes the hill descent control (HDC) button, ESP OFF button, preset charge button, reversing sensor power button, and lane departure warning system button (if any).

HDC button

- Press the button to activate the HDC system, and meanwhile the indicator on the combination instrument will illuminate.

- Press the button again to deactivate the HDC system, and meanwhile the indicator on the combination instrument will go out (for details, refer to "Driving Safety Systems" in Chapter 4).

ESP OFF button

- Press the button, and the ESP system will stop working and the corresponding indicator on the combination instrument will illuminate. If the vehicle speed is over 80 km/h, the ESP system will return to normal. In this case, the corresponding indicator on the combination instrument will go out.
- Press the button again, and the ESP system will work normally and the corresponding indicator on the combination instrument will go out.

Preset charge button

After setting the preset charging time in the multimedia, connect the charging plug and press the switch to turn on the preset charging function.

Reversing sensor power button

With the power in the OK mode, press the button to enable the reversing sensor function, and the indicator on the button will illuminate. If there is any obstacle in the surroundings of the vehicle, a warning sound will be emitted from the vehicle, the multimedia system will show the all-around view monitor image, reserving image and right front image, and flashing prompt pictures will appear.

Lane departure warning system button (if any)

Press the button to enable the lane departure warning function, and the indicator on the button will illuminate.

Mode Switch Set

- Rotate the knob to select ECO mode, SPORT mode, or snow mode.
- Turn the knob to "ECO mode" to enable the vehicle to operate in the ECO mode; turn the knob to "SPORT mode" to enable the vehicle to operate in the SPORT mode.

- Snow mode
  - This special mode is for the very hard road surface covered by a layer of soft or wet objects (such as grass, snow, ice or gravel).
  - In this mode, the towing, driving and control performance under wet and slippery conditions will be optimized, and the accelerator pedal should be selected prudently.

⚠CAUTION

- Turning off the ESP system may be workable if the motor performance is reduced due to the activation of dynamic stability control function under loose and soft snow conditions. The ESP system must be restarted after the difficulty has been overcome.

Light Adjustment Switch Set

The light adjustment switch set consists of the headlight adjustment switch and the brightness adjustment switch.

Brightness adjustment switch

- When the clearance lights are turned off, pull this switch to adjust the brightness of the combination instrument.
- When the clearance lights are turned on, pull this switch to adjust the brightness of the combination instrument and vehicle backlights synchronously.

Headlight 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.

Hazard warning light button

By pressing the button ⚠, all turn signals will start to flash and the turn signal indicator on the instrument will flash synchronously. By pressing the ⚠ button again, the turn signals and the turn signal indicator will stop flashing.

Steering Wheel Switch Set

With the power in the OK mode, the audio control switch can be operated.

Volume control:

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

"Up" button:

- Radio mode:
  - Press this button once to select the pre-saved radio station upward;
  - Press and hold this button to automatically search the previous channel with strong signal (decrease the frequency).
- USB mode:
  - Press this button to play the previous song (song number -1).
- In Bluetooth call recents and telephone directory interfaces:
  - Press this button once to select upward.

"Down" button:

- Radio mode:
  - Press this button once to select the pre-saved radio station downward;
  - Press and hold this button to automatically search the next channel with strong signal (Increase the frequency).
- USB mode:
  - Press this button to play the next song (song number +1).
- In Bluetooth call recents and telephone directory interfaces:
  - Press this button once to select downward.

Mode:

- In selection mode, press this button to switch in the circulation of broadcast FM → music (local) → music (USB, if a USB flash drive is connected to the USB port) → Bluetooth music (if connected) → video (local) → video (USB, if a USB flash drive is connected to the USB port) → third-party APP (app opened in the background with sound) → broadcast FM.

- If the audio system is turned off, press this button once to turn on the audio system and make it enter the memory play mode saved at the time of last turning off. If there are no sources of play (such as no connection with external audio equipment) in the memory play mode, the audio system will directly switch to the FM mode. Press this button again, and the audio system will switch in the above-mentioned order.
- Press and hold this button to turn off the audio system.

Speech recognition:

Press the automatic speech recognition button to switch the multimedia screen to the speech recognition page and implement the intelligent speech function.

Hang up/Return:

- Multimedia:
  - Press this button once to end the call in the call connection status.
  - On any Bluetooth related interface, press the "Hang up" button on the steering wheel to make the system exit the Bluetooth interface and enter the previous non-Bluetooth interface. If the previous interface (USB) has changed, the system will enter the FM interface directly.
- Instrument:
  - On the instrument selection interface, press this button to return to the previous menu.

Accepting call:

- Press this button to dial/accept a call (the audio system becomes mute when the button is pressed).
- When the system displays an interface not related to Bluetooth, if Bluetooth is not connected, press this button once 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.
- After entering a phone number in the dial interface or select an entry in the call recents or phone directory interface, press this button to achieve the dial function.
- When the Bluetooth is connected and no phone number is entered in the dial interface, press this button to enter the outgoing call interface under the call recents, press this button again to enable the system to automatically make a call of the first entry on the outgoing call interface.

Vehicle travelling information page switching:

- On the menu interface, press the scroll wheel once to select corresponding submenu options in the menu.
- In the vehicle travelling information interface, press and hold this button for at least 2s to clear some vehicle travelling information;

- In the vehicle travelling information interface, press this button once to switch to the safe driving prompt interface or the menu interface.
- In the fault/prompt message interface, press this button once to switch to the vehicle travelling information display interface.

 **Up/Down:**

- On the menu interface, pull the scroll wheel upward or downward to switch to and select menu options upward or increase/decrease the value.
- On the vehicle travelling information interface, operate this button to switch among all the vehicle travelling information upward/downward.
- In the fault/prompt message interface, press this button to switch to the vehicle travelling information display interface.

 **All-around view monitor system (if any):**

In all-around view mode, press this button to turn off the all-around view monitor. In a mode other than all-around view mode, press this button to turn on the all-around view monitor.

 **Front right view monitor (if any):**

- When the vehicle is in reverse, the reversing image interface will be displayed directly. Press this button to switch to the right front image interface and press it again to switch to the reversing image interface. Pressing this button repeatedly will repeat the process but the interface cannot be turned off.
- When the vehicle is not in reverse, press this button to switch to the right front image interface and press it again to turn off the right front image. Pressing this button repeatedly will repeat the process but not switch to the reversing image interface.

 **Customize:**

- With the Customize button not customized, press or press and hold it to enter the Customize interface. Customizable functions include multimedia screen rotation, taking photos with the vehicle travelling data recorder (if any), and others.
- 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.
- The customized function of the Customize button is electric rotation of PAD by default.

Sunroof Switch

Opening sunroof

When the sunroof is in any position (except in the fully-open position)

- Push the button towards the rear of the vehicle to open the sunroof horizontally;
  - The first mode is manual mode; in this mode, releasing this button will stop the moving sunroof;
  - The second mode is automatic mode; in this mode, the sunroof will automatically open to the fully-open position; pressing the button again will stop the moving sunroof.

When the sunroof is in any position (except in the tilting-up/dipping position)

- Push the button upward to tilt open the sunroof:
  - The first mode is manual mode; in this mode, releasing this button will stop the moving sunroof;
  - The second mode is automatic mode; in this mode, the sunroof will automatically open to the fully-dipping position; pressing the button again will stop the moving sunroof.

Closing sunroof

When the sunroof is in any position (except in the fully-open position)

- Pull the button downward to close the sunroof:
  - The first mode is manual mode; in this mode, releasing this button will stop the moving sunroof;
  - The second mode is automatic mode; in this mode, the sunroof will automatically open to the fully-dipping position; pressing the button again will stop the moving sunroof.

Anti-pinch function of sunroof

The anti-pinch function will stop and return the sunroof for a certain distance once an obstruction is sensed and its strength is greater than the preset value when sunroof is being horizontally closed or dipped by pulling the button downward.

⚠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.

⚠CAUTION

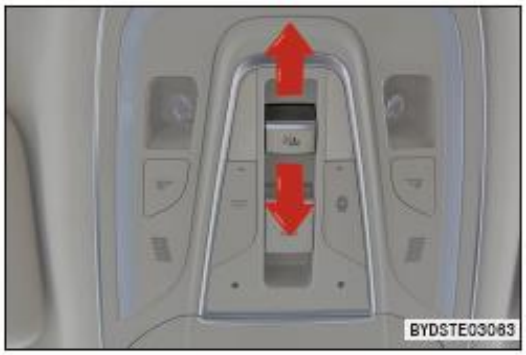
- Water may enter the vehicle if the sunroof is operated after rainfall, snowfall or vehicle washing. Wipe the sunroof with a piece of dry cloth before operating it.

ⓘWARM TIP

- The sunshade will open or stop automatically as the sunroof opens or stops.

Opening/closing of sunshade

- Push the button towards the rear of the vehicle to open the sunshade:
  - The first mode is manual mode; in this mode, releasing this button will stop the moving sunshade;
  - The second mode is automatic mode; in this mode, the sunshade will automatically open; pressing this button again will stop the moving sunshade.



- Push the  button towards the front of the vehicle to close the sunshade:
  - The first mode is manual mode; in this mode, releasing this button will stop the moving sunshade;
  - The second mode is automatic mode; in this mode, the sunshade will automatically close; pressing this button again will stop the moving sunshade.

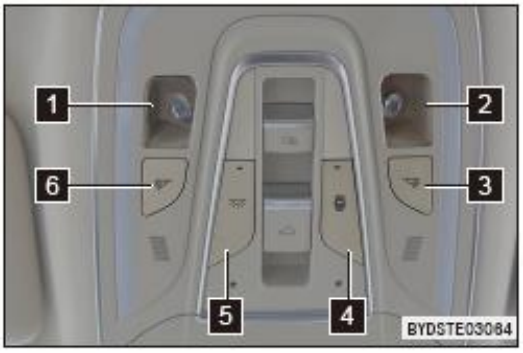
Anti-pinch function of sunshade

The anti-pinch function will stop and return the sunshade for a certain distance once an obstruction is sensed and its strength is greater than the preset value when the sunshade is being closed by pushing the button towards the front of the vehicle.

Interior Light Switch

Switch for front interior light

1. Left reading light
2. Right reading light
3. Right reading light button
4. "DOOR" control button
5. Master switch for interior lights
6. Left reading light button



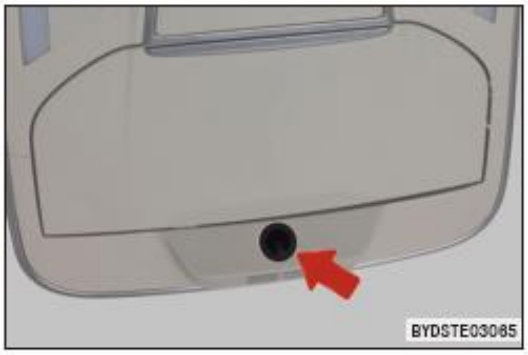
- In any power mode, press the left/right reading light button to turn on the left/right reading light. Press the button again to turn off the left/right reading light.
- In any power mode, press the master switch for interior lights to turn on the front interior lights, side interior lights and courtesy light; press it again to turn off the interior lights.
- With the "DOOR" control switch pressed, when any door is opened, the front interior lights, side interior lights and courtesy light will illuminate; when all the doors are closed, the interior lights will go out.

Ambient light

Turn the light adjustment switch to to turn on the ambient light and interior light button backlights, with the brightness level being not 0. The color of the ambient light will change depending on the color and brightness of the atmosphere light (if any) (if there are multiple colors).

Camera

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



Rear interior light switches (if any)

- Press the button to turn on the right side lights;
- Press the button to turn on the left side lights.

Switch for rear interior lights on the left/right side

- When the power is in any mode, pressing this button will turn on the left/right rear interior lights continuously.
- Pressing this button again will turn off the left/right rear interior lights.

4 Application and Driving

4-1 Charging/Discharging Instructions

Charging Instructions

Safety warnings for charging

- It is forbidden for minors to perform charging operation or touch or use the charging equipment. As the charging plug is a high-voltage electrical device, do not allow minors to approach during charging.
- Charging may affect medical or implantable electronic devices. Consult the electronic device manufacturer before charging.
- Please charge the vehicle in a relatively safe environment (no liquids, open flames or heat sources).
  - If charging has to be carried out during rainfall, protect the charging unit to prevent water from entering the unit.
- Equipment inspection and operation before charging:
  - Make sure that the power supply equipment, charging plug, charging port and charging connection devices are free of abnormal conditions such as cable wear, rusted port, cracked housing, or foreign objects in the port;
  - Do not charge the vehicle when any metal terminal of the power supply plug / power supply socket or charging plug / charging port is damaged or loose due to rusting or corrosion;
  - When the charging plug / charging port and power supply plug / power supply socket have obvious stain or damp, wipe them with a dry and clean cloth to ensure that the connection is dry and clean.
- Use electric vehicle specific charging equipment that meets relevant national standards:
  - Do not modify, remove or repair the charging equipment or relevant ports to avoid resulting in a fault to charge or in fire disaster;
  - Do not use nonconforming products.
- Do not operate with wet hand; otherwise, electric shock and personal injury may be caused.
- Immediately stop charging and contact a BYD authorised service provider if abnormal condition is found in the vehicle or charging equipment during charging.
- To prevent damage to the vehicle during charging, observe the following precautions:
  - Do not shake the charging plug; otherwise, it may cause damage to the charging port of the vehicle;
  - Do not charge the vehicle in thunderstorm weather, because lightning stroke may cause damage to the vehicle.
- Do not open the front compartment for maintenance during charging.

- 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.

Precautions for charging

- When the SOC indicator bar on the combination instrument turns red, it indicates that the power battery is about to run out. In this case, charge it in time; otherwise, it will affect the service life of the power battery.
- AC charging with household portable equipment refers to charging with A/C charging connection device provided for the vehicle ("3-pin to 7-pin" for short). It is recommended to use 220V 50Hz 10A dedicated AC line and power socket to avoid line damage and protective trip due to high-power charging, affecting the normal use of other equipment.
- In order to avoid damage to the charging equipment (precautions for charging equipment):
  - Do not impact the charging equipment and take care to prevent mechanical damage such as dropping and impact by external force;
  - Do not place the charging equipment near a heater or other heat sources.
- Charging plug connection operation before charging:
  - Make sure that the charging plug and charging port are free of foreign objects, and the electric shock protection cap on the terminal of the charging plug are not loose or deformed;
  - Hold the charging plug in hand, align the charging plug with and push it into the charging port, and make that the charging plug is inserted in place.
- Charging plug disconnection operation after charging:
  - Stop charging and make sure the charging port is unlocked;
  - Hold the charging plug in hard, press the button on the charging plug, and pull out the charging plug;
  - Do not pull out the charging plug forcibly when the charging port is locked; otherwise, the charging port will be damaged.
- To ensure safety, it is recommended to power off the vehicle before charging. AC charging can be performed in any power mode. DC charging should be performed in the OFF mode.
- Precautions for charging:
  - During charging, the A/C can be used normally. To ensure sufficient charging power, it is not recommended to turn on the A/C.
  - Persons are not recommended to remain inside the vehicle while charging takes place.
  - When charging, the vehicle shall be parked in a ventilated area.

- After the power battery is fully charged, the charging system will automatically stop charging.
- To stop charging, turn off the AC charging pile or DC charger and then disconnect the charging connection device. For AC charging with household portable equipment, disconnect the charging plug at the vehicle end and then disconnect the power supply plug at the power supply end.
- After charging ends and the charging plug is removed, make sure that the charging port protection cover and charging port cap are closed, because water or foreign objects may enter the charging port and affect the normal use.
- Before starting the vehicle, make sure the charging equipment has been disconnected, because when the charging equipment locking mechanism is not fully locked up, the vehicle can also be powered up (OK) and driven in gear, and this may result in damage to the charging equipment as well as the vehicle.
- If the vehicle is not to be used for an extended period of time, it is recommended that it be charged and driven once every 3 months to prolong the service life of the power battery.
- The vehicle cannot be charged normally when the battery temperature is too high or too low.
  - In northern regions where the temperature is low, it is recommended to charge the vehicle in heated space indoors.
- When heating or cooling is turned on during charging, it is normal that there is a certain delay in the charging time and the charging power will increase slightly.
- During charging, battery cooling may start, and it is normal that the compressor, fan and other components may operate as needed and there will be some sound in the front compartment.
- During charging, after the battery cooling or heating starts, it is normal that the charging power displayed on the instrument may drop and fluctuate for a short time.
- Before charging is completed, to improve the battery service life, the battery equalization function will be activated, and this may result in delay in charging time.
- 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.
- If the charging port cap is frozen due to cold weather or others, it is recommended to melt the ice with hot water before opening the charging port cap. Do not forcibly open the charging port cap.

WARM TIP

- Do not forcibly open the charging port cap when it is not unlocked.
- Do not forcibly insert the charging plug when the electric lock is locked.
- Do not close the charging port cap when the charging port protection cover is fully open.
- After the vehicle is externally connected for charging, the cooling fan and A/C compressor may automatically turn on for battery cooling, which is normal!

Charging mode

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

The vehicle can be charged by three methods:

1. AC charging with household portable equipment
2. Single-phase/Three-phase AC charging through charging pile (if any)
3. DC charging with charger

- The charging time of power battery varies with the charging method, current SOC, real-time temperature, service time, ambient temperature and other conditions.
- Charging equipment in line with national standards should be selected.

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)

Diagnosis of general charging faults

Fault Status	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 temperature of power battery is too high or too low	Place the vehicle in an environment with suitable temperature; start charging after the temperature becomes normal.
	The start Fe battery is over-discharged	Replace the start Fe battery
	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	Stop charging and contact a BYD authorised service provider after confirming that there is any prompt message of charging system fault on the combination instrument.
Charging stops in the charging process	The power grid fails	When the power grid resumes power supply, the charging equipment will restart charging.
	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 or too low	The EV function limitation is displayed on the combination instrument and the charging equipment will stop charging automatically. Recharge after the battery cools down.
	The vehicle or charging pile is faulted	Contact a BYD authorised service provider after confirming that there is a prompt of the fault of charging pile or vehicle.
	Press the key, microswitch or window control switch	To stop charging, pull out the charging plug within 30s after unlocking.

Charging Method

- Inspection before charging:
  - Make sure that the charging equipment has no abnormalities such as cracked housing, worn cable, rusted plug or foreign object.
  - Do not charge when the charging connection device connection is loose.
  - Make sure that there is no water or foreign object in the charging port, and the metal terminal is not rusted or corroded.
  - Do not charge if the above condition exists; otherwise, it may cause short circuit or electric shock, resulting in personal injury.

AC charging with household portable equipment

1. Equipment description

- 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.
- The equipment consists of power supply plug, charging plug, charging plug protection cover, and charging cable in line with the national standard ("3-pin to 7-pin" for short). The power supply plug is connected to the household standard power supply socket, and the charging plug is connected to the vehicle charging port.
- Specifications of equipment: 220V AC 50Hz 8A
- Charging time: Please refer to the charging time prompting message displayed on the combination instrument.

WARM TIP

- It is recommended to contact a BYD authorised service provider or local electrician and select proper power supply according to the requirements of the charging equipment.
- Charging equipment grounding instructions: 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.

CAUTION

- During charging, the charging connection cable should not be coiled; otherwise, heat dissipation will be affected.
- Refer to the charging instructions for specific charging precautions.

WARNING

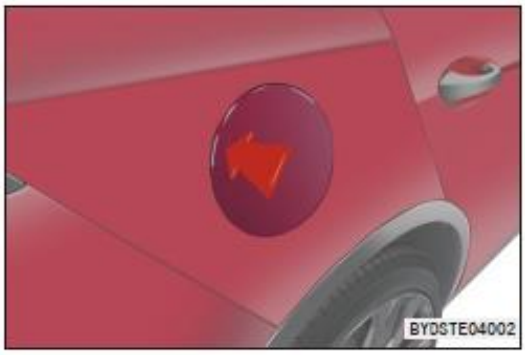
- Refer to the charging safety warnings in the charging instructions for specific charging safety warnings.
- The maximum operating ambient temperature is 50°C. Please store this product in a cool and dry place when it is not in use.
- During charging, do not place the equipment in the trunk, under the vehicle nose, or near the tyre.
- Do not drop or tread on the product or allow vehicle to run over it during use.
- Do not let the equipment fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently.
- Do not modify, remove or repair the charging equipment or relevant ports.
- Do not use any additional electric wire or adapter.
- 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.
- Do not use the charging equipment when the charging plug, power supply plug or socket is broken, cracked or showing any surface damage conditions.

2. Guidance on charging operation

- Unlock the charging port cap, open the charging port cap and charging port protection cover:

  - Opening charging port cap:

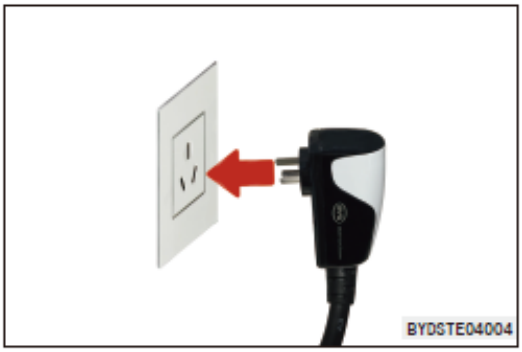
    Unlock the vehicle and press the charging port cap button to open the charging port cap automatically.



  - Open the protective cover of the charging port; make sure that the ends of the charging plug and socket are free of obstructions.

- Connecting power supply port:

  - Insert the power supply plug of the 3-pin to 7-pin equipment into the household socket. The power indicator of the 3-pin to 7-pin equipment will stay on (in red).



- Connecting vehicle charging port:
  - Connect the charging plug of the 3-pin to 7-pin equipment to the charging port and lock it securely.
  - Connect the charging plug. The charging plug connected indicator on the combination instrument will illuminate and the charging indicator of the 3-pin to 7-pin equipment will flash (in green).

- In the charging process, relevant charging parameters and charging animation will be displayed on the instrument.
  - In this condition, preset charging can be set via the instrument. Refer to setting procedure of preset charging function on the combination instrument for details.

3. Guidance on stopping charging

- End charging:
  - Charging will end automatically when the vehicle is fully charged;
  - To end charging in advance, proceed to the next step.

- Disconnect the charging port connection:
  - If the electric lock works in the inactive anti-theft mode, press the mechanical button of the charging plug directly, and pull out the charging plug;
  - If the electric lock works in the active anti-theft mode, press the UNLOCK button on the key or press the microswitch on the door handle (when the key is nearby), press the mechanical button of the charging plug, and pull out the charging plug.

WARM TIP

- Unlock the vehicle by pressing unlock button on the key (for charging in the OFF mode) or press the microswitch on the door handle (when the key is nearby).
- 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.
- The working mode of electric lock can be set via the multimedia. For the setting procedure, please refer to the working mode settings of electric lock via the multimedia.
- If the charging plug cannot be pulled out after unlocking, attempt to unlock for several times. If the charging plug cannot be pulled out, try emergency unlocking. For the operation steps, refer to the emergency unlocking of charging port in section about the charging port electric lock control.

- Disconnect the power supply plug.
- Close the charging port protection cover and charging port cap.
- Put the 3-pin to 7-pin equipment into the storage box in the trunk.

Single-phase/Three-phase AC charging through charging pile (if any)

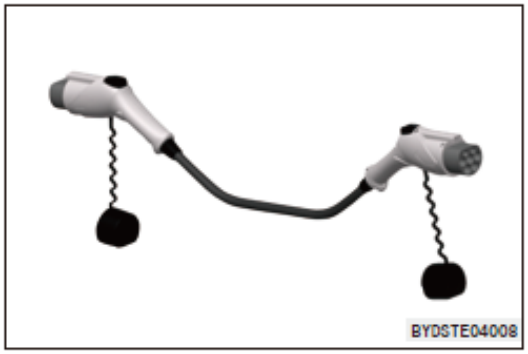
1. Equipment description

Single-phase AC charging box

- The charging box delivered with the vehicle can be used to charge the vehicle. For the use of charging equipment, refer to its instruction manual or follow the instructions.
- Specification of equipment: 220V AC 50Hz 32A
- Single-phase AC charging box: The equipment consists of charging box, charging plug and connection cable. For information about the circuit breaker and emergency stop switch, refer to the charging box manual.

Single-phase AC charging pile

- Public single-phase AC charging pile can be used to charge the vehicle. As some charging piles are not equipped with charging plugs, an AC charging connector should be prepared.
- Specifications of equipment: 220V AC 50Hz 32A or 220V AC 50Hz 16A
- AC connection device: This device consists of power supply plug, charging plug, plug/charging plug protection cover, and connection cable in line with the requirements of the national standard, referred to as seven to seven ("7-pin to 7-pin" for short) (if any).



WARM TIP

- During use of the 7-pin to 7-pin equipment (if any), to avoid reverse connection, pay attention to the tags on the power supply plug and the charging plug.

Three-phase AC charging pile (if any)

- Public AC charging pile can be used to charge the vehicle. AC charging piles are generally installed in public places such as large supermarkets, shopping malls and parking lots.
- The BYD three-phase AC charging pile can also be used to charge the vehicle. For the use of charging equipment, refer to its instruction manual or follow the instructions.
- Specification of equipment: 380V AC 50Hz 63A
- Charging time: Please refer to the charging time prompting message displayed on the combination instrument.

WARM TIP

- If power supply resumes after outage of the external power grid for a short time, the BYD charging equipment will re-start charging automatically and no re-connection of the charging equipment is required.

⚠CAUTION

- Pay attention to the parking position of the vehicle before charging to ensure that the charging cable would not be straightened during charging.
- To end charging before the vehicle is fully charged, please set the charging equipment to end charging in advance; do not cut off the power with load as much as possible.
- Refer to the charging instructions for specific charging precautions.

⚠WARNING

- Refer to the charging instructions for specific charging safety warnings.

2. Guidance on charging operation

AC charging can be performed by connecting the vehicle to an AC charging pile with the 7-pin to 7-pin equipment or connecting the vehicle to an AC charging pile/box with a charging plug of the AC charging pile/box

Instant charging method:

- Unlock the charging port cap, 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.
- Connecting power supply port:
  - If the charging box delivered with the vehicle is used to charge the vehicle, this step can be omitted;
  - If an AC charging pile equipped with a charging plug is used to charge the vehicle, this step can be omitted;
  - If a single-phase AC charging pile not equipped with a charging plug is used to charge the vehicle, the 7-pin to 7-pin equipment should be used. To use the equipment, connect the power supply plug to the power supply socket on the charging pile.
- Connecting vehicle charging port:
  - Connect the charging plug of the charging equipment to the charging port of the vehicle and lock it securely.
- Charging setting:
  - For the single-phase AC charging box delivered with the vehicle or public AC charging pile without setting options, this step can be omitted;
  - For public AC charging pile/box with setting options, to use it, swipe your card or scan the QR code on it. For specific operation, refer to the charging pile/box instructions.

- 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.
  - In this condition, preset charging can be set via the instrument. Refer to setting procedure of preset charging function on the combination instrument for details.

3. Guidance on stopping charging

- End charging:
  - The charging equipment can be set to end charging in advance or end charging automatically when the vehicle is fully charged.
- Disconnect the charging port connection:
  - Disconnect the charging port with reference to AC charging with household portable equipment.
- Disconnect the power supply plug:
  - If the 7-pin to 7-pin equipment is used for charging, it is recommended to pull out the charging plug before pulling out the power supply plug;
  - If the charging box delivered with the vehicle is used to charge the vehicle, this step can be omitted;
  - If an AC charging pile equipped with a charging plug is used to charge the vehicle, this step can be omitted.
- Close the A/C charging port protection cover and charging port cap (with reference to AC charging with household portable equipment).
- Sort and properly place the charging equipment.
  - If the AC charging pile/box is used for charging, place the charging plug in the designated position of the charging pile/box;
  - If the 7-pin to 7-pin equipment is used for charging, sort and place it properly.

⚠WARNING

- Do not let the 7-pin to 7-pin equipment 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.

DC charging with charger

1. Equipment description

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

2. Guidance on charging operation

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

Instant charging method:

- Before charging, make sure the vehicle power is in the OFF mode.
- Unlock the charging port cap, 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.
- Connecting vehicle charging port:
  - Connect the charging plug of the charger to the charging port of the vehicle and lock it securely.
- 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.
  - In this condition, preset charging can be set via the instrument. Refer to setting procedure of preset charging function on the combination instrument for details.

WARM TIP

- 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.

3. Guidance on stopping charging

- End charging:
  - The charger will automatically end charging if the charger is set to end charging in advance or charging is completed.
- Disconnect the charging port connection:
  - Press the mechanical lock button on the DC charging plug and pull out the charging plug.
- After the DC charging through charging pile is completed, sort the charging equipment and place it properly, and place the charging plug at the designated position of the charger.
- Close the DC charging port protection cover and the charging port cap on the vehicle.

⚠CAUTION

- If the charging plug cannot be pulled out after charging, please contact the customer service personnel in charge of the charger in time.
- Refer to the charging instructions for specific charging precautions.

⚠WARNING

- Refer to the charging instructions for specific charging safety warnings.

Intelligent Charging Function

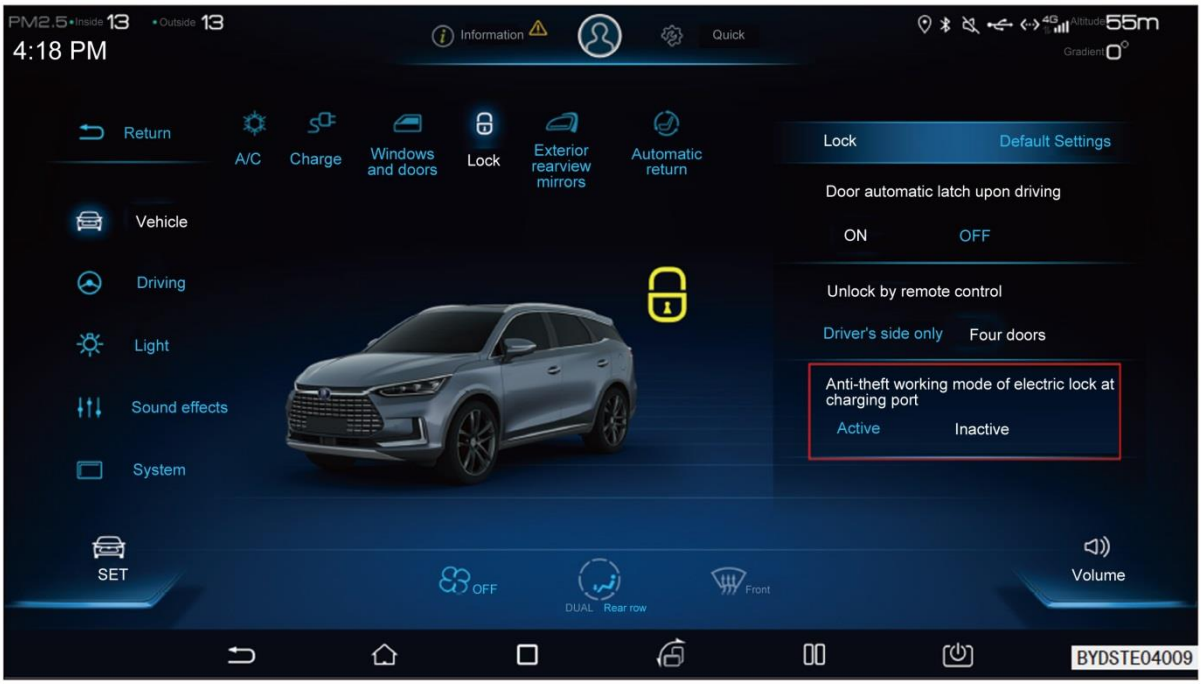
- This vehicle is provided with intelligent charging function. It is unnecessary to disconnect the negative pole of start Fe battery when the vehicle is parked for a long time.
- When the start Fe battery manager detects a low start Fe battery, the start Fe battery may be charged from power battery.

ⓘWARM TIP

- The intelligent charging function may start automatically in the long-time parking process of the vehicle. This is a normal phenomenon and not a vehicle fault.
- The electric energy for intelligent charging is supplied from the power battery pack, so the SOC may drop when the vehicle intelligent 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 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:



- Tap "Vehicle Settings" on the multimedia screen and select "Lock".
- Under "Anti-theft working mode of electric lock at charging port", set the working mode to "Active".

WARM TIP

In the anti-theft working mode being "Active" or "Inactive", the charging plug will be locked during charging. In this case, the user can unlock it in the following ways:

- Press the unlock button on the intelligent key to unlock it (for charging in OFF mode).
- Press the microswitch beside the exterior handle of the driver's door to unlock it (when the key is nearby).
- Press the window control switch below the window and on the inner side of the driver's door to unlock it.

⚠CAUTION

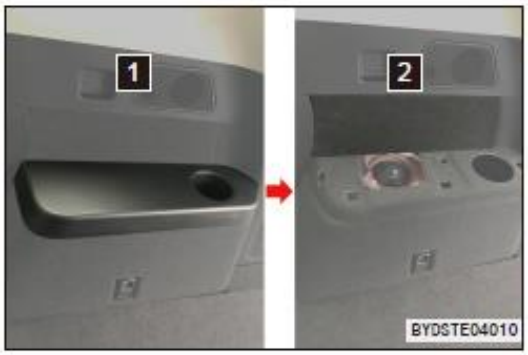
- After unlocking of the charging plug, the charging plug can be pulled out within 30s, and the electric lock will be locked again after 30s.
- After the vehicle is fully charged, the electric lock will be unlocked automatically in the "Inactive" anti-theft working mode, and the electric lock needs be manually unlocked with the above method in the "Active" anti-theft working mode.

Emergency unlocking of charging port

When the electric lock fails and the charging plug cannot be pulled out, you can perform manual emergency unlocking and try to pull out the charging plug.

AC charging port

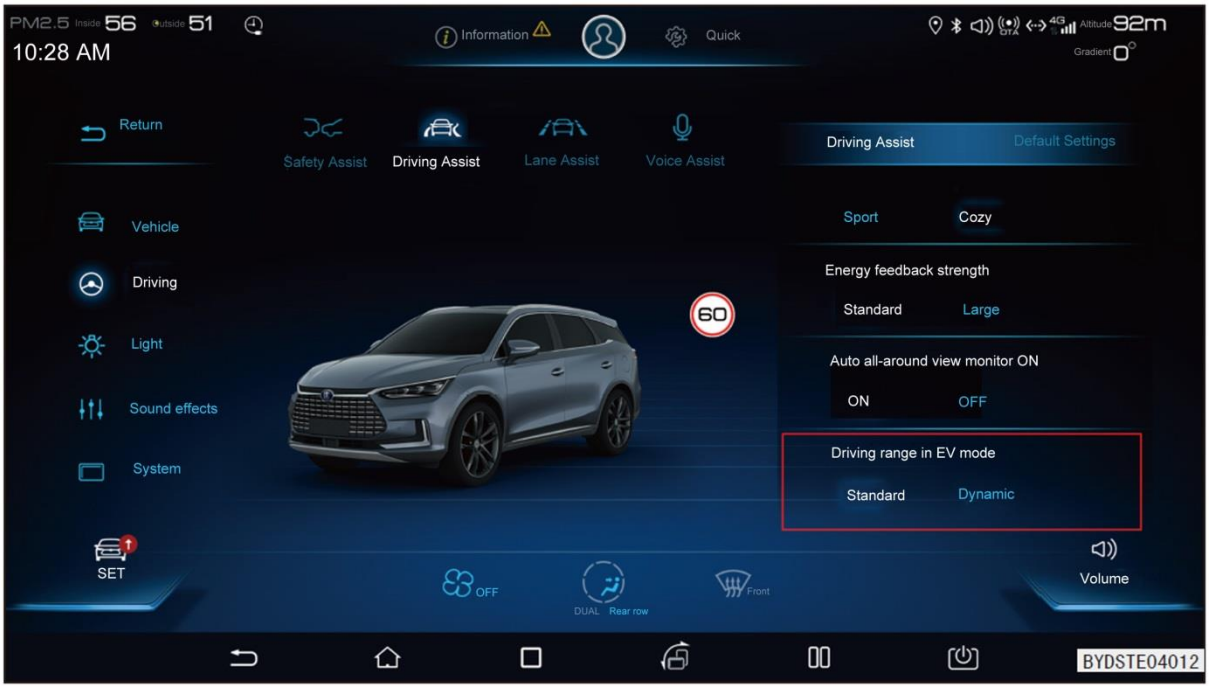
1. Open the trunk lid;
2. Pull out the armrest frame 1 on the right side of the trunk;
3. Pull out the shock absorber maintenance cover skin 2 on the right side of the trunk;



4. Manually turn the red lock plate by 90˚ counterclockwise to unlock it.

Driving range display mode setting (if any)

To provide customers with better driving experience, this vehicle has “driving range display mode setting” function. This function is in the standard mode by default. To activate the dynamic mode, follow the steps below:



- Tap "Driving Assist" on the multimedia screen.
- Set the "Driving range in EV mode" to "Dynamic".
  - Standard mode: The driving range is displayed based on the test results in comprehensive conditions.
  - Dynamic mode: The driving range is displayed based on the battery SOC and current average energy consumption.

WARM TIP

- The driving range displayed after each full charge will vary with the computation based on the energy consumption of the previous trip.
- The driving range will increase or decrease depending on A/C or heater ON/OFF, driving mode (SPORT and ECO) and other accessories ON/OFF.

Discharging equipment (if any)

This vehicle has exterior discharging function (if any) and interior discharging function (if any). Exterior discharging can be further divided into vehicle-to-load discharging (VTOL) and vehicle-to-vehicle discharging (VTOV).

WARM TIP

- Use this function when the SOC value of the discharging vehicle is high as much as possible.
- When the SOC of the vehicle battery is low, the exterior discharging function will be limited.
- With the power in the OFF mode, if VTOL/VTOV connection device is connected for a long time without output, the static power consumption of the vehicle increases. It is recommended that discharging plug/charging plug be disconnected when the equipment is not in use.

CAUTION

- For the precautions on the use of the discharging connection device, refer to Item 3 "precautions for charging equipment" in the section about precautions for charging.
- Before discharging, confirm the vehicle battery SOC and estimate the remaining driving range.
- Before VTOL discharging, make sure that the load is turned off.
- Before VTOV discharging, make sure that the vehicle to be charged is in the chargeable state, and the distance between the charging ports of the two vehicles does not exceed the length of the cable for VTOV discharging connection device. Do not stretch the connection cable during operation.
- Before VTOV discharging, connect the charging port of the vehicle to be charged (with charging plug), and then connect the charging port of the discharging vehicle (with discharging plug).

WARNING

- Do not touch the discharging socket, interior discharging socket or metal terminal of the vehicle charging port during discharging.
- Stop discharging immediately if there is any abnormality such as odor or smoking during the discharge.
- The discharging safety warnings are the same as charging safety warnings (refer to the charging instructions).
- Please store this product in a cool and dry place when it is not in use.

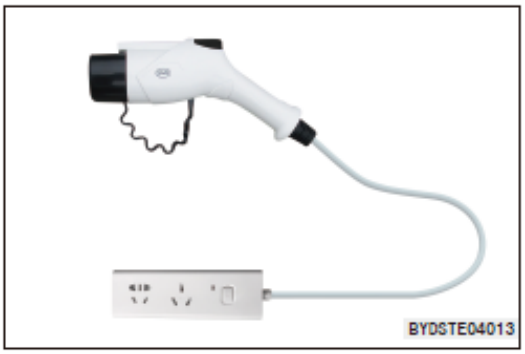
⚠WARNING (CONTINUED)

- During discharging, do not place the equipment in the trunk, under the vehicle nose, or near the tyre.
- Do not drop or tread on the product or allow vehicle to run over it during use.
- Do not let the equipment fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently.
- Do not use the charging equipment in the cases of softening of the socket wire, wearing of discharging plug cable, cracking of insulation layer, or any other damage conditions.
- Do not use the equipment when the discharging plug or power supply socket is broken, cracked or showing any surface damage conditions.

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 50Hz 16A; exterior discharging is performed through VTOL connection, with a maximum discharging power of 3.3kW.



2. Guidance on discharging operation

- Before discharging, make sure the vehicle power is in the OFF mode.
- 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.
- Do not charge if the above condition exists; otherwise, it may cause short circuit or electric shock, resulting in personal injury.

- Instrument setting:
  - Press the [Discharge] switch on the switch set in the discharging vehicle, set the discharge mode to [VTOL] on the instrument, press the scroll wheel on the left side of the steering wheel to confirm that the [VTOL] mode is selected. The instrument prompts "Please connect the discharging plug within 10 min".
- Connecting the discharging connection equipment:
  - Connect the VTOL discharging plug to the charging port and lock it securely within 10 min.

WARM TIP

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

- Discharging started:
  - Press the button on the discharging socket and wait several seconds for the socket indicator to illuminate (red), indicating that the socket can be used.
  - 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:
  - Press the switch on the discharging socket;
  - In an emergency, proceed directly to the next step (not recommended).
- 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.

VTOV exterior discharging method (if any)

1. Equipment description:

- Vehicles of the same model and configuration can discharge to each other. The equipment consists of two charging plugs (discharging plugs) and connection cable.
- Specification of equipment:
  - Single-phase discharging: rated 220V 32A
- Discharging time: Please refer to the charging time prompting message displayed on the combination instrument.

2. Guidance on discharging operation

- Park two vehicles in a safe area and turn on the hazard warning lights.
- Set the power of the discharging vehicle to the OFF mode and activate the service brake or EPB (if any).
- Make sure that the vehicle to be charged is in the chargeable state.
- Unlock the AC charging port cap switches of the both vehicles, 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: This inspection is the same as the inspection before VTOL discharging.
- Instrument setting:
  - Press the [Discharge] switch on the switch set in the discharging vehicle, set the discharge mode to [VTOV] on the instrument, press the scroll wheel on the left side of the steering wheel to confirm that the [VTOV] mode is selected. The instrument prompts "Please connect the discharging plug within 10 min".
- Connecting the discharging connection equipment:
  - Connect the two vehicles through VTOV discharging connector within 10 min and the discharging vehicle will function as a charging equipment to start charging the vehicle to be charged.
- Discharging started:
  - The discharging vehicle starts to discharge, with the instrument displaying the discharging information. The charged vehicle starts to be charged, with the instrument displaying the charging information.

3. Guidance on stop discharging

- End discharging:
  - End the "VTOV" discharge mode by setting the discharging vehicle (press the [Discharge] switch or press and hold the scroll wheel on the left side of the steering wheel for 3s);
  - After unlocking with the key/microswitch, press the mechanical button of discharging plug on the discharging vehicle to end discharging;
  - In case of emergency, you may disconnect the charging plug of the charged vehicle directly. However, this method is not allowed in normal operation.
- Disconnecting the discharging connection equipment:
  - After unlocking the discharging vehicle with the key/microswitch, press the mechanical button of discharging plug on the discharging vehicle, and pull out the discharging plug;
  - After unlocking the charged vehicle with the key/microswitch, press the mechanical button of charging plug on the discharged vehicle, and pull out the charging plug.
- Close the AC charging port protection cover and charging port cap of the discharging vehicle.
- Close the AC charging port protection cover and charging port cap of the discharged vehicle.
- Sorting equipment:
  - Sort and properly place the discharging connection equipment.

Interior discharging (if any)

- Specification of equipment:
  - Single-phase discharging: rated 220V 8A
- Preparation for discharging:
  - Confirm that the vehicle power is in the OK mode;
  - Do not discharge if any damage to, rust corrosion and crack on the surface of socket or loose connection is found;
  - In case the plug is obviously dirty or wet, cut off power and wipe the plug with a piece of dry and clean cloth to ensure that the discharging plug is dry and clean.

- Plugging in load:
  - Connect the plug of the electrical equipment to the discharging socket of the vehicle.
- Discharging started:
  - After the load is plugged in, the vehicle starts to discharge.
- End discharging:
  - Pull out the load plug or power off the vehicle to end discharging; remove the load.

WARM TIP

- When the vehicle power is in the OFF mode, the interior discharging function cannot be used.
- The maximum interior discharging capacity is 2.2kVA.

4-2 Battery

Power Battery

- The power battery is the power source of the vehicle. It can be charged with an external power source and can also be charged through energy recovery during braking or coasting of the vehicle.
- The power battery is located under the floor of the vehicle body. When driving the vehicle through a bumpy or rough road, take care to prevent the power battery from being impacted.

Battery characteristics

- Due to the electrochemical characteristics of the power battery and for the purpose of protecting the power battery, it is normal that the vehicle performance may vary in the following conditions:
  - The energy feedback performance of the vehicle is low when the power battery SOC is high, and will be strengthened when the SOC becomes low. There is a feedback performance strengthening transition phase in this period.
  - When the power battery is charged to high SOC, it will be switched to trickle charging mode, with lengthened charging time before end of charging, and the predicted time to full charge displayed by the instrument will deviate.
  - When the power battery is low, the acceleration performance of the vehicle will decrease.
  - When the power battery is low, VTOL/VTOV (if any) cannot be used normally; please charge it in time.
  - 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. When the vehicle is driven at extreme temperatures, the power performance may decrease.
  - At low temperatures, the power battery SOC will decrease. The SOC will decrease as the temperature decreases. When the vehicle is parked with high SOC and charged in a low temperature environment, its SOC may jump to 100%.
- 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.

- For DC charging at a low temperature, the temperature control system can greatly improve the low-temperature charging capacity of the battery and improve the charging performance of your vehicle. In the low-temperature and high-SOC condition, based on the low-temperature characteristics of lithium battery, the charging current is small. To shorten the charging time, it is recommended that the vehicle be charged with a low SOC in a low-temperature environment.
- During AC low-power charging at a low temperature, the power battery generates less heat due to the limit of charging power. To increase the charging power, the battery heating function will be activated at this moment, the power consumption for heating will increase when compared with DC charging and the charging time will also extend. These are normal phenomena for charging in a 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 temperature of power battery is low, the power battery may quickly reach the end of charging, causing damage to the power 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.

Suggestions for battery use

- It is suggested that the vehicle be operated at an ambient temperature of -10~40°C. When the battery is low, please charge it in time to ensure sufficient driving range and good acceleration performance.
- Do not store the vehicle in an environment with temperature above 40°C for a long time (more than 15 days); otherwise, the service life of the power battery will be shortened.
- 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.
- Low-power charging will extend the service life of the power battery.
- 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 (full charging at least once a week is recommended).

- In extreme conditions (such as continuous rapid acceleration and deceleration), if the temperature of the power battery is too high, the discharging capacity of the power battery will gradually decrease, which is normal. If the battery temperature continues rising, the fault indicator will illuminate on the instrument. In this case, it is recommended to contact a BYD authorised service provider.
- When the battery SOC increases or decreases abnormally, it is recommended to contact a BYD authorised service provider for inspection.
- The battery heating is of slow heating type. In case of driving for a short time, the effect of the battery temperature control system is not obvious, with increased electric energy consumption and decreased driving range. In case of driving for a long time, the battery will heat up with temperature rising continuously; in this case, the battery heating demand of the vehicle is low. To better improve your vehicle operation experience, the battery temperature control system mainly guarantees charging performance at low temperature.
- If the vehicle is to be stored for a long time, it can be placed in an area with high temperature such as underground garage or warm garage to reduce the loss of battery heat and ensure vehicle operation performance.

⚠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.
- In this case, contact a BYD authorised service provider 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.

⚠CAUTION

- 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.
- Park the vehicle away from heat sources and avoid prolonged exposure to sunlight; otherwise, the service life of the power battery will be shortened.
- 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 40%~60% 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 40%~60% 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.

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 authorised 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 authorised 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 Fe Battery

- It can work in the following modes: "Normal", "Sleep", "Extra-low power consumption", and "Low voltage protection". The purpose is to protect the battery cell from damage. If the vehicle system is intact, the above-mentioned modes can be switched automatically, without affecting your operation of the vehicle.
- To prevent the start Fe battery from getting into the state of insufficient power, when the conditions (front compartment closed, "OFF" mode, discharging allowed for power battery and start Fe battery power less than the design value) are met, the "intelligent charging" function will be triggered.
- When the intelligent charging function is triggered, the power battery will charge the start Fe battery. Therefore, when the vehicle is restarted after parking, the SOC or driving range in EC mode displayed on the instrument will decrease, which is normal.
- If "intelligent charging" fails, the vehicle may be powered off from the start Fe battery. If the vehicle is found lacking in electric power, you may try the left front door micro-switch to activate the start Fe battery and immediately start the vehicle in the OK mode and charge the start Fe battery for more than 1h (recommended).

WARM TIP

- As the start Fe battery contains relay, it is normal to hear a few "clicking" sounds from relay closing when the battery is operating.
- The start Fe battery should be charged with a special tool; therefore, do not remove it for charging privately.
- Do not jump start another fuel powered vehicle with the starter Fe battery; otherwise, the starter Fe battery may be damaged.
- The start Fe battery is a LV platform based start Fe battery with characteristics different from a common lead-acid battery. For details, please read instructions on using the start Fe battery in this manual.
- The start Fe battery is equipped with a power manager. Therefore, do not disassemble or repair the start Fe battery privately to avoid damage to the battery or injury to personnel.
- The start Fe battery needs to communicate with the vehicle so as to operate properly. Therefore, be sure to connect the connector and wiring harness correctly.

4-3 Main Points of Application

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 overspeed 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.
  - Do not use the vehicle to tow other vehicles within the first 2,000 km of mileage.

Trailer Towing

- As this vehicle is mainly designed to carry passengers. For safety of your own and others, do not overload the vehicle or use it to tow other vehicles.
- 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.

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:

1. **Feedback setting:**
   - 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.
2. **Constant speed:**
   - 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.
   - Accelerate the vehicle slowly and steadily. Avoid quick starting, abrupt acceleration and abrupt deceleration.
   - Maintain a stable speed and follow the traffic lights in driving, 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.
   - Avoid driving on roads with traffic congestion as far as possible.
   - 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.
3. **Load reduction:**
   - The operation of A/C will increase additional load for the motor, 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.
   - Avoid loading unnecessary weights onto the vehicle. Excessive weights will increase the load of the vehicle, resulting in the consumption of more energy.
4. **Others:**
   - Keep correct tyre pressure. Insufficient tyre pressure will result in wear of tyres and waste of 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 tyres, 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.

WARM TIP

- Do not coast in neutral when driving the vehicle.

Carrying Luggage

- The vehicle is provided with multiple convenient storing spaces, so that you can place your belongings at will.
- The glove box, storage boxes on trim panels and the file pockets on backrests are designed for placing small and light objects, while the trunk is designed for placing large and heavy objects.
- The trunk hatchway allows you to carry long objects in the vehicle. However, carrying too much luggage or improper loading may affect the maneuverability, stability and normal running of the vehicle and reduce the vehicle safety.
- Be sure to read the following pages before carrying luggage.

WARNING

- Do not carry strong magnetic articles with you to avoid interference with the normal operation of the vehicle.

Load limit

For loading of luggage, the total mass of vehicle body, all persons in the vehicle and luggage should not exceed the maximum permissible mass.

CAUTION

- Both overloading and improper loading will affect maneuverability and stability of the vehicle and may result in collision accidents.
- Observe the rules related to total load limit and other loading rules in this manual.

Carrying objects in passenger area:

1. All objects, which may be thrown in the vehicle and hurt passengers in the case of collision, should be placed or fixed properly.
2. 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.
3. Make sure that the glove box is always closed during driving. If the glove box is open, it may hurt the front passenger's knees in case of collision or emergency stop.

WARM TIP

- Do not fill the vehicle with children's toys because they may impose safety threat, and affect driving safety and may injure children especially in case of emergency braking or collision, although such toys facilitate children to play.

Carrying luggage in the trunk

Luggage lashing eyes (4 pcs.)

- 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.

Roof rack

- When the roof rack is used, the electric energy consumption of the vehicle will increase and your vehicle may have different driving characteristics.
- Do not open the sunroof when any luggage is placed on the roof rack to prevent the sunroof from being structurally or otherwise damaged due to impacting the luggage or beam when it is being opened.
- Please read and observe manufacturer's specifications for installing the roof rack.
- When load is carried on the roof beam, it is recommended to keep the load evenly distributed and keep the gravity center low. The vehicle's gravity center will rise under load, resulting in control being different from that when the vehicle has no load.
- When driving the vehicle with a high load, take extra precautions such as low-speed driving and increased braking distance.
- The maximum recommended load evenly distributed on the beam is 50 kg.

⚠CAUTION

- Be sure not to place load directly on the roof sheet metal, which is not designed to carry load.
- Properly use the roof rack functions. Please place load on the roof rack beam.
- Make sure the load is securely fixed. Check if the load is securely fixed before driving and when stopping on the way.

Fire Prevention

To prevent vehicle fire timely and effectively, observe the following precautions:

1. Do not place any flammables and explosives in the vehicle;

- In the hot summer, the inside temperature of a vehicle parked in the sunshine may be as high as 60~70°C or above. It is easily to cause fire or even explosion if any flammables and explosives such as lighter, detergent and perfume are placed in the vehicle.

2. Make sure that the cigarette end is completely extinguished after smoking;

- A cigarette end not completely extinguished may cause fire.

3. It is recommended to drive the vehicle to a BYD authorised 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.

4. 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.

5. Correctly select parking positions;

- Avoid stopping the vehicle at a place with sun exposure as far as possible.

6. Always keep a portable fire extinguisher in the vehicle and master its application method;

- To ensure vehicle safety, a fire extinguisher should be provided in the vehicle and be checked and replaced at regular intervals. In addition, the application method of the fire extinguisher should be mastered to avoid helplessness and dismay in the case of any accident.

7. Disconnect the negative pole wire of start Fe battery during repair and maintenance of the vehicle;

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

1. Fires generally have precursors such as abnormal sound body, odor, etc. Once abnormal situation is found, immediately stop the vehicle in a lee and take out the on-board fire extinguisher to put out the fire;
2. Call 119 for firefighting service in time, and contact your insurer at the same time for on-site handling.
3. After a fire brigade puts out fire, request the fire brigade to issue an action certificate and a document indicating the cause of fire.
4. After an accident occurs, contact your insurer to conduct afterwards treatment.

WARM 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.

4-4 Starting and Driving

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

- Tyres: check the tyre pressure and carefully check the tyre surface for notches, damage and foreign particles and check the tyres for abnormality and 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.
- Coolant level: confirm that the coolant level is normal.

- Start Fe battery and cables: check whether the connectors are corroded or loose and whether the start Fe battery shell has any cracks.

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.
- Carry the correct intelligent key on board.
- Depress the brake pedal and press the START/STOP button.
- When the OK indicator on the instrument illuminates, it indicates that the vehicle is ready to be driven.

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 intelligent 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 intelligent 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 intelligent key is in the vehicle (however, on the floor, or in the cup holder, trunk or right glove box).

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 intelligent key is in the vehicle.
- Press and hold the START/STOP button for more than 15s to start the vehicle.

WARM TIP

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

General inspections after starting the vehicle

- Combination instrument: confirm that the maintenance prompt indicator and the speedometer work normally.
- Brake: confirm in a safe place that the brake will not pull to either side when brake is applied.
- Other abnormal phenomena: check if there is any loose part, leakage or abnormal noise.

Remote Control Driving Function (if any)

Remote control start function of electronic intelligent key

Before starting

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

Starting the Vehicle

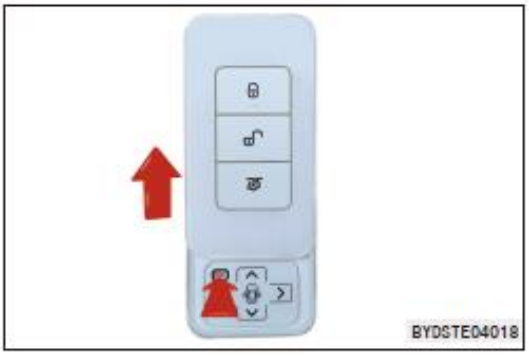
1. Press and hold the "REMOTE START/STOP" button on the electronic intelligent key for 2s to start the vehicle. After the vehicle is started successfully, the turn signals will flash 3 times;
2. If no effective operation is performed within 10 min after remote starting is successful, the motor will stop,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

"Remote control start function" of slide-out intelligent key

Before remote control driving

1. Check situation around the vehicle.
2. Make sure that there are no devices on the steering wheel that prevent the steering wheel from turning freely.
3. Check that the vehicle is started normally and no fault indicators illuminate on the instrument.
4. Ask all passengers to get off the vehicle.

Remote control start



1. The vehicle speed is less than 5km/h;
2. Set the power to OFF mode;
3. Place the gearshift lever in "P" position;
4. Push the slide cover in the direction indicated by the arrow shown in the figure on the right to open it, and press the "START/STOP" button for about 2s to start the vehicle;
5. After the vehicle is successfully started, the turn signals will flash for 3 times.

Forward, reverse and stop via remote control

1. Press and hold the "FORWARD" button to allow the vehicle to move forward, with the turn signals flashing twice; release the "FORWARD" button to allow the vehicle to slowly stop, with the turn signals going out.
2. Press and hold the "REVERSE" button to allow the vehicle to reverse, with the reverse lights illuminating and the turn signals flashing twice; release the "REVERSE" button to allow the vehicle to slowly stop, with the reverse lights and turn signals going out;
3. If any button has been operated continuously for more than 1 min, the vehicle will stop automatically. In this case, you need to press the button again.

Turning steering wheel to left/right via remote control

1. Press and hold the "LEFT" button to allow the steering wheel to turn left automatically; release the "LEFT" button to allow the steering wheel to stop turning left;
2. Press and hold the "RIGHT" button to allow the steering wheel to turn right automatically; release the "RIGHT" button to allow the steering wheel to stop turning right;

Remote control stop

- After the vehicle is started, pressing and holding the "REMOTE START/STOP" button for 2s will stop the motor and power OFF the vehicle; at the moment, the turn signals will flash twice.

- If no effective operation is performed within 10 min after remote starting is successful, the vehicle will stop, the power will be in the OFF mode, and the turn signals will flash twice.

Protection mode

- When the instrument or multimedia shows the message "For your safety, remote control driving function is temporarily unavailable", the cause may be the road condition not suitable for remote control driving or the system entry into the protection mode due to over temperature. In this case, do not continue to operate remote control driving.
- In the following cases, the remote driving function may be deactivated:
  - When there are facilities nearby emitting strong electromagnetic wave such as television towers, power stations, radio stations, large display screens, airports, or other facilities that generate strong radio waves or electrical noise interference.
  - When a portable radio, cell phone, mobile phone or other wireless communication device is carried with you.
  - When the intelligent key comes into contact with, or is covered by, the following metal objects:
    1. Card with aluminum foil;
    2. Cigarette case with inner aluminum foil;
    3. Coin or metal wallet or bag;
    4. Metal hand warmer;
    5. Media like CD or DVD.
  - When multiple intelligent keys are near the vehicle at the same time.
  - When other remote control keys (emitting radio waves) are in use near the vehicle.
  - When the key battery is dead.
  - When the intelligent key is near high-voltage or noisy equipment.
  - When the intelligent key is carried along or used together with the following equipment emitting radio waves:
    1. Electronic keys or wireless keys emitting radio waves of other vehicles;
    2. Personal computer or personal digital assistant (PDA);
    3. Digital audio player;
    4. Portable gaming system.
  - When sunshade membrane with metal component or metal substance is attached to the window.
  - When the vehicle is running on a sloped, snow or water covered, or bumpy road.

⚠CAUTION

- Be sure to observe the local road traffic laws and regulations of the country for using the remote control driving function.
- Make sure that the motor is fault free and no device will obstruct the turning of the steering wheel before use.
- Make sure that there are no pedestrians or obstacles around the vehicle during use. Do not use the remote control driving function when there are pedestrians around the vehicle or the road condition is complex.
- Do not allow any juvenile or person without a driving license to use the remote control driving function.
- Do not use the remote control driving function in the vehicle.
- Consequences arising from failure to comply with the requirements of this manual in operation may not be covered by insurance companies.
- Do not use the remote control driving function after taking alcohol.

Gearshift Actuator

Shift positions of the gearshift actuator are marked on the shift lever, as shown in the right figure.

- "P": parking position. Parking can be achieved by pressing this button. The vehicle should be set at this position during shutting down or starting of the motor.
  - The "OK" indicator should illuminate before starting the vehicle. By depressing the brake pedal, you may shift the gear from "P" to another position.

⚠CAUTION

- 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 if the vehicle is to be parked for a long time.

- "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.

⚠WARNING

- If the vehicle moves after the motor is shut down and the gearshift lever has been placed to "N" position, the transmission will be seriously damaged due to the lack of lubrication.
- If the motor runs and the gearshift lever has been placed to "R" or "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.
- Do not drive the vehicle downhill when the gearshift lever is placed in "N" or "P" position, even if 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.

Applying the EPB manually

Pull up the EPB switch. The EPB will exert proper parking force and 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.

⚠CAUTION

- Ⓟ Flashing of the indicator indicates that the EPB is in service. If the vehicle is on a hill at this moment, do not release the brake pedal, to prevent causing the risk of vehicle sliding. Release the brake pedal after the Ⓟ stays on.

Applying the EPB automatically

- When the power is switched from ON to OFF mode, the EPB will be applied automatically, the indicator Ⓟ on the instrument will illuminate and the instrument will display the message of "EPB activated".
- When the vehicle speed is less than 3 km/h, the gearshift lever is in D or R position and the door is being opened, the gearshift will shift to P position and the EPB will be applied automatically.

⚠CAUTION

- If the EPB switch is pressed and the vehicle is powered off at the same time, the EPB will not be applied automatically.
- Do not release the brake pedal early in the process, especially when the vehicle is to be parked on a slope; otherwise, there will be risk of vehicle sliding to slight extent.
- This function is designed to avoid adverse consequences caused by a driver leaving the vehicle after powering it off without applying parking brake, and to improve the vehicle safety. Excessive reliance on or frequent use of the function is not recommended.

Releasing the EPB manually

When the vehicle is in the OK mode or started and the vehicle is in a gear position other than P (parking) position, depress and keep holding the brake pedal and press the EPB switch until the indicator on the instrument is off, which indicates that the EPB has been released, and then the instrument will display the message of "EPB deactivated".

⚠CAUTION

- P position refers to the parking position. When the vehicle is in P position, it is in a stable parking state. EPB is a main parking device of the vehicle. To ensure the vehicle's parking safety, releasing the EPB with the EPB switch can only be achieved when the vehicle is in a gear position other than P (parking) position.

Releasing the EPB automatically when the vehicle is starting to move

- With the vehicle parked on a flat road or gentle slope (gradient less than 10°), 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".

⚠CAUTION

- Please follow the correct shift instructions and keep depressing the brake pedal throughout the shifting process. Do not release the brake pedal until the gear position shown on the instrument is the target one.

- 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 (P) will go out, and the instrument will display the message of "EPB deactivated".

⚠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 it is failed to manually release the EPB, keep pressing the EPB 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 authorised service provider.
- CDP (controlled deceleration parking) function may also be activated in case of brake blocking or failure when the ESP system works normally in the vehicle travelling process. The braking deceleration will be 0.4g if only the EPB is pulled up and will be 0.8g if the EPB is pulled up and the brake pedal is depressed at the same time. Avoid forcible braking by using the EPB. The emergency brake function can be activated only in emergency cases, such as failure of service brake and blocking of brake pedal.

EPB system indicator

- If the EPB is in pull-up state when the vehicle is powered on, the indicator Ⓟ on the instrument will stay on.
- If the EPB is in pull-up state when the vehicle is powered OFF, the indicator Ⓟ on the instrument will illuminate and then go out about 3s later.
- If the EPB system performs self-inspection when the vehicle is powered up, the indicator ⓘ on the instrument will illuminate and then go out 3s later. If the indicator does not go out, it indicates that there may be a failure in the EPB system. In this case, immediately contact a BYD authorised service provider.

Working sound of EPB

- When pulling up or releasing the EPB, you will hear a motor running sound from the EPB system.
- 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 authorised 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.
- To prevent causing a serious accident, no passenger in the vehicle is allowed to operate the EPB switch when the vehicle is running.
- 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.

Automatic Vehicle Hold (AVH)

AVH switch

AVH is short for automatic vehicle hold which is designed to hold the vehicle in place without depressing brake pedal or pulling up the parking brake lever while keeping the drive motor running for a long time in such cases as travelling on a slope or stopping in front of traffic lights or practicing stop-and-go.

AVH ready conditions (all the following conditions must be met)

1. The AVH switch is turned on and the AVH ready indicator on the combination instrument illuminates white;
2. The driver's seat belt is fastened and the doors are closed;
3. The vehicle drive motor is started or the power is in "OK" mode.

⚠CAUTION

- When the vehicle is powered up, the AVH switch is off and ready by default and the white indicator on the combination instrument illuminates.

AVH operation conditions

1. The AVH ready conditions are met;
2. The vehicle is in drive mode and brake pedal is depressed to bring the vehicle to a stop.

- When AVH is turned on, the brake lights and high-mounted brake lights illuminate, and the AVH indicator on the combination instrument turns green.
- After operating for 10 min, AVH will become in the ready state and the EPB will be applied automatically.

Turning off AVH

Press the AVH switch again to turn off AVH.

⚠CAUTION

- Depressing the accelerator pedal, shifting to the P position or pulling up the EPB will exit the AVH operation state and return to the AVH ready state. If the AVH ready conditions are not met, AVH will be turned off.

Main Points of Driving

- Drive slowly when driving against the wind, because it is easy to control the vehicle by doing so.
- Drive the vehicle slowly and maintain a correct angle as much as possible when driving on road with kerbstones. Avoid driving the vehicle over objects with high and sharp edges or over other obstacles on the road. Otherwise, the tyres may be seriously damaged.
- Slow down when driving on a bumpy road. Otherwise, wheels will be seriously damaged by impact.
- Avoid driving the vehicle through the waterlogged road surface when the vehicle has to be driven on a wet road.

WARM TIP

- The battery is located on the bottom of the vehicle. Take care to prevent impacting it when driving the vehicle.
- 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 foot on the brake pedal when driving, which will otherwise cause dangerous overheating and wear and waste of electric energy.
- 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.
- Plenty of water entering the front compartment will cause damage to the motor power system and electrical components.

CAUTION

- When the vehicle is driven normally, if you press and hold the start button for more than 3s, the power output of the vehicle will be cut off to achieve emergency power-off. In this case, it is recommended to turn on the hazard warning lights, gradually coast to the road side and stop the vehicle gradually by attempt to depress the brake pedal and apply parking brake when the vehicle speed is low or by means of surrounding obstacles.

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 the vehicle through waterlogging road sections:

- Do ascertain the water depth before driving the vehicle through waterlogged road sections. The water surface should not be higher than the lower edge of vehicle body.
- If wading through water is unavoidable, first turn off the air conditioner before the vehicle starts to move, then slow down and drive slowly, and finally gently depress and keep holding the accelerator pedal to drive the vehicle through waterlogging road sections at a steady and slow speed.
- Neither park the vehicle in water, nor reverse the vehicle and shut down the motor in water.
- The brake may be get wet when you drive through deep water. In this case, carefully drive and depress the brake pedal gently to dry the brake.
- After wading through water smoothly, depress the brake pedal gently and continuously for several times to make the water on brake disc evaporate, so that normal brake performance can be resumed as soon as possible.

⚠WARNING

- Any water or slurry on the surface of brake disc may cause lag in response of the brake, which will extend the braking distance. Be careful and do not cause any accident.
- Brake the vehicle carefully, dry the wet brake, and remove ice on the brake.
- Avoid emergency braking as far as possible after driving the vehicle through waterlogging road sections.
- When driving the vehicle on low-lying and waterlogged road surfaces, prevent water from entering the motor. Otherwise, the motor will be damaged seriously. Quality warranty will not be provided for any vehicle with fault and damage caused by not observing the instructions.
- After the vehicle is driven through waterlogged road sections, vehicle components, such as drivetrain system, driving system and automotive electric system, may also be damaged seriously. Quality warranty will not be provided for any vehicle with fault and damage caused by not observing the instructions.

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.
  - Using improper antifreeze will damage the motor cooling system.
- Check the conditions of battery and cables.
  - Cold weather will decrease the capacity of start Fe battery, so the LV battery should maintain enough power to start the vehicle in winter.
- Prevent door locks from being frozen by ice or 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 authorised service provide and all automotive parts stores.
  - The mixing ratio of water and anti-freeze agent should comply with the manufacturer's instructions.

⚠CAUTION

- Do not use the other substitutes as washing fluid, which may damage the painted vehicle surface.

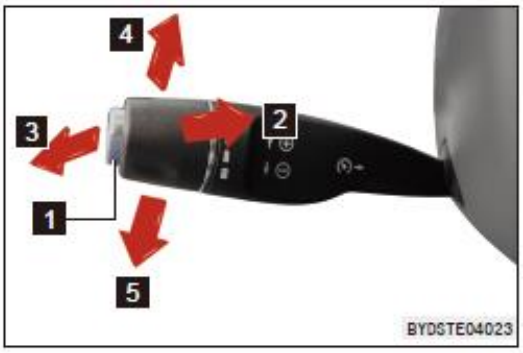
- Prevent ice or snow from accumulating on the lower parts of fenders.
  - Any ice or snow accumulated on the lower parts of fenders may cause difficulty in steering or blocking the electronic fan.
- It is recommended to carry necessary emergency tools or articles on the vehicle according to different driving and road conditions.
  - It is best to place the antiskid tyre chain, window scraper, a bag of sand or salt, signal flasher, scoop and connecting cable inside the vehicle.

4-5 Driving Auxiliary Functions

Cruise Control System (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.

⚠WARNING

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

ⓘWARM TIP

- When the vehicle is idling in place after being started, you may enter the cruise control speed setting interface but cannot set the speed.
- When the vehicle runs at a speed lower than 40 km/h with the gearshift lever is in D position after the vehicle is started, you may enter the cruise control speed setting interface after the system is activated but cannot set the speed.

Speed adjustment

4 Acceleration

5 Deceleration

Operate the switch in the 4 or 5 direction; at the moment, the "SET" indicator on the combination instrument will illuminate.

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 operate the switch in the 4 or 5 direction, the speed can be set and the vehicle will cruise at this speed.

RESET

Operate the switch in the 2 direction to allow the vehicle to run at the speed stored when cruise control system was turned off last time. If no speed is stored, the current speed will be treated as the target speed.

Canceling currently set speed:

Operate the switch in the 3 direction or depress the brake pedal to turn off the cruise control system

Adaptive Cruise Control System (If Any)

Functions

- The adaptive cruise control (ACC) system is designed on the basis of traditional cruise control to actively control the vehicle speed with radar detecting the relative distance and relative speed with a vehicle ahead so as to achieve the purpose of automatically follow a vehicle ahead in cruising. Depending on the condition (a vehicle is running ahead or not), the system may automatically switch between cruise control and ACC.
- You may use the cruise control lever to set the cruise speed in the range of 30~150km/h and the headway of the vehicle from a vehicle ahead to follow such vehicle at a speed in the range of 0~150km/h.

Working states

- ACC OFF:
  - In this state, the ACC system is off and cannot be operated in any way.
- ACC ON:
  - In this state, the ACC system is on. You may actively operate it to enter the normal working state. However, it may not enter the normal working state if some conditions are not met; in this case, you need to check the vehicle to make the vehicle meet the conditions.

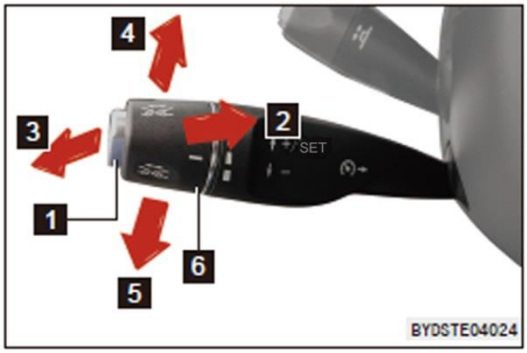
- ACC standby:
  - In this state, the ACC system is ready and meets conditions for entering the normal working state. You may actively operate it to enter the normal working state.
- ACC activated:
  - In this state, the ACC system is in normal working state and enables the vehicle to cruise at the set cruise speed or stably follow a vehicle ahead by automatically adjusting the distance with such target vehicle.
- Overtaking acceleration:
  - With ACC activated, if you depress the accelerator pedal, the vehicle will respond to your acceleration operation and the ACC will be suspended until you release the accelerator pedal.
- ACC faulty:
  - In this state, the ACC system is faulty and does not respond to any operation, and the ACC fault indicator on the instrument will illuminate.

ACC system activation conditions

- The EPB is released.
- The vehicle is in D position.
- The vehicle does not slip backward.
- The vehicle's four doors are closed.
- The driver has fastened the seat belt.
- The ESP OFF indicator on the instrument does not illuminate.
- The HDC indicator on the instrument has not illuminate.
- The ESP system is not activated.
- The vehicle speed is equal to or less than 150km/h.
- The vehicle runs in the normal mode (not sand, mud or similar mode).
- When the speed is 0, the brake pedal is depressed, or when the vehicle speed is greater than 0, the brake pedal is not depressed.
- No vehicle network communication fault prompt is displayed on the instrument.
- Automatic emergency braking is not activated.

Operating the cruise control lever

The ACC lever is on the left side of the steering wheel.



1 ACC ON/OFF button

Press this button to turn on (when the activation conditions are satisfied, the ACC system will enter the standby state) or off the ACC.

2 Resetting ACC

Pull the lever in this direction (close to the driver side) to restore to the currently stored vehicle speed. If no speed is stored currently, the system will not respond to this operation.

3 Deactivating ACC

Pull the lever in this direction (away from the driver side) to deactivate the ACC function and the ACC system will enter the standby state.

4 Setting/Increasing set speed

Gently raise the lever in this direction. When the ACC becomes activated from the standby state, the current vehicle speed will be set as the target vehicle speed. If the current vehicle speed is lower than 30 km/h, 30 km/h will be set as the target vehicle speed. If the current speed is higher than 150 km/h, 150 km/h will be set as the target vehicle speed. When the ACC function is activated, pull the lever in this direction to increase the set speed.

5 Decreasing set speed

With the ACC activated, pull the lever in this direction to decrease the set speed.

6 Setting headway

Turn the self-locking knob at the end of the cruise control lever to adjust the headway among four levels.

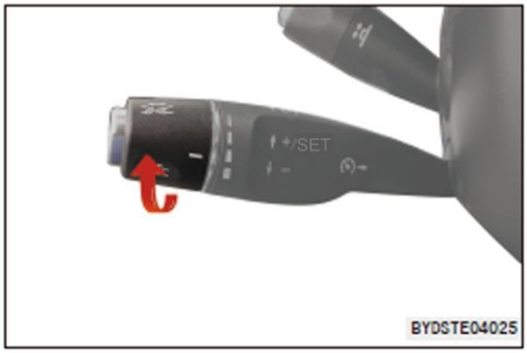
Setting vehicle speed

With the ACC activated, the cruise speed can be set.

- Setting level I speed: Raise the self-resetting ACC control lever gently in the **4** or **5** direction to set the speed in the range of 30~150 km/h. Press the ACC control lever to change the speed at a rate of ±1km/h each second. Press and hold the ACC control lever to change the speed at a rate of ±2km/h each second. In the same ignition cycle, when the cruise control is in standby state, the system can memorize the last set speed.

- Setting level I speed: Raise the self-resetting ACC control lever hard in the 4 or 5 direction to set the speed in the range of 30~150 km/h. Press the ACC control lever to change the speed at a rate of ±10km/h each second. Press and hold the ACC control lever to change the speed at a rate of ±20km/h each second. In the same ignition cycle, when the cruise control is in standby state, the system can memorize the last set speed.

Setting headway



- You are responsible for selecting a safe headway.
  - This system can adjust your vehicle speed to be such that your vehicle maintains a proper distance from a vehicle ahead in the same lane. You can turn the self-locking knob 6 at the end of the cruise control lever to adjust the headway among four levels.
- Turn the knob at the head of the lever clockwise to increase the headway.
- Turn the knob at the head of the lever anticlockwise to decrease the headway.
- The four headway levels include 1s, 1.5s, 1.9s, and 2.3s.

Actively accelerating/decelerating with ACC activated

- With the ACC activated, depress the accelerator pedal to accelerate the vehicle continuously. After the desired speed is reached, release the accelerator pedal. If the vehicle speed is higher than 150 km/h or the accelerator pedal is depressed continuously for more than 15 min, the system will enter the standby state, and you need to reactivate the ACC;
- With the ACC activated, depress the brake pedal to decelerate the vehicle continuously. The system will automatically enter the standby state. After releasing the brake pedal, you need to reactivate the ACC.

Vehicle following to stop/start

- The ACC system can control the vehicle to follow a vehicle ahead to stop in normal driving condition. If the vehicle stops for less than 3s, the vehicle can follow a vehicle ahead to start.
- If the vehicle has stopped for less than 3 min, the driver needs to depress the accelerator pedal or operate the ACC lever to reactivate the ACC.
- If the vehicle has stopped for more than 3 min, the ACC system will enter the standby state and the EPB will be applied.

Precautions

- The ACC is not a safety system, obstacle detector or collision warning system, but a comfort system. Therefore, a driver must always keep control of the vehicle and have full responsibility for the vehicle.
- The ACC function can assist the driver but not serve as a substitute for the driver in driving. Even if the ACC is activated, the driver must be careful in driving and follow the traffic rules.
- The driver should set the distance from a vehicle ahead and reasonably set the ACC system depending on the traffic flow ahead and current weather conditions such as rain or fog. After the ACC system is reasonably set, the driver should make sure that the vehicle can be decelerated to stop at any time.
- The ACC is suitable for use on expressways and roads in good conditions and not suitable for use on complex urban roads or mountain roads.
- Maintaining a proper distance from a vehicle ahead is the responsibility of the driver. The headway set via the ACC system meets the minimum distance requirement in the driving environment in this country.
- When the ACC is working, if the driver depresses the accelerator pedal, the driver takes control of the vehicle and the vehicle distance control function of the ACC system will not be activated.
- For stationary objects such as vehicles, tail end of vehicle stream, toll stations, bicycles or pedestrians, the ACC will react in special conditions only which are highly specific.
- In consideration of safety factors, the ACC cannot be activated when the ESP is off.
- The ACC system cannot recognize pedestrians and vehicles travelling in the opposite direction.
- The ACC can apply limited brake only and cannot apply emergency brake.
- If a vehicle ahead is braked suddenly (emergency stop), the ACC may sometimes fail to react or be slow in reacting to the action of the vehicle ahead, resulting in the risk of being too late in brake application. In this case, the driver will not receive a takeover request.
- In some cases (a vehicle ahead runs at a high relative speed or changes lane too fast, or the safety distance is too small, etc.), the system does not have enough time to reduce relative speed. In such cases, the driver must react appropriately. The system cannot provide an audible or visual alarm in each case.
- When the vehicle goes into or out of a curve, the target selection may delay or get hindered. In these cases, the ACC may brake late or unexpectedly.
- When the vehicle is running on a sharp curve such as a serpentine road, as the sensor may lose detection of the vehicle ahead in a few seconds due to limited vision field of the sensor, the ACC may accelerate the vehicle.

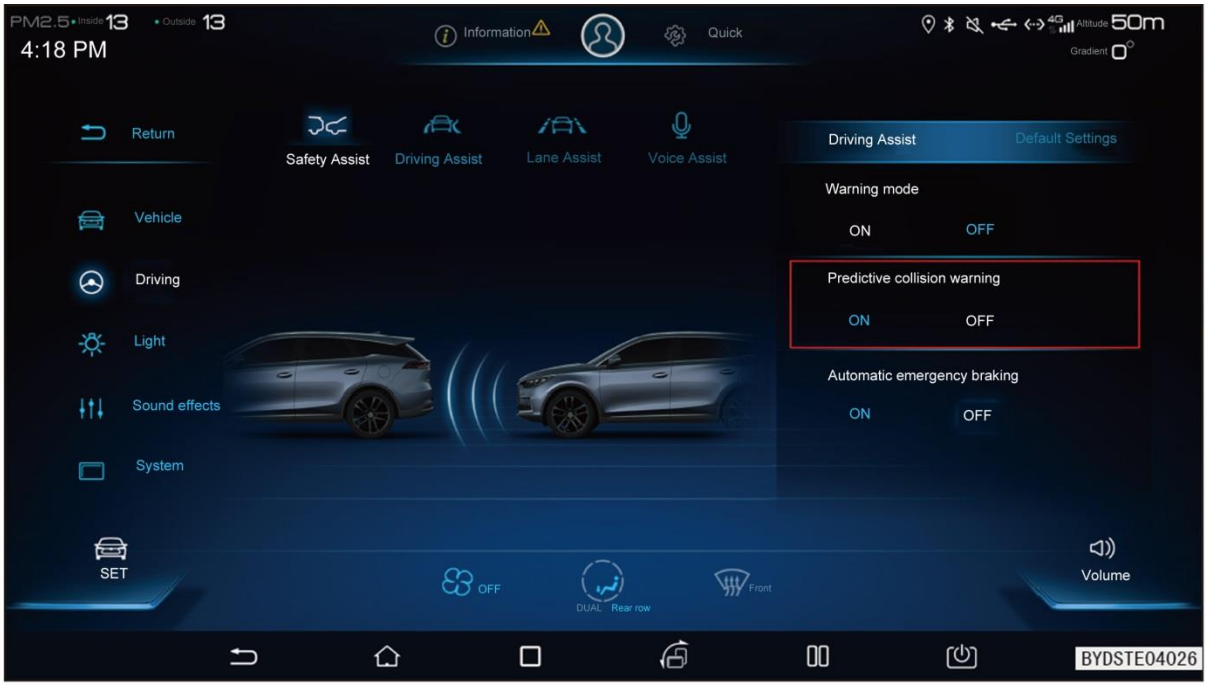
- If the vehicle with ACC activated is too close to an adjacent lane (or another vehicle on an adjacent lane is too close to the lane on which the vehicle with ACC activated is running), the ACC may respond to such other vehicle and brake.
- If another vehicle changes lane to the lane on which the vehicle with ACC activated is running, and falls within the detection range of the radar, the ACC will recognize it as a target vehicle and respond on this basis. In this case, the ACC may brake heavily or late.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, carriage or pedestrian), the system cannot identify the risk of distance from the target ahead, resulting in late response or failure to respond to these targets. In these cases, the driver need to control the vehicle speed. Moreover, the detection may be affected by noise or electromagnetic interference, resulting in delay or interference.
- When the vehicle runs on a different line to a vehicle ahead with a too small overlap ratio, the ACC system cannot identify such vehicle ahead as the target vehicle; in this case, the driver should keep control of the vehicle.
- When the vehicle follows a vehicle ahead to stop, in very few cases, the ACC system cannot identify the rear end of the vehicle ahead but the lower rear end of the target (e.g., the rear axle of a truck with high chassis or bumper of a vehicle). In these cases, the ACC system cannot guarantee a proper distance for stopping and the driver must stay alert and always get ready to brake.
- After obtaining confirmation from the driver (operation of the cruise control lever or accelerator pedal), the ACC system will make the vehicle to move forward automatically from stationary state. In this period, the driver must guarantee that there is no obstacle or any other traffic participant such as pedestrian ahead.
- The radar sensor may be affected by vibration or collision, resulting in performance reduction of the ACC system. In this case, contact a BYD authorised service provider.
- The radar sensor is mounted in the front area of the vehicle. It should be noted that the visual field of the sensor should not be covered by contaminants; otherwise, its intended function will suffer interference. Especially when snow completely covers the sensor, the system will quit; in this case, the system will send its quit information to the driver via the man-machine interface.

Forward Emergency Braking System (If Any)

Introduction to the system

The forward emergency braking system has two functions: predictive collision warning (PCW) and automatic emergency braking (AEB). When the system detects a potential risk of collision between the vehicle and any other vehicle, pedestrian or other object ahead, an audible and visual alarm will be issued to provide the driver with sufficient reaction time and when the situation continues to worsen, apply a short brake or even make automatic emergency braking to assist the driver in avoiding collision or mitigating injury caused by collision.

Operation method



You may turn on or off the predictive collision warning and automatic emergency braking functions via the multimedia system. These functions will be turned on by default when the vehicle is started.

Predictive collision warning

- Safety distance warning

During driving, if the vehicle follows another vehicle ahead at a close distance for a long time, the system will issue a safety distance warning and the indicator on the instrument will illuminate, reminding the driver that the vehicle is too close to another vehicle ahead.

- Predictive warning

During driving, if there is a risk of collision between the vehicle and another vehicle ahead, the system will issue a visual and audible predictive warning, the indicator on the instrument will illuminate, and the speaker will sound. In this case, the driver should take proper action in time to ensure safety distance in driving.

- Emergency warning

When the vehicle runs at a speed higher than 30 km/h and the driver does not take appropriate action in time after the predictive warning, the risk of collision increases and the system will issue predictive warning in a visual and tactile manner: the indicator on the instrument will flash and short brake may be applied as a reminder. In this case, the driver should take proper action in time to ensure safety distance in driving.

Automatic emergency braking

- If the driver does not respond to the emergency warning and the dangerous situation is further escalated, the system will enter automatic emergency braking mode. In this case, a window will be displayed on the instrument to show that the vehicle is in emergency braking to remind the driver, and the system will apply braking force within its capability to avoid or mitigate injury caused by the collision.
- If the driver has taken braking measures in an emergency but the braking force is insufficient, the brake system will provide required braking force to achieve the best target braking force to avoid or mitigate injury caused by the collision.

Precautions

- The forward emergency braking system cannot guarantee collision avoidance under all circumstances. In this respect, the driver must always maintain control of the vehicle and be fully responsible for the vehicle.
- The pedestrian protection technology cannot overcome the limitations of some physical conditions, and the function cannot be fully deployed within the speed range specified by the system. Therefore, the responsibility for taking timely and effective braking action always lies on the driver. Whether the pedestrian protection system issues an alarm or whether it can apply brake via the brake pedal or circumvent a pedestrian are based on actual conditions.
- The automatic emergency braking function will be turned off when the ESP function is turned off or the fault indicator illuminates.
- If the predictive collision warning system issues predictive warning, the driver must apply brake based on the traffic conditions to reduce the vehicle speed or avoid obstacles via steering.
- If the vehicle follows another vehicle ahead at a close distance for a long time, the safety distance warning system will issue a distance warning. If the vehicle ahead is braked sharply, collision cannot be avoided.
- In the event of an emergency warning, if the driver is alert (for example, the driver turns the steering wheel or applies emergency brake), the system will not continue to trigger automatic emergency braking.
- If the driver depresses the brake pedal or the vehicle obviously accelerates, the intervention of braking force applied by the emergency braking system may be interrupted.

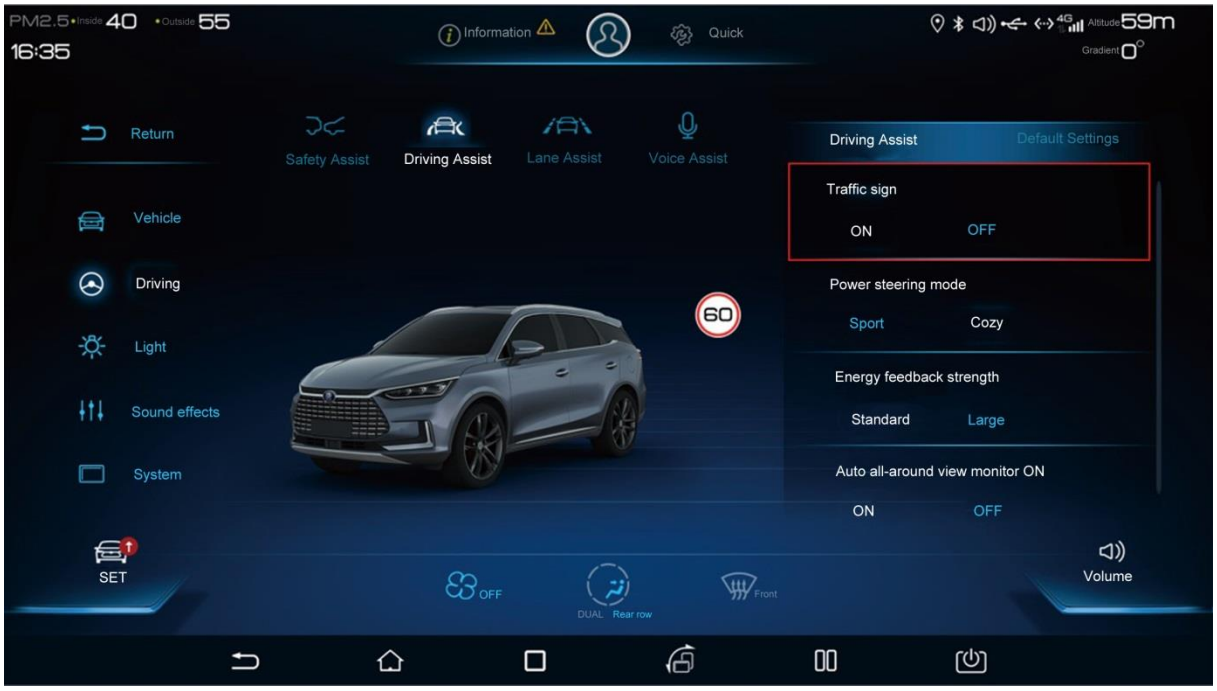
- Rainstorm, mist, snow, or sludge may weaken the performance of the radar sensor. Therefore, please keep the sensor surface clean to avoid affecting the sensor's normal operation.
- In case of a fault that causes the radar sensor to treat the surface being dirty or covered by foreign object, the combination instrument screen will display corresponding information (radar surface is dirty or covered by foreign object). In this case, remove the foreign object from the sensor surface. When the radar is faulty, the predictive collision warning and the automatic emergency braking functions are turned off. After the fault is eliminated, the two functions will return to normal.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, tricycle, carriage, electric bicycle or motorbike), there is a risk that the system cannot identify the distance from the target ahead, resulting in late response or failure to respond to these target vehicles. In these cases, the driver need to control the vehicle speed.
- If the detection performance of the sensor is reduced due to the road ambient conditions and the characteristics of the collision object (for example, the radar wave in a tunnel experiences multiple reflections and causes the radar to misidentify the target or the vehicle ahead overlaps with a pit cover or metal bar on the ground and is leaving that area), this vehicle may brakes unexpectedly, which is caused by performance limitations of radar and intelligent camera system.
- Pedestrian protection cannot rely on the system itself to completely avoid accident and serious injury.
- In some complex conditions, the pedestrian protection function may have unwanted warning and brake intervention, for example, on a curved main road.
- Malfunctioning pedestrian protection system may have unwanted warning and brake intervention, for example, due to angular misalignment of the radar/camera sensor.
- The driver must always be ready to take over and control the vehicle at any time.
- If the pedestrian protection system triggers braking, the brake pedal will feel hard by foot.
- When the driver depresses the accelerator pedal or turns the steering wheel, the automatic braking triggered by the pedestrian protection function will be restricted.
- If the vehicle is running under special road conditions such as a circular parking lot or a tunnel for a long time, the radar sensor may malfunction for a short time due to its detection characteristics. In this case, you can restore the function by restarting the vehicle or driving along a normal road for a certain distance.
- Improper repair or modification of the vehicle may result in misalignment of the sensor and affect the normal operation of the system. In this case, contact a BYD authorised service provider.

Traffic Sign Recognition System (If Any)

Introduction to the system

The traffic sign recognition system identifies speed limit signs on road through the camera sensor, and the speed limit indicator on the instrument will illuminate to remind the driver to control the vehicle speed within a reasonable range.

Operation method



- You can turn on or off the traffic sign recognition system via the multimedia system. The system memorizes the ON/OFF state of the previous startup by default.
- When the system recognizes a speed limit sign on the vehicle's travel path, corresponding speed limit indicator on the instrument will illuminate (e.g. 120). When the system recognizes a speed limit lifted sign or that the vehicle has traveled a certain distance, the speed limit indicator will go out.

Precautions

- The speed limit indicator on the instrument will go out after the vehicle has traveled a certain distance since recognition by the system. Therefore, the driver should take care to control the vehicle speed within a reasonable range.
- The speed limit recognition system can only recognize speed limit signs and does not participate in active control of the vehicle. The control of the vehicle is always in the hands of the driver. Therefore, please drive reasonably.
- When multiple speed limit signs appear on side-by-side lanes, the system will recognize the speed limit sign of the current lane for the display of the speed limit indicator, and the driver must ensure that the vehicle is running in the correct lane.
- The performance of the speed limit recognition system is affected by the weather, illumination level and visual quality of road markings. When you drive in shadowed area, at sunset, on a rainy, misty or hazy day or on a road covered with snow and ice or with poor markings, its performance will reduce significantly.
- When the vehicle has suffered collision accident or the sensor is reinstalled, it is recommended to contact a BYD authorised service provider to calibrate the sensor to avoid affecting the system performance.

Intelligent High Beam Assist System (If Any)

Introduction to the system

The intelligent high beam assist system judges the current driving environment via the camera sensor, and automatically activates or deactivates the high beams.

Operation method

- You can turn on or off the intelligent high beam assist system function via the multimedia system. The system memorizes the ON/OFF state of the previous startup by default.
- With the light switch in AUTO mode, after the intelligent high beam assist system is turned on, when the light meets the conditions and the vehicle speed is higher than 35 km/h, the system will automatically switch between the low beams and high beams depending on the current driving environment. The functional indicator on the instrument will illuminate when the high beams are on.

Precautions

- When the vehicle is in a high dynamic state such as ABS or ESP activated, the light conversion will be restricted.
- When the driver turns on the fog lights or turn signals or makes emergency steering, the light conversion will be restricted.
- When the vehicle has suffered collision accident or the sensor is reinstalled, it is recommended to contact a BYD authorised service provider to calibrate the sensor to avoid affecting the system performance.

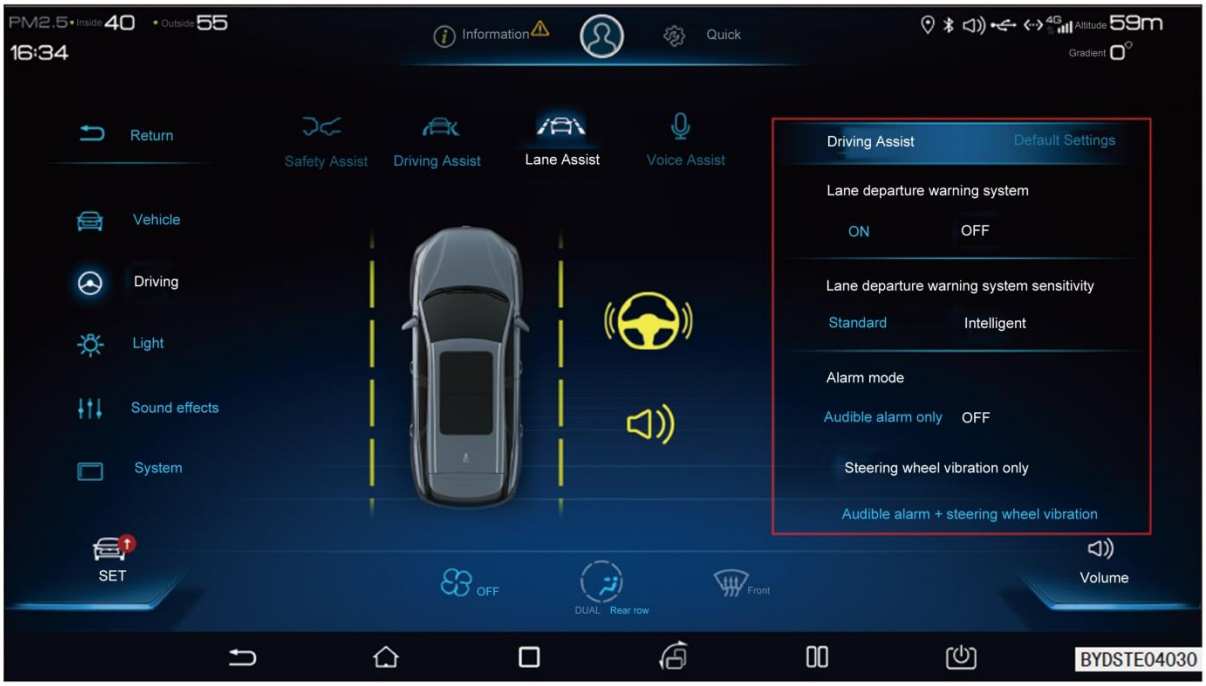
Lane Departure Warning System (If Any)

Introduction to the system

The lane departure warning system identifies the lane lines by using the camera sensor. When the vehicle speed is higher than 60 km/h and the driver unconsciously departs from the lane, the system issues an alarm to alert the driver to driving safety.

Operation method

- You can turn on or off the lane departure warning system directly by operating the functional switch on the driving assist switch set.



- The driver can turn on or off the lane departure warning system through the multimedia system, and select and set the sensitivity and alarm mode of the system.
  - Two sensitivity modes are available for option: intelligent and standard.
  - There are three alarm types: audible alarm, steering wheel vibration, and audible alarm + steering wheel vibration.
- The system memorizes the setting state of the previous ignition cycle by default.

Precautions

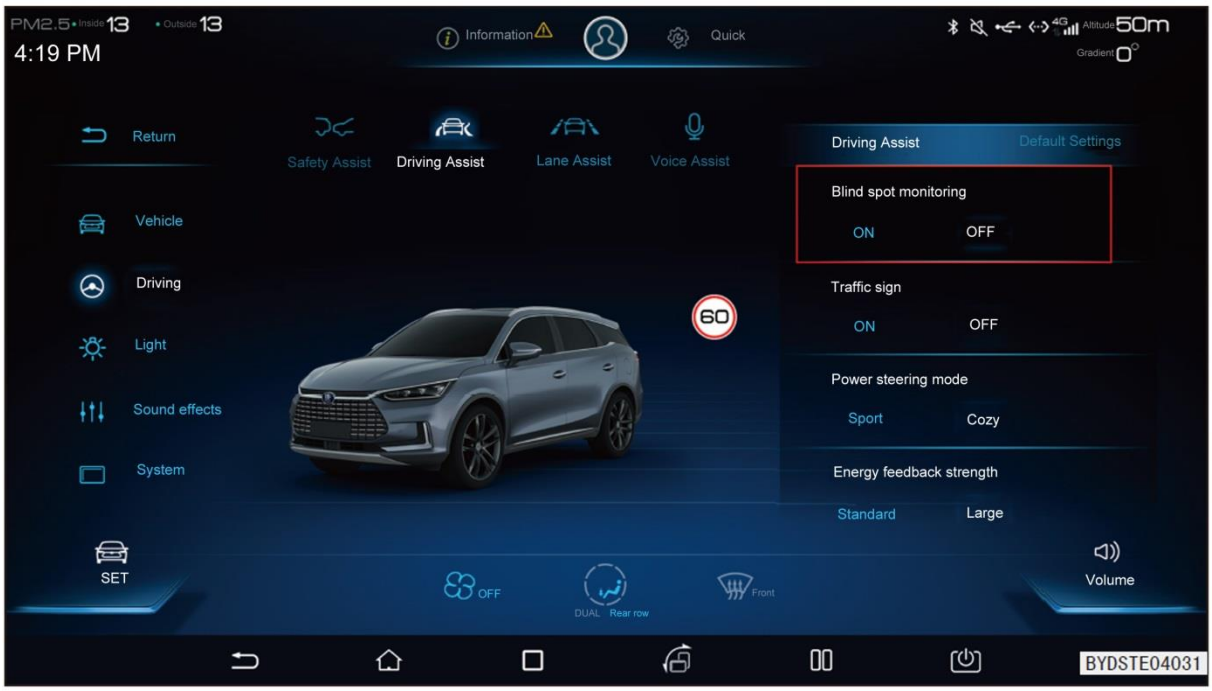
- If you has turned on the hazard warning lights or turn signals for changing lane, the lane departure warning function will be limited.
- If you drive the vehicle rolling on a lane line deliberately, the lane departure warning function will be limited.
- The lane departure warning function is affected by weather, illumination, and clarity of lane line. When you drive in shadowed area, at sunset or on road covered with snow and ice or severely worn, the performance will reduce significantly.

Blind Spot Monitoring System (If Any)

Introduction to the system

The blind spot monitoring system includes three functions: blind spot monitoring, side assist, and rear cross traffic alert. This system mainly utilizes radar sensors to judge the current traffic conditions and timely warns the driver to drive carefully and pay attention to driving safety.

Operation method



You can turn on or off the blind spot monitoring system via the multimedia system. The system memorizes the ON/OFF state of the previous ignition cycle by default.

Blind spot monitoring

- The blind spot monitoring function is implemented by using radar sensors to detect moving vehicles in the blind spots of the exterior rearview mirrors. If any vehicle is in the blind spots, the blind spot monitoring function will alarm depending on the driving conditions to warn you to drive safely.

- Alarm mode
  - With the vehicle running at a speed higher than 30km/h, when the radar sensors detect vehicles in the blind spots of an exterior rearview mirror, the warning indicator on corresponding exterior rearview mirror will illuminate. If the turn signal on the same side is turned on in this case, the warning indicator on the exterior rearview mirror will turn flashing, indicating possible danger if you continues to change land and warning you to drive safely.

Side assist

- The side assist function is implemented by using radar sensors to detect moving vehicles in approaching areas of the adjacent lanes. If any vehicle in these areas is approaching this vehicle rapidly, the side assist function will alarm depending on the driving conditions to warn you to drive safely.
- Alarm mode
  - With the vehicle running at a speed higher than 30km/h, when the radar sensors detect any vehicle in approaching areas of the adjacent lanes is approaching rapidly, the warning indicator on corresponding exterior rearview mirror will illuminate. If the turn signal on the same side is turned on in this case, the warning indicator on the exterior rearview mirror will turn flashing, indicating possible danger if you continues to change land and warning you to drive safely.

Rear cross traffic alert

- The rear cross traffic alert function is implemented by using radar sensors to detect moving vehicles to both sides of the vehicle during reversing and warn you to drive safely if collision risk is posed.
- Alarm mode
  - In the reversing process, if the system determines that the reversing may result in collision with a vehicle approaching from left/right side, the warning indicator on corresponding exterior rearview mirror will flash to warn you of possible danger if you continuous reversing and warn you to drive safely.

Precautions

- The blind spot monitoring function is not a safety system, obstacle detector or collision warning system, but an auxiliary system to improve driving safety. Therefore, a driver must always keep control of the vehicle, drive normally and have full responsibility for the vehicle.
- The blind spot monitoring system can assist the driver in monitoring blind spots of the left and right exterior rearview mirrors but not serve as a substitute for the driver's subjective observation and judgment in driving.
- When a target vehicle is approaching this vehicle from behind at a very high speed, the blind spot monitoring system may not provide sufficient warning function.
- The driver should guarantee the normal operation of the blind spot monitoring system and keep the blind spot monitoring radar mounting areas in good condition. If the areas are covered by much mud, snow, clear the obstructions in time.
- The blind spot monitoring system would not respond to moving pedestrians.

- When the vehicle goes into or out of a curve, the blind spot monitoring function may delay or get hindered. In these conditions, the blind spot monitoring function may not issue warning properly.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, electric motorcycle or pedestrian), the system may not identify the target, resulting in failure to issue warning. Moreover, the detection may be affected by noise or electromagnetic interference, resulting in delay or interference.
- If relevant target vehicles at the rear sides of or behind the vehicle are blocked by obstructions or not properly identified by the system, the blind spot monitoring system will not issue warning.
- If irrelevant targets at the rear sides of or behind the vehicle such as large roadside baffles for road repair, large roadside billboards, reflector in tunnel and other objects with large reflection section are improperly selected as detected target vehicles, the blind spot monitoring system will issue warning.
- When the vehicle is running on a curve with a radius less than 250m or in harsh weather environments such as rainy or snowy days, the blind spot monitoring system may fail or suffer weakened function.
- The calibration radar sensor for blind spot monitoring may be affected by vibration or collision, resulting in performance reduction of the system. In this case, contact a BYD authorised service provider.

Tyre pressure monitoring system

System descriptions

- The tyre pressure monitoring system (TPMS) is an auxiliary system that is installed on the vehicle to perform real-time monitoring of various parameters such as tyre pressure and can display and send alarms through visible and audible signals to improve the driving safety and comfort of the vehicle and reduce the accelerated wear of tyres and energy consumption increase of the vehicle due to under-inflation.
- This system consists of the tyre pressure monitoring module, the tyre pressure monitoring control module, and the display part. To be specific, the tyre pressure monitoring module is installed on the valve of radial tyre (vacuum tyre), the tyre pressure monitoring control module inside the compartment, and the display part realized by instrument.
- Messages on the instrument are divided into vehicle traveling messages and prompt messages. Vehicle traveling messages will be always shown on the instrument if there is no prompt message. The user can select the tyre pressure display interface by pressing the  button on the steering wheel.
- Refer to the vehicle parameters in the vehicle specifications for standard tyre pressure value of the vehicle.

- Pressure data are displayed according to corresponding units. There are three pressure units to be selected, i.e. kPa, psi and bar. If the unit is selected as kPa or psi, the display accuracy of pressure will be 1. If the unit is selected as bar, the display accuracy of pressure will be 0.1. The conversion relations among the three units are 1 (psi) = 6.895 (kPa) and 1 (bar) = 100 (kPa). Pressure units of the four tyres are switched at the same time.
- The temperature data are displayed according to corresponding units. There are two temperature units to be selected, i.e. °C and °F, both of which the display accuracy is 1. The conversion relation between the two is n°C=(9/5•n+32) °F. Temperature units of the four tyres are switched at the same time.

The system has the following characteristics:

- Human-computer interface with humanized design. Messages are displayed on the instrument's liquid crystal screen which is reliable, artistic, practical and simple.
- Alarms of low tyre pressure, abnormal signal and quick air leakage.
- Pressure values of all the four tyres displayed at the same time.
- Changes of tyre pressure monitored in real time.

Basic functions of the system

1. Startup alarm

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

2. Low tyre pressure alarm

- If the pressure of any one of the four tyres is lower than 80% of the standard pressure and the system is in operating state, the TPMS will give a low tyre pressure alarm and indicate the position of the tyre with low pressure.
- Inflate the tyre to standard pressure if a low tyre pressure alarm is heard. The low tyre pressure alarm will be cancelled when the tyre pressure is higher than 95% of the standard pressure.

3. Quick air leakage alarm

- If one or more tyres are leaking and the leakage rate is greater than or equal to 30 kPa/min and the system is in operating state, the TPMS will give a quick air leakage alarm rapidly and indicate the positions of leaking tyres.
- If the vehicle gives tyre leakage alarm, stop the vehicle without delay to check the failed tyre, and drive continuously after confirming that there is no tyre failure.

4. Signal abnormality alarm

When the system is operating, an alarm signal will be given after a fault is detected.

5. Real-time display of tyre pressure

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

Alarm display explanations

The tyre pressure failure indicator is .

Alarm	Display Method	Recommended Operation
Low tyre pressure	1. The tyre pressure failure indicator illuminates 2. The color of tyre pressure value changes to yellow	Check the corresponding tyre to confirm whether it has any slow air leakage, and inflate the tyre to the reasonable pressure range.
Quick air leakage	1. The tyre pressure failure indicator flashes constantly 2. The color of tyre pressure value changes to red	Check the corresponding tyre to confirm whether it has any air leakage.
Signal abnormality	1. The tyre pressure failure indicator stays on after flashing 2. The numerical value of tyre pressure is displayed as "Signal abnormality"	Check if the corresponding tyre pressure monitoring module is normal and if it is in the scope of a large electric field for a long time.
System fault	1. The tyre pressure failure indicator stays on after flashing 2. The message of "Please check the TPMS" is displayed 3. The numerical value of tyre pressure is displayed as "Signal abnormality"	Check if the tyre pressure monitoring module and the tyre pressure control module are normal. Replace the tyre pressure monitoring module or the tyre pressure control module, if necessary.

Precautions

1. The service time of tyre pressure monitoring module is related to such factors as daily running mileage of the vehicle.

2. The tyre pressure monitoring module can transmit such information as tyre pressure to the display at regular intervals. For this reason, if the tyre pressure drops suddenly or a tyre 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 tyre is damaged, or if you suspects that a tyre has been damaged. Stopping the vehicle after an alarm is shown on the display is not recommended.
3. Incorrect installation of the tyre pressure monitoring module will affect tyre airtightness. It is recommended that the tyre pressure monitoring module should be installed and replaced by professional technicians of a BYD authorised service provider according to the requirements in installation instructions.
4. The entire TPMS should be re-matched during tyre rotation or replacement of the tyre pressure monitoring module. It is recommended that the rematch work should be finished by a technician of a BYD authorised service provider. Otherwise, failure of this system will be caused.
5. Inflate or deflate tyres according to tyre pressure values shown on the instrument and standard tyre pressure values and based on actual demand, because tyre pressure values vary along with temperature changes in different regions.
6. At the moment when the vehicle is powered up, the pressure values shown on the TPMS are historical data (those recorded at the moment of power-off last time). When the vehicle speed reaches 30km/h, all pressure values of the four tyres 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 tyre pressure is abnormal. Therefore, it is required to start up the system in static state to check if the tyre pressure complies with the value specified by the manufacturer each time before driving the vehicle. Do not drive a vehicle with abnormal tyre pressure. Otherwise, the vehicle will be damaged or the driver or other persons may suffer personal injury.
- Check the tyre pressure at once if you find that the tyre 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 tyre pressure may damage tyres permanently and increase the possibility of tyre scrapping. Serious damage to tyres may lead to a traffic accident or result in serious personal casualty.

Acoustic vehicle alerting system (engine sound simulator)

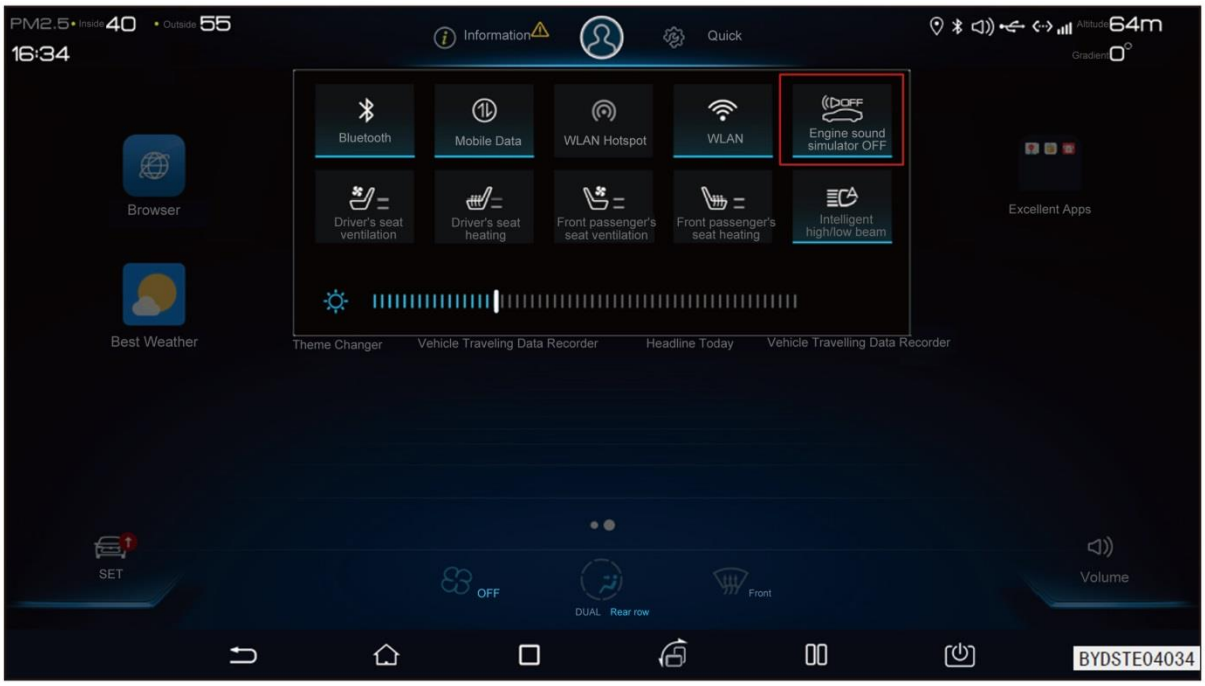
System functions

The acoustic vehicle alerting system (AVAS) 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 driven in D mode:
  - When the vehicle speed is in the range of 0km/h<V≤20km/h, the alerting sound level increases as the vehicle speed increases;
  - When the vehicle speed is in the range of 20km/h<V≤30km/h, the alerting sound level decreases as the vehicle speed decreases;
  - When the speed is V > 30km/h, the alerting sound stops automatically.
- When the vehicle is driven in reverse, the vehicle produces continuous and uniform alerting sound.
- When the vehicle is started, the alerting sound stops automatically no matter whether the vehicle is driven in D or R mode.

System OFF/ON control

The AVAS can be turned on and off by operating buttons on the multimedia screen. The system is on by default when the vehicle is delivered from the vehicle.



Press the "Quick" button on the multimedia home page bar to set the AVAS (engine sound simulator) to OFF/ON.

⚠WARNING

- The AVAS can be turned off only when pedestrians are unlikely to approach the vehicle (for example, in traffic jam or on express highway). As long as pedestrians are likely to be around the vehicle, the AVAS needs to be turned on.
- If the vehicle runs at a low speed with the AVAS off, pedestrians cannot be alerted to the approaching vehicle. This may cause a vehicle accident and even serious personal injury or death.
- If the alerting sound provided by the AVAS cannot be heard when the vehicle runs at a low speed, please pull over the vehicle in a relatively safe and quiet place, open the windows, drive in reverse, and check whether the alerting sound can be heard from the front of the vehicle. If it is confirmed that the alerting sound cannot be heard, it is recommended to contact a BYD authorised service provider for troubleshooting.

All-around View Monitor System (If Any)

- Tap "Panorama" on the home page of multimedia or press the button on the steering wheel to enter the all-around view monitor system interface.

- 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.
- Slowly tap the vehicle image on the left side to switch the view between transparent vehicle and actual vehicle.

⚠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.

Parking Image System (If Any)

- The parking image system helps the driver in parking the vehicle by displaying images of peripheral objects in real time.
- Parking image system is a supplementary method for parking and this system includes the reversing image mode and the front right image mode (if any).

WARM TIP

- This system can be used in combination with interior and exterior rearview mirrors, but excessive dependence on the system should be avoided. When the peripheral space of the parking position is narrow, park the vehicle according to manual commands if necessary.
- Never park the vehicle by watching the screen only. There is always an error between the distance from the object and the plane that you felt from the screen and the actual distance. Parking the vehicle by watching the screen only may result in the crash into other vehicles, pedestrians or obstacles. Be sure to observe the actual peripheral objects before parking the vehicle with help of the parking image system.
- Do not use the system if the trunk lid is not fully closed.
- Both the position and installation angle of the camera will change in the case of a rear-end collision or a crash into any obstacle. In this case, contact a BYD authorised service provider to inspect the position and installation angle of the camera.
- The camera is provided with a dustproof and waterproof structure, so do not remove, disassemble or refit the camera; otherwise, it may be unserviceable.
- If the temperature changes rapidly, the system may not work properly.
- If the camera is contaminated by water stains, snow or mud, wash it with water, and then wipe it with a piece of soft cloth. Wash foreign matters that are hard to be wiped off, e.g. oil stains and rubber, with a soft detergent and water, and then wipe the camera lens with a piece of soft cloth.
- Do not paste any organic solvent, car wax, car window detergent or glass film onto the camera lens. Remove any of these objects at once if pasted due to carelessness.
- Be sure to check peripheral objects of the vehicle, because the image displayed may be blurred or dark. If the outside temperature is too low, the image of a moving object may be distorted or fail to be clear and visible. Take care and check peripheral conditions of the vehicle through rearview mirrors during parking.
- Do not use the parking image system when turning on the turn signals or the hazard warning lights. Please switch off the parking image system if there is flashing light around. The reason for this is that flashing light will lead to the appearance of flashing image on the screen, which may affect you to observe the surrounding environment, even park the vehicle. As a result, an accident may occur.

⚠CAUTION

- Even if all functions of the system are normal, it may be difficult to see any image on the screen in the following circumstances:
  - In darkness (e.g. at night);
  - The temperature near the camera is extremely high or low;
  - The camera lens is contaminated by water drops or the humidity is very high;
  - The camera lens is contaminated by foreign matters (such as snow or mud);
  - The camera lens is scratched or gets dirty;
  - The camera lens is directly exposed to strong light.
- If the camera captures any intense point light source, a light spot will be displayed on the screen. Such light spots will disturb peripheral image, resulting in invisibility of objects.

Application of parking image system

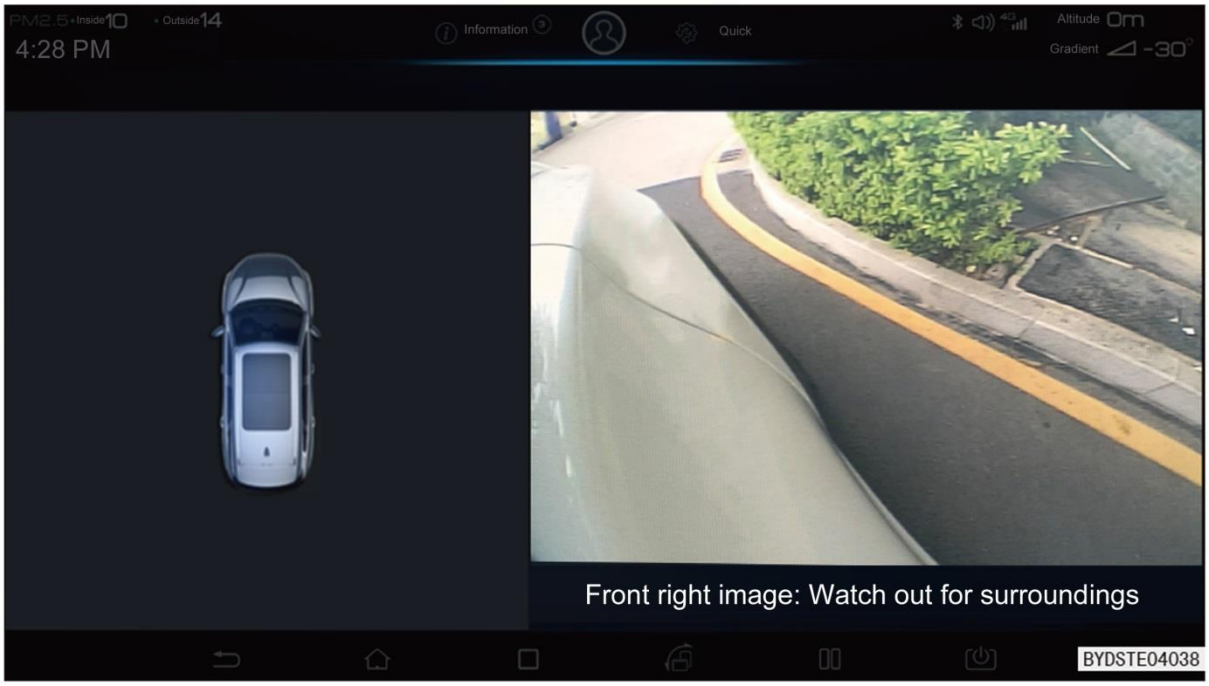
When the power is in the OK mode, the front right image mode can be activated by pressing the button on the steering wheel, and this mode can be deactivated by pressing the button again.

The fields of view of these cameras are limited. The objects close to two corners of the bumper or the object below the bumper cannot be seen on the reversing image, and the objects not far from the front, in the right middle part and at rear side of the vehicle cannot be seen on the right front image,

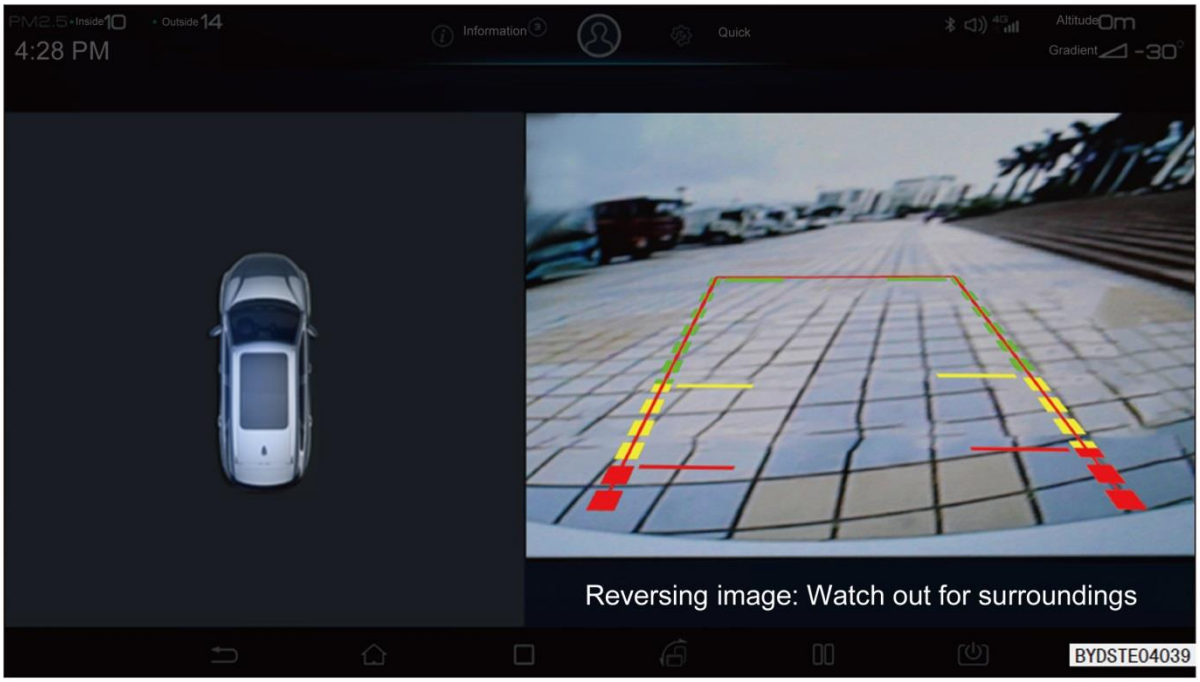
Operations during parking

- The parking image system can be enabled when it is necessary to park the vehicle.
- If it is unnecessary to reverse the vehicle, you can directly enable the front right image mode. Slowly drive the vehicle close to the position to be parked by directly observing the surroundings and applying the parking image system.
- When the power is in the OK mode, place the gearshift lever to R position to start the reversing image mode. You can switch between the reversing image mode and the front right image mode by pressing the button on the steering wheel.

Proportion of images displayed on the touch screen



Front right image



Reversing image

The two lines shown in the figure are safety lines for reversing.

This system only helps for parking and complete dependence on it should be avoided. Remember this when using the reversing image system. Ensure that the space is enough, and then make reversing operations.

WARM TIP

- The safety lines for reversing are only for distance reference in no-load condition of the vehicle.

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

- The reversing sensor power button is on the driving assist switch set.
- When the power is in the OK mode or the gear in R position, the parking assist system will be activated automatically.
- When the parking assist system is off, press the reversing sensor button to activate the system; at this moment, the indicator on the button will illuminate. When the system is on, press this button to deactivate the system; at this moment, the indicator on the button will go out.
- 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.

1 Front right corner sensor

2 Front left and right middle sensors

3 Front left corner sensor

4 Rear right corner sensor

5 Rear left and right middle sensors

6 Rear left corner sensor

Distance display and speaker

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

Operation examples of central sensor

Approximate distance (mm)	Examples of multimedia display	Alarm sound
About 1200~800		Slow
About 800~500		Fast
About 500~300		Continuous

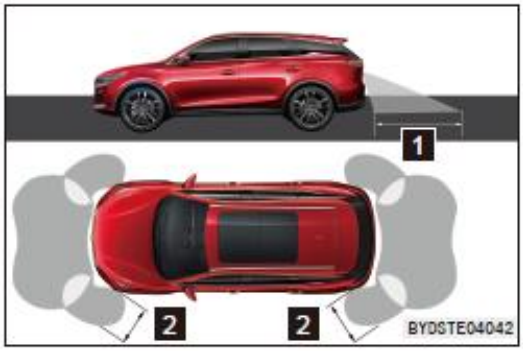
Operation examples of corner sensor

Approximate distance (mm)	Examples of multimedia display	Alarm sound
About 600~500		Fast
About 500~300		Continuous

Working sensor and its detection zone

When you reverse the vehicle, all the sensors will work.

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.



1 About 1,200 mm

2 About 600mm

WARM TIP

- 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.

Sensor detection information

- A sensor's performance in correct detection of obstacles may be affected by some vehicle conditions and the surroundings of the vehicle. The following are some specific conditions that may bring impact:
  - 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 vehicle is installed with towing rings;
- 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 inferior 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.
- The shape of an obstacle may obstruct the detection on it by the sensor. 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;
  - 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 authorised service provider for inspection if such a phenomenon exists continuously.

⚠CAUTION

- Do not wash the positions of sensors with water or steam. Otherwise, a sensor failure will be caused.

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.

ESP (electronic stability program)

ESP integrates three functional modules, i.e. ABS, VDC and TCS, as well as other value-added sub-functions such as HHC, HBA, CDP and HDC.

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 sideslip 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.

⚠WARNING

- TCS may not work effectively in the following circumstances:
  - 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.

HHC (hill hold control)

After the brake pedal is released, HHC can hold the braking force applied by the driver for 1s to allow movement of the driver's foot from the brake pedal to the accelerator pedal in 2s at most, so that backward sliding of the vehicle can be prevented.

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.

CDP (controller deceleration parking) (if any)

When the EPB is pulled up, CDP will start to work and the vehicle will be braked at a constant deceleration (the deceleration will be 0.4g if only the EPB is pulled up and will be 0.8g if the EPB is pulled up and the brake pedal is depressed at the same time) until the vehicle is stopped. If the driver releases the EPB, CDP will stop working.

HDC (hill descent control)

- Working principles of HDC: HDC is a value-added function of ESP system to improve the riding comfort of the vehicle. HDC function may be activated and deactivated by pressing the HDC button. The main effect of HDC is to help the driver to drive uphill/downhill at a low speed by active braking. During HDC operation, ABS will be activated when the wheel slip ratio goes beyond the ABS triggering threshold. This function enables the driver to drive downhill or even reverse in a safe and stable manner.
- Activating HDC function:
  - When the vehicle speed is lower than 38 km/h, the HDC function may be activated by pressing the HDC button. After this function is activated, the HDC function status indicator on the instrument will stay on.
- HDC speed control:
  - HDC function serves when the vehicle speed is in the range of 11~38 km/h. In this case, you can depress/release the accelerator pedal or the brake pedal to adjust the vehicle speed. Finally, the speed will be the value recorded when the accelerator pedal or the brake pedal is released. When HDC works, the flashing HDC function status indicator on the instrument represents that HDC function is activated.
- Deactivating HDC function:
  - When it is unnecessary to activate HDC function, by pressing the HDC button again, the HDC function indicator on the instrument will be off immediately.
  - When the vehicle speed is over 65 km/h, HDC function will also be deactivated automatically.
- Failure of HDC function:
  - In some special cases, such as driving down from a long-distance hill, HDC function may be temporarily unavailable due to over temperature of the brake.

- The instrument will display the prompt message of "Check HDC system" in such a case, and you should pay attention to driving safety. Recovery of HDC function cannot be achieved until the brake cools down.

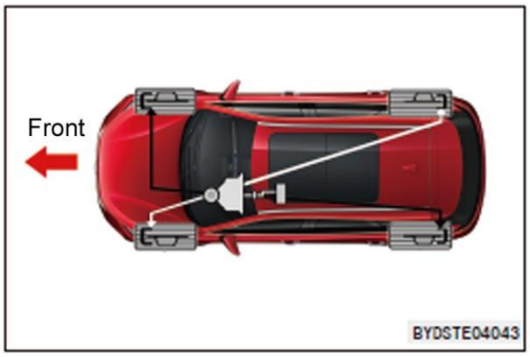
Operating instructions for ESP system

- 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.
- Disabling 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 go out of the trap.
- Turning off ESP system
  - Press and release the ESP OFF button if it is necessary to turn off the ESP system. 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, but will finish the current active intervention control before executing the order.
  - 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.
- Mis-operation of ESP OFF button
  - If the continuous pressing time of ESP OFF button exceeds 10s, the ESP system will regard this as mis-operation. All built-in functions of the ESP system will keep normal.
- Restarting ESP system after the motor is shut down
  - 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, please drive with care.

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

ABS (anti-lock brake system)

- The hydraulic system of the ABS driving brake consists of two circuits (laid out in X form). One circuit connects the left front wheel brake and the right rear wheel brake, and the other circuit connects the right front wheel brake and 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 tyres 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.
- 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.

⚠WARNING

- ABS cannot work effectively in the following circumstances:
  - Tyres with insufficient road holding capacity have been used (e.g. over-worn tyres 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:
  - When driving on a muddy road or a road covered by gravels or snow;
  - When driving on a pitted or uneven road;
  - When driving on a bumpy road.

⚠CAUTION

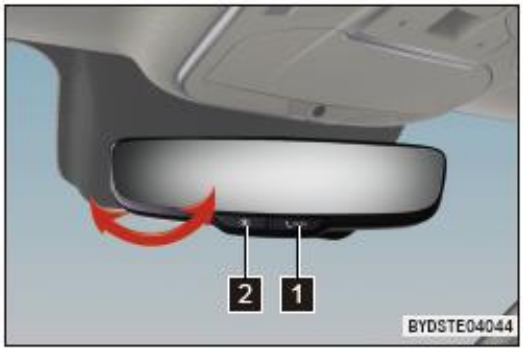
- If the ABS fault warning light remains on when the brake system warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.
- Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become extremely unstable.
- 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.
- 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.

4-6 Specifications of Other Main Functions

Interior Rearview Mirror

The interior rearview mirror of this vehicle is provided with electronic anti-glare system, which can adjust the color of the interior rearview mirror depending on the environment of the vehicle to weaken the disturbance of glare to the drier's rear visual field.

Rotate an interior rearview mirror upward, downward, leftward or rightward to adjust it to a desired position.



⚠WARNING

- 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.

1 E-call  **(if any)**

- 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.

WARM 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 calls the emergency rescue center. To prevent an emergency, the E-call automatic dialing will be treated as accepting call by default.

2 Cloud-call  (if any)

- Cloud-call refers to roadside assistance. When the user's vehicle fails, press this button to send a "roadside assistance" signal to the BYD Intelligent 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 Cloud-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 Intelligent Service Center”. To use the function, the user must press and hold this button for 2s or longer.
- When the user presses the Cloud-call button for 2s or longer, the multimedia will directly call the Intelligent Service Center to guarantee the user's travel. To hang up, tap the  hang up button on the multimedia display screen.
- Remote navigation: When the user does not know a specific location or is not convenient to operate, the user may press the Cloud-call button to request assistance in remote navigation. The Cloud-call service center will position the destination and issue information to the vehicle system. The vehicle system will automatically activate the map and navigate to the destination.

Electric Exterior Rearview Mirrors

The driver can adjust electric exterior rearview mirrors to the extent that vehicle sides can be seen in these mirrors by operating the switch of exterior rearview mirrors.

- Selector switch — for selecting the exterior rearview mirror to be adjusted.
  - : left exterior rearview mirror
  - : right exterior rearview mirror
- Control switch — for adjusting the exterior rearview mirrors. Press the button according to the direction needed.

Manual adjustment

- Press the mirror edge by hand, and then make the mirror rotate around the center until it gets to a proper position.

Folding of exterior rearview mirrors

Manual folding of exterior rearview mirrors

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.

Electric folding of exterior rearview mirrors

- Pressing the button, electric exterior rearview mirrors will fold. Pressing this button again, electric exterior rearview mirrors will unfold.
- When the anti-theft function is activated, both exterior rearview mirrors will fold automatically. When the anti-theft function is deactivated, both exterior rearview mirrors will unfold automatically.

Reversing aid function of exterior rearview mirrors (if any)

When the power is in the OK mode and the vehicle is switched to reversing gear position, the lenses of exterior rearview mirrors will automatically rotate downward for getting a better view of the ground behind the vehicle.

Exterior rearview mirror defrosting

Press the rear windscreen and exterior rearview mirrors defrosting button to turn on the heating sheets in the exterior rearview mirrors to make the exterior rearview mirrors clear.

WARM TIP

- Do not adjust exterior rearview mirrors when the vehicle is running. Otherwise, mis-operation of the vehicle may be caused, resulting in an accident.
- Use of the electric heater defrosting function of the rearview mirror for a long time may cause the mirror to age prematurely; therefore, please turn off the defrosting button in time when defrosting is no longer needed.

Wiper

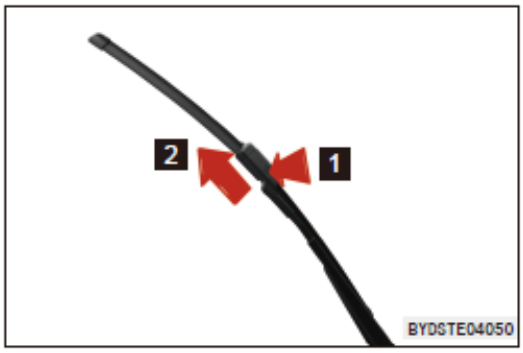
Check the conditions of the front/rear wiper blades at least once every six months to see if there is any cracking or local hardening of the rubber. If any, replace the corresponding wiper blades. Otherwise, the use of defective wiper blades will leave strip patterns or stains on the windscreen.

Replacement of wiper blade

With the vehicle powered up (OK), the front/rear wiper maintenance function is available in the Vehicle Maintenance Information under Vehicle Information of the multimedia system. Turn on corresponding wiper maintenance setting to allow the wiper to rotate out to facilitate wiper maintenance and replacement.

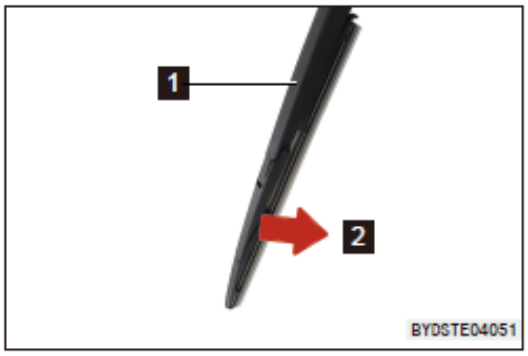
Replacement of front wiper

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 1.
3. Hold the wiper blade clip to take out the wiper blade along the direction 2 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 up the rear wiper arm.
2. Hold position 1 of the wiper arm with hand and pull out the wiper blade vertically in the direction 2 shown in the figure.
3. Install a new wiper blade as per the operations in an order reverse to that for taking out the wiper blade.



⚠CAUTION

- Do not open the front hood when the wiper arm is lifted up. Otherwise, both the front hood and the wiper arm will be damaged.
- Do not directly push the wiper arm to let the wiper blade straightly strike onto the windscreen when laying down the wiper blade after washing the vehicle.
- Do not bend the wiper blade. Do not obstruct the wiper blade when the wiper works.

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 tyres, 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 tyres and other parts in wheel guards.
- Carefully check and read the component assembly drawings and other instructions of the antiskid chain manufacturer.
- It is recommended that you consult the BYD authorised service provider from which you bought the vehicle, before you buy antiskid chains and install them on the vehicle.
- 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 tyres 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.

ⓘWARM 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.
- Avoid sharp turns or wheels lock-up in braking when driving the vehicle equipped with antiskid chains, and slow down before taking turns to avoid the accidents due to loss of control over the vehicle.
- Tyres installed with antiskid chains should be used symmetrically, and those not used should be removed immediately.

5 Interior Devices

5-1 Multimedia System

Multimedia Buttons

When the power is in OK mode, the initial image will be displayed for several seconds and the multimedia system will start to work.

- Turn the knob clockwise or anticlockwise to adjust the multimedia volume.
- Press and hold the knob to restart the multimedia system.
- Press the knob to turn off the audio and enter the screensaver state.

⚠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.

⚠CAUTION

- 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.
- To enable the user to have better experience of the multimedia system's functions (e.g. intelligent voice, APP, video call, etc.), it is recommended to connect the system to the Internet.
- For your driving safety, it is recommended to use the multimedia system with horizontal screen during driving.

5-2 Air Conditioning System

View of A/C Control Panel

Front A/C control panel

1. A/C AUTO button
2. A/C ON/OFF button
3. Front windscreen defrosting button

Rear A/C control panel (if any)

1. Rear A/C TEMP + button
2. Rear A/C LCD screen
3. Rear A/C blower speed + button
4. Rear A/C blower speed - button
5. Rear A/C ON/OFF button
6. Rear A/C air outlet mode selection button
7. Rear A/C AUTO button
8. Rear A/C TEMP - button

A/C Operating Interface

Front A/C operating interface

1 A/C AUTO button

2 Maximum cooling button

3 Compressor control button

4 Internal air recirculation mode/external air circulation mode button

5 Air outlet mode selection button

6 Rear windscreen and exterior rearview mirrors defrosting button

7 Ventilation button

8 Front A/C operating interface button

9 Rear A/C operating interface button (if any)

10 PM2.5 operating interface button

11 Blower speed adjustment button

12 Driver space temperature set button

13 A/C ON/OFF button

14 A/C state icon

15 Front windscreen defrosting button

16 Front passenger space temperature set button

17 DUAL button

18 Temperature set display area

Rear A/C operating interface (if any)

1 Rear A/C ON/OFF button

2 Rear A/C AUTO button

3 Rear A/C air outlet mode selection button

4 Rear button lock

5 Rear A/C blower speed adjustment button

6 Rear A/C temperature set display area

7 Rear A/C temperature set button

Functions

AUTO button

- Front A/C AUTO button 
- Rear A/C AUTO button 
  - To start automatic operation of the A/C, just press the  /  button and the indicator on the button will illuminates, indicating that the automatic operation 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.
  - If any manual control button is pressed in AUTO mode, the corresponding status of the button pressed will be set and other statuses will continue to be adjusted automatically.
  - 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.

ON/OFF button

- Front A/C ON/OFF button 
- Rear A/C ON/OFF button 
  - Press this button to turn on/off the A/C system operating in any mode.
  - Press this button or tap  on the display screen to turn off the A/C. In this case, the other indicators will not illuminate, the air distribution mode keeps unchanged and the air inlet mode turns to internal air recirculation. Press this button again or tap  on the display screen to turn on the A/C.
  - With the A/C off, press this button again or tap  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.

Maximum cooling button 

Tap this 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 

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 

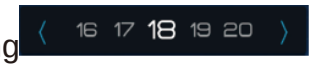
Press this button to set the air inlet mode to internal air recirculation, with the air inlet mode icon turning from external air circulation to internal air recirculation. Press this button again to set the air inlet mode to internal air recirculation, with the air inlet mode icon turning from internal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

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.

Temperature set button

- Front A/C temperature setting 

  - Independent mode: this mode is for separately setting temperature for the driver's space and the front passenger's space.
  - Linkage mode: this mode enable the driver to set the temperature for the driver's space and the front passenger's space at the same time. This mode is deactivated when the front passenger's space temperature is set separately.
  - Tap the right arrow (or tap the temperature display area and swipe rightward) or left arrow (or tap the temperature display area and swipe leftward) on the display screen to increase or decrease the set temperature.
  - 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.
- Rear A/C temperature setting 

  - Tap the right arrow (or tap the temperature display area and swipe rightward) or left arrow (or tap the temperature display area and swipe leftward) on the display screen to increase or decrease the set temperature.
  - Press the  button to increase the temperature.
  - Press the  button to decrease the temperature.

Front windscreen defrosting button 

- By pressing this button, the indicator on the button will illuminate and the air flow mainly comes from the air vent of front windscreen. By pressing this button again, the indicator on the button will go out and the air supply mode will return to the status used last time.

- By pressing this button, 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.

A/C state icon 

- The current A/C state (air outlet mode, blower speed level, dual state, rear A/C on or off) is displayed.
- Tap this icon to switch the multimedia display screen to the A/C operating interface.

Blower speed regulation

- Front 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 "OFF" button to stop the blower.
- Rear 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 to increase the blower speed.
  - Press the  button to decrease the blower speed.

DUAL button 分 控

Tap this button to switch from independent mode to linkage mode.

- Independent mode:
  - This mode is for separately setting temperature for the driver's space and the front passenger's space. When the independent mode is selected, the DUAL button will be highlighted.
- Linkage mode:
  - This mode is for simultaneously setting temperature for the driver's space and the front passenger's space through the adjusting button at the driver's side. In the linkage mode, the DUAL button will be grayed out.

Rear button lock 后排按键锁

- Tap 后排按键锁 on the screen to lock the rear A/C, disabling the rear A/C control panel buttons as well as other buttons on the rear A/C operating interface.
- Tap 后排按键锁 again to enable the rear A/C control panel buttons as well as other buttons on the rear A/C operating interface.

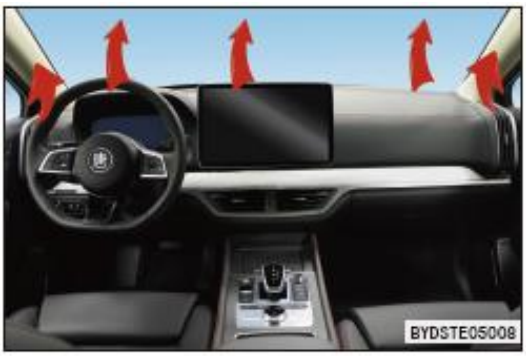
Air supply mode

- Front A/C 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.
  - The air outlet mode may be adjusted according to the following explanations of corresponding diagram:

– Air will flow to the face level.

– Air will mainly flow to the footwell.

– Air will flow to the front windshield and side windows.



- Rear A/C air outlet mode selection button
  - Press this button to select the air outlet modes "→ → " in turn.

Main Points of Operation

- In order to make the vehicle that has been parked in the sun cool down quickly, it is recommended to drive the vehicle with windows open for several minutes. In this way, the heat in the vehicle can be exhausted and the air conditioner can accelerate interior cooling.
- Make sure that the air inlet grille in front of the windshield is not blocked (by leaves or snow).
- In damp environment, do not direct cold air to the windscreen directly to prevent the windscreen from misting due to inconsistent inside and outside temperatures.
- Be sure to keep the part under front seats open and unblocked, so that the air inside the vehicle can be fully circulated.
- In cold weather, the blower speed must be set to a high value for continuous working for some time to clear the accumulated snow or moisture at the air inlet, so that window misting can be reduced.
- In is recommended to close all windows when following other vehicles on a dusty road or driving in a windy and dusty environment. If the dust raised by other vehicles also enters the vehicle even if all windows are closed, it is recommended to set the air inlet mode as internal air recirculation mode and set the blower speed at any position other than "0".

Heating

To get the best effect, the A/C control panel should be set as follows:

- Automatic operation
  - Press the "AUTO" button;
  - Temperature: set to the temperature needed;
  - Air intake mode: external air circulation mode (outside air);
  - : turn off.
- Manual operation
  - Blower speed: set to the blower speed needed;
  - Temperature: set to a high temperature;
  - Air intake mode: external air circulation mode (outside air);

- Air supply mode: ;
- : turn off.

■ To realize fast heating, select the internal air recirculation mode for several minutes. In order to prevent the generation of window mist, select the external air circulation mode for air intake when the temperature of compartment rises up.

■ During heating, pressing the button can reduce the moisture in air flow.

■ The air supply mode "+" can be selected to make the temperature of compartment rise up during defrosting or demisting of the windshield.

Refrigeration

To get the best effect, the A/C control panel should be set as follows:

■ Automatic operation

- Press the "AUTO" button;
- Temperature: set to the temperature needed;
- Air intake mode: external air circulation mode (outside air);
- : turn on.

■ Manual operation

- Blower speed: set to the blower speed needed;
- Temperature: set to a low temperature;
- Air intake mode: external air circulation mode (outside air);
- Air supply mode: ;
- : turn on.

■ Set the temperature to the lowest value and set the air inlet mode to internal air recirculation mode for several minutes to realize fast cooling.

VENT

To get the best effect, the A/C control panel should be set as follows:

- Automatic operation
  - Press the "VENT" button;
  - Air intake mode: external air circulation mode (outside air);
  - : turn off.
- Manual operation
  - Blower speed: set to the blower speed needed;
  - Air intake mode: external air circulation mode (outside air);
  - Air supply mode: ;
  - : turn off.

Demisting and Defrosting

Inner side of windscreen

To get the best effect, the A/C control panel should be set as follows:

- Automatic operation
  - Temperature: set to a high temperature (for heating);
    set to a low temperature (for cooling);
  - Air intake mode: external air circulation mode (outside air);
  - Air supply mode: .
- Manual operation
  - Blower speed: set to the blower speed needed;
  - Temperature: set to a high temperature (for heating);
    set to a low temperature (for cooling);

- Air intake mode: external air circulation mode (outside air);
- Air supply mode: .

- By pressing this button, the demisting function will be activated and the compressor will also be turned on. In this case, no matter whether the compressor is operated or not, the compressor will be turned on, so that the front view can become clear more quickly.
- By pressing this button again, the air supply mode will return to the status used last time.
- Do not let cool air flow to the windshield in wet weather, because the difference between temperatures inside and outside the windshield will aggravate mist accumulation on the windshield.

Outer side of windscreen

To get the best effect, the A/C control panel should be set as follows:

- Automatic operation
  - Temperature: set to a high temperature;
  - Air intake mode: external air circulation mode (outside air);
  - Air supply mode: .
- Manual operation
  - Blower speed: set to the blower speed needed;
  - Temperature: set to a high temperature;
  - Air intake mode: external air circulation mode (outside air);
  - Air supply mode: .
- The air supply mode "+" can be selected to make the temperature of compartment rise up during defrosting or demisting of the windshield.

Rear windscreen and exterior rearview mirrors demisting

- When the power is in the OK mode, press this button to enable the rear windscreen and exterior rearview mirror demisters to operate.
- The fine electric heating wires on the inner side of rear windows 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 is cleaned, press this button again to turn off the demister. If this function is used continuously, the start Fe battery will discharge, especially during stop-and-go driving. The demisters are not used to dry raindrops or melt snow.

⚠WARNING

- Do not touch the mirror surface after pressing the demister switch, because the surfaces of exterior rearview mirrors may be heated.

⚠CAUTION

- When cleaning the inner side of the rear windscreen glass, take care not to scratch or damage the electric heating element and its joint.
- Be sure to turn off the demister button when the drive motor does not work, so as to prevent the start Fe battery from discharging.

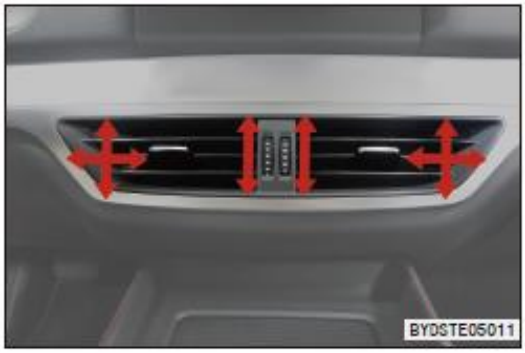
WARM TIP

- 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.
- Odor prevention methods:
  - Turn off the A/C for natural ventilation before stopping the vehicle to keep it relatively dry;
  - Inspect, clean or replace the filter screen at regular intervals;
  - Keep the interior of vehicle clean and air fresh to the greatest extent.
- If the odor still exists after using such odor prevention methods, immediately contact a BYD authorised service provider for service and maintenance.

Air Outlet

Front central air outlet

- The air output can be adjusted or the air outlet can be opened or closed by adjusting the knob.
- The angle of air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.



Front side air outlet

- The air output can be adjusted or the air outlet can be opened or closed by adjusting the knob.
- The angle of air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.

Ceiling air outlet (if any)

The angle of air outlet can be adjusted and the air outlet can be closed by operating the adjusting sheet at the center of the air outlet.

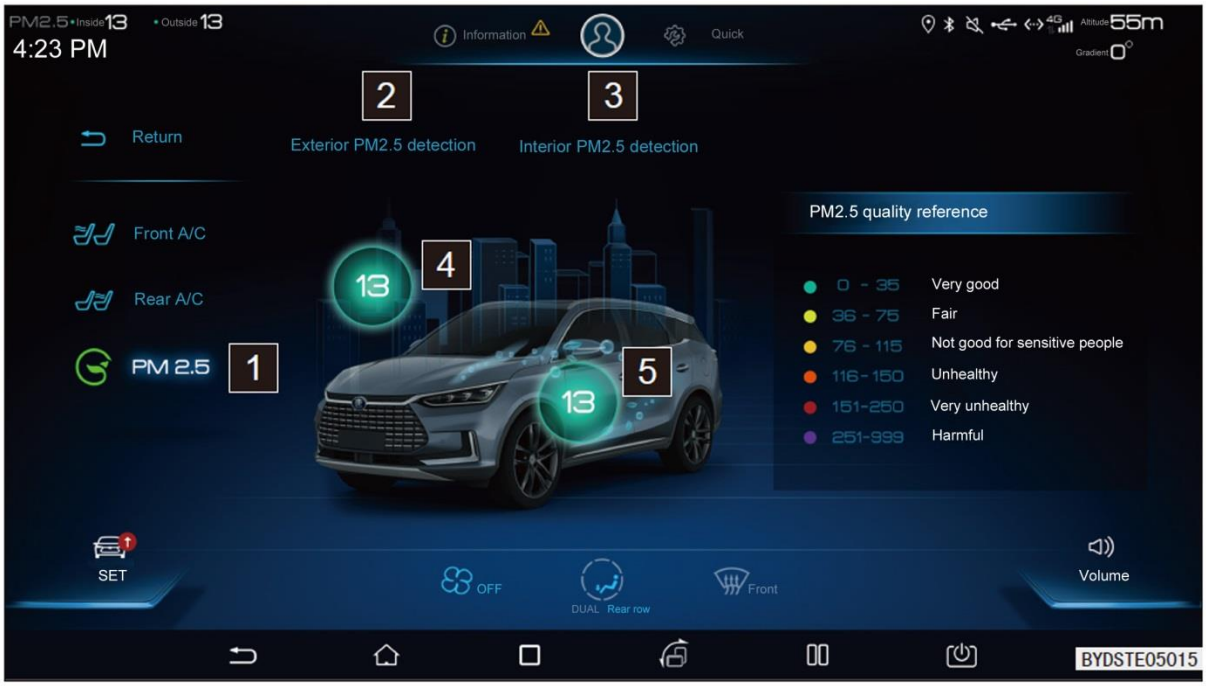
Rear air outlet (if any)

- The air output can be adjusted or the air outlet can be opened or closed by adjusting the knob.
- The angle of air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.

Green Air Purification System

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 flown into the compartment can be deeply purified.

PM2.5 operating interface



1 PM2.5 operating interface button

2 Exterior PM2.5 detection button

3 Interior PM2.5 detection button

4 Display of exterior PM2.5 value

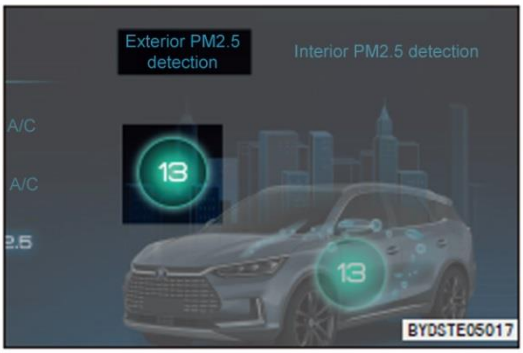
5 Display of interior PM2.5 value

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.

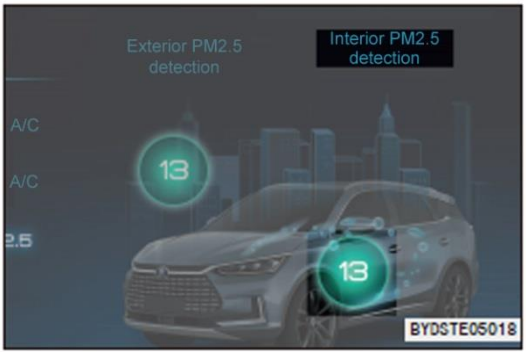
EXT PM2.5

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.

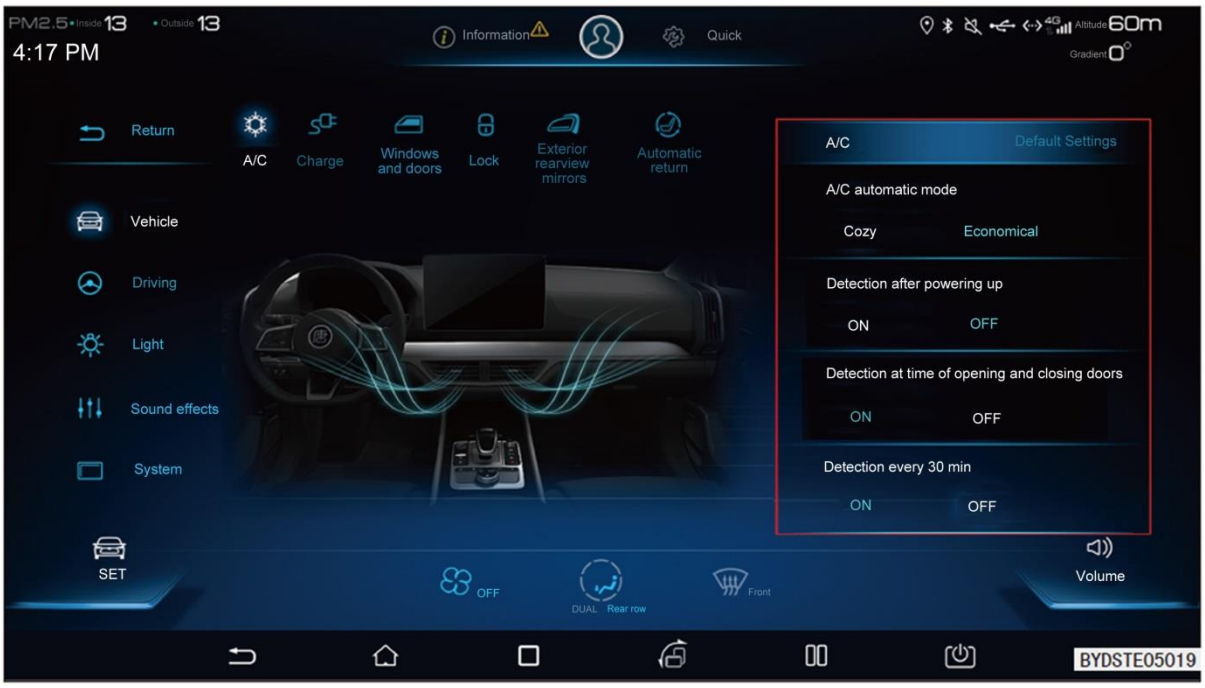


INT PM2.5

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 30s later, display the detected average.



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



- To set automatic detection of interior and exterior PM2.5, tap "A/C" on the "Vehicle Settings" interface to enter the PM2.5 setting interface. You can set the "Detection after powering up ON/OFF", "Detection at time of opening and closing doors ON/OFF" and "Detection at every 30 min ON/OFF" separately and independently. In the automatic detection mode, the interior detection will run for 30s and then the exterior detection will run for 30s.
- When the A/C is on, the interior and exterior PM2.5 detection system will start automatically. Interior PM2.5 detection will be carried out first, and then the system will switch to exterior PM 2.5 detection automatically.

WARM 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 PM2.5 detection frequency should be reduced in the following environments:
  - Extremely severe environment, such as sand storm;
  - Cold regions (with the ambient temperature < -20°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.

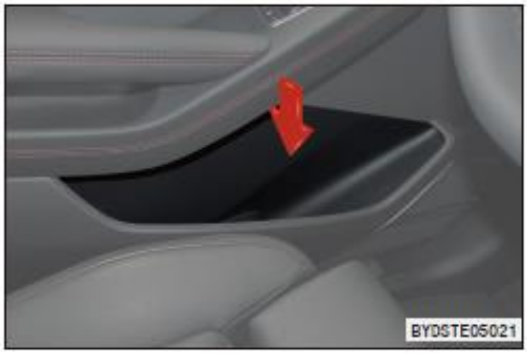
5-3 Storage Devices

Bill Box

- Pull the handle of bill box to open it.
- Invoices, business cards, etc. may be put in the bill box. Do not put large or heavy objects in the bill box, because these objects may result in the failure of closing the bill box.
- Be sure to keep the bill box closed when the vehicle is running.

Storage Boxes on Doors

Each door is equipped with a storage box for storing beverage bottles or small objects.



Glove Box

- Pull the handle of glove box to open it.
- To close the glove box, push it upward.

Roller shutter storage box

- Slide the roller shutter to open or close the roller shutter storage box.
- You may put your vehicle key, water cup, mobile phone and other items into the box after opening it.
- When the roller shutter is closed, do not place any heavy object directly on the roller shutter to avoid deforming or damaging it.

Central armrest storage box

- The central armrest can be slid forward/backward.
- Slide the central armrest forward/backward in the direction of the arrow and set it to a comfortable position that suits you.
- Lift the armrest storage box directly to open it.

WARM TIP

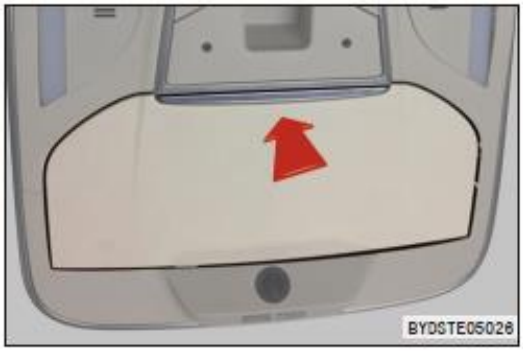
- Be sure to keep the central armrest storage box closed to reduce the possibility of personal injury during an accident or emergency brake.

File Pocket

File pockets are provided at the back of front seats for storing magazines and newspapers.

Glasses Case

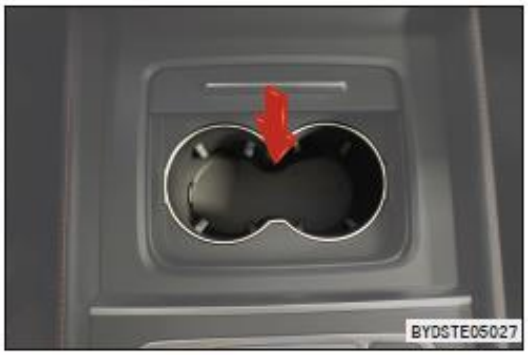
Press the glasses case cover to open the glasses case.



Cup Holder

Front seat cup holder

The front seat cup holder is in the roller shutter storage box.



Middle seat cup holder

Press the front end of the middle seat armrest to eject and deploy the cup holder mechanism, on which beverage, cup and other items can be placed.

To retract the cup holder, press it inward in the direction of the arrow until it clicks and gets locked up.

Rear seat cup holder (if any)

The rear seat cup holders are in the inner parts of both sides of the rear seat.

⚠CAUTION

- When using the cup holder, to prevent liquid content from splashing out and scalding you or any passenger, do not start or brake the vehicle suddenly.
- Do not put an open cup or bottle not tightened into the cup holder to avoid splash of liquid during opening/closing of a door or driving.
- To ensure driving safety, the driver should never take a cup from or put it into the cup holder.

5-4 Other Devices

Sun Visor

- 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.

WARM TIP

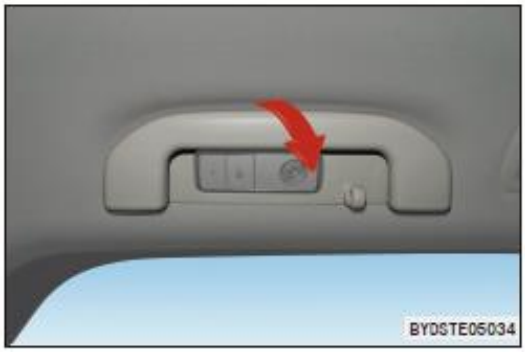
- Reasonable and proper use of the sun visor can increase the driving comfort and safety.

Vanity Mirror

- Vanity mirrors are installed on sun visors for the driver and the front passenger.
- When you need to use the vanity mirror, turn down the sun visor and open the mirror.
- The vanity mirror indicator will illuminate when the mirror is open.

Safety Handle

To use the safety handle, pull it down. Release the safety handle and it will return to position.



Clothes hooks

The safety handles on both sides of the middle seat are provided with clothes hooks for hanging clothes and such others.

⚠CAUTION

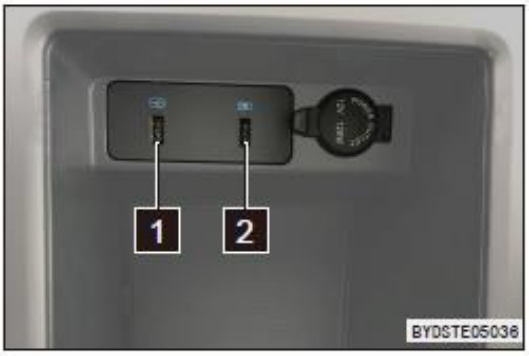
- Please hang clothes on the hooks directly. Do not hang other items (such as coat hangers or sharp items) on the clothes hooks. Otherwise, when the curtain air bags (if any) deploy, these items will be flung out due to high impact force or the curtain air bags will be prevented from deploying.

USB Port

The central armrest storage box has 2 ports inside.

1 USB Port

2 USB charging port



12V Backup Power Supply

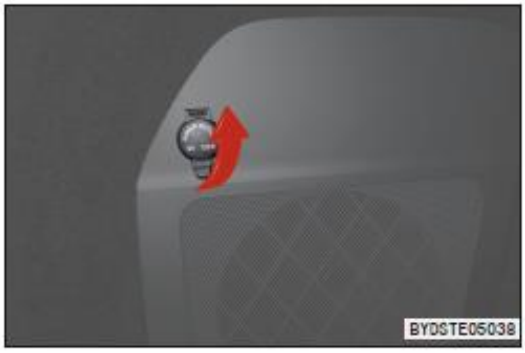
- The backup power supply can provide power for accessories whose current is less than 10A and power less than 120W.
- The 12V backup power supply is for providing power for vehicle accessories.
- When using the 12V backup power supply, open its cover and keep the vehicle's power button in "OK" position.

Front 12V power supply

The front 12V power supply is in the central armrest storage box.

Rear 12V power supply

The rear 12V power supply is in the trunk. (The position of the power supply will vary slightly depending on the actual configuration and is subject to the actual vehicle)



⚠CAUTION

- To prevent causing a blown fuse, the power consumption must not exceed the total load capacity of the vehicle (12V/120W).
- To prevent causing dead start Fe battery, do not use the 12V backup power supply for a long time when the drive motor is not running.
- Close the cover of 12V backup power supply when the 12V backup power supply is not in service. Do not insert any object other than a proper plug into the socket of 12V backup power supply or allow any fluid to enter the socket. Otherwise, an electrical failure may be caused.

Power supply port

- The interior discharging socket (if any) is located behind the central armrest storage box. It has a rated output of 220V 10A. Low-power electrical equipment can be used by connection to the socket.
- The USB port can only be used for charging and not for connection to the multimedia system.

Luggage sunshade (if any)

- The luggage sunshade can be used to cover luggage to protect privacy and avoid direct sunlight.
- Align one end of the luggage sunshade with the groove in the upper shield of the C-pillar and insert it. Press the other end of the luggage sunshade to the end and insert it into corresponding groove in the upper shield of the C-pillar on the other side. Hold the handle at the rear end of the luggage sunshade, pull out the sunshade fabric, and hang the stop posts at both ends of the sunshade fabric in corresponding chutes at the rear ends of the upper shields of the C-pillar.
- The luggage sunshade can be removed in an order reverse to its installation.

⚠WARNING

- Make sure that the luggage sunshade is installed firmly during installation.
- Do not place any object on the luggage sunshade.
- Do not allow children to climb onto the luggage sunshade; otherwise, the luggage sunshade may be damaged or the children may be seriously injured or even die.

Trunk lid cover hook (if any)

The hook is attached to the inner side of the trunk lid cover. To use the hook, open the trunk lid cover, remove the hook, and hang it in the position shown in the figure to facilitate picking and placement of objects in the trunk.

6 Service and Maintenance

6-1 Instructions for Maintenance

Period and Contents of Maintenance

Maintenance Schedule

Time Interval for Maintenance	Readings on Odometer or Number of Months, Whichever Comes First [EV]															
	X1000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5	120
	(miles / km)	/12	/24	/36	/48	/60	/72	/84	/96	/108	/120	/132	/144	/156	/168	/180	/192
Item	Number of Months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Check and tighten the chassis fixing screws	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the brake pedal and EPB	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check brake pads and brake discs	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the pipeline and hoses of brake system	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check guide pins of brake caliper assembly.		I		I		I		I		I		I		I		I
Check the steering wheel and the gearshift lever	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check the dust cover of transmission shaft	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check the ball pin and the dust cover	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check front and rear suspension devices	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check tyres and restarting pressure (including TPMS)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the alignment of front and rear wheels	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Tyre rotation	I	R	I	R	I	R	I	R	I	R	I	R	I	R	I	R
Check whether there is any play in wheel bearing	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌	I	▌
Check the level of antifreeze in the expansion tank	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Replace the 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.															

Time Interval for Maintenance / Item	Readings on Odometer or Number of Months, Whichever Comes First [EV]															
	X1000	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105	112.5	120
	(miles / km)	/12	/24	/36	/48	/60	/72	/84	/96	/108	/120	/132	/144	/156	/168	/180	/192
	Number of Months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Check the brake fluid	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
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 vehicle (clearing after recording)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the power battery tray and bumper	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Capacity testing and calibration	Every 72,000 km or 6 months															
Check and replace the gear oil in 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 has any fluid leakage and bumps	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether the high-voltage wiring harness or connector gets loose	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check to the whether the high-voltage module is deformed and whether it has any oil fluid on the surface	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether all joints of the charging coupler have any foreign objects or ablation	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Replace the A/C coolant	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 ordinary filter screen (if any)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Time Interval for Maintenance / Item	Readings on Odometer or Number of Months, Whichever Comes First [EV]															
X1000 (miles / km)	7.5 /12	15 /24	22.5 /36	30 /48	37.5 /60	45 /72	52.5 /84	60 /96	67.5 /108	75 /120	82.5 /132	90 /144	97.5 /156	105 /168	112.5 /180	120 /192
Number of Months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Check the high-efficiency filter (if any)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the filter screen for PM2.5 rapid detector (if any)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the electrostatic filter (if any)	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether all light bulbs and LEDs illuminate normally	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether the light adjustment function for headlights is normal	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Calibration of initial downward inclination of low beams	Calibrate it once every 10,000 km of vehicle running mileage															
SRS module, ECU and sensors	Replace them every 10 years.															
Check whether the GND point of EPS has any foreign objects or ablation	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether the EPS connector gets loose and whether the connector pins have been ablated	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check whether the surface of EPS ECU has been corroded	I		I		I		I		I		I		I		I	
Check if any software updating kits of complete vehicle modules exist. Update them if any.	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Time Interval for Maintenance / Item	Readings on Odometer or Number of Months, Whichever Comes First [EV]																
	X1000 (miles / km)	7.5 /12	15 /24	22.5 /36	30 /48	37.5 /60	45 /72	52.5 /84	60 /96	67.5 /108	75 /120	82.5 /132	90 /144	97.5 /156	105 /168	112.5 /180	120 /192
	Number of Months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Check if the HV components have any traces of waterlogging		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the front hatch lock and its fasteners		Every year															
Remarks		For item 1, timely change any unexpectedly damaged chassis parts.															

- Definitions of symbols in the table above are as follows:
  - I = If necessary, check, adjust or replace;
  - **I**= Items to be added for severe conditions;
  - R = Replace
- The vehicle must be maintained normally in accordance with the maintenance schedule.

WARM 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 authorised service provider to test and calibrate the battery capacity.

- Maintenance items should be added according to the maintenance schedule in 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;

- The vehicle has served in an urban area which features traffic congestion at a temperature above 32 °C for more than 50% of the total service time.
- The vehicle has served at a speed of more than 120 km/h at a temperature above 30 °C for more than 50% of the total service time.
- The vehicle has been overloaded frequently.

■ Specified maintenance records:

- It is recommended that you should request the BYD authorised service provider to fill all specified maintenance records in the table, and properly keep all receipts related to the maintenance of your vehicle.

Specifications for maintenance of components

Item		Model	Filling capacity
Brake fluid type		DOT4	961±10ml (fixed caliper)/ 877±10ml (floating caliper) (Note: the fluid level should be higher than the "MAX" mark by 0~10mm)
Coolant model	Motor coolant	Long-acting organic acid coolant -20°C (summer)/-40°C (winter)	Two-wheel drive: 6.43L Four-wheel drive: 9.7L
	Battery coolant	Antifreeze freezing point: -40°C	3.4±0.2L
Transmission GEAR OIL	NT33	Shell S3-ATF-MD3	0.85±0.1L
	NRT33	Shell S3-ATF-MD3	0.95±0.1L

6-2 Regular Maintenance

Regular Maintenance

Vehicle maintenance

- Pay attention to changes of the vehicle's performance and sound, as well as intuitive signs indicating the demand of inspection and repair. If any of the following conditions occurs, drive you vehicle to a BYD authorised service provider as soon as possible, because the vehicle may need to be adjusted or repaired.
  - There is an unexpected noise when the motor is getting started;
  - Coolant is overheated all the time, stagnated or leaking.
  - Motor is working unfavorably and making unexpected noise.
  - The motor runs with excessive vibration.
  - The motor fails to start.
  - There is fluid leaking in the electric powertrain.
  - There is an odor from the electric powertrain.
  - The power significantly reduces;
  - Fluid drips underneath the vehicle, which might indicate a leak (except for dripping after using air conditioner);
  - There is a flat tyre, an unexpected noise from the tyre when the vehicle is turning a corner, or uneven wear on the tyre surface.
  - The vehicle inclines to one side while running in a straight line on flat ground.
  - There is an unexpected noise arising from the displacement of suspension system.
  - The brake system fails to work, there is a soft feeling like sponge from brake pedal or clutch pedal, pedal almost falls on floor, or the car moves off tracking when being braked.
  - There is a continuously rise in temperature of motor coolant.
  - There is a significant degradation in endurance.
  - A high battery temperature lasts for a long period of time, triggering overheating protection and resulting in no power output.

WARM TIP

- To avoid serious vehicle damage and personal injury, do not continue driving a vehicle found with above mentioned situations but uninspected.

Vehicle Maintenance Schedule

- 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.
- Maintenance should be in accordance with the standards and specifications of BYD Auto Industry Co., Ltd. You are recommended to have the maintenance conducted at a local BYD authorised service provider.
- 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.

CAUTION

- 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 authorised service provider for repair.
- Checking the interior of compartment
  - 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.
- 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

- 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.
- 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.

⚠CAUTION

- 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 raining.

Manual washing

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

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.

WARM 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 a blade to scrape or gasoline to remove dirt on the vehicle body. 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.
- Be careful and do not get your hand cut when washing the part under the floor or the chassis.

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 car washing station before washing your vehicle to ascertain which car washing procedure is the safest for the vehicle's painted surface.

Interior Cleaning

WARM TIP

- Do not let water flow onto the vehicle floor or dashboard when washing the interior or exterior of the vehicle. Ingression of water into nearby electrical appliance components may cause malfunction.

Carpet

- Use a high-quality foam detergent to clean the carpet.
- 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.

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.

CAUTION

- 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 before it becomes dry.

Doors and windows

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

⚠CAUTION

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

A/C control panel, audio system, dashboard, control panel and switches

- 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.

⚠CAUTION

- 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 car 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.
- Consult the local BYD authorised service provider if you have any doubt about washing the vehicle.

⚠CAUTION

- 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.

6-3 DIY Maintenance

DIY Maintenance

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. The following are some precautions that must be observed.

WARM TIP

- If the motor is very hot, do not remove or loosen the expansion tank cover, so as to prevent burn.
- Do not smoke inside or near the vehicle, so as to avoid producing spark or open flame, which is liable to cause a fire.
- Take special care when handling the start Fe battery, because it contains toxic and corrosive sulfuric acid.
- Nobody is allowed to get to the place below the vehicle when it is only supported by a jack. Be sure to prop up the vehicle with a vehicle support 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.

⚠CAUTION

- Take care not to cause a short circuit as some circuits, components and parts of the vehicle carry high current or high voltage.
- 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.

Inspection

Check the following items in accordance with the vehicle's service conditions or the specified vehicle running mileage:

1. Coolant level — check the expansion tank of radiator every time the vehicle is charged.
2. Windscreen washing fluid — check the remaining level of washing fluid in the fluid reservoir once a month. If washing fluid is frequently used due to bad weather, check the fluid level every time the vehicle is charged.
3. Windscreen wiper — check service conditions of the wiper once a month. If the wiper fails to wipe clean the windscreen, check if it has any wear, cracks or other damage.
4. Brake fluid level — check the level once a month.
5. Brake pedal — check whether the brake pedal can be operated freely.
6. EPB switch — check if all functions of the switch are normal.
7. Start Fe battery: check service conditions of the battery and the corrosion situations of terminals once a month.
8. Air conditioning system — check running conditions of the A/C every week.
9. Tyres — check the tyre pressure once a month. Check wear conditions of tyre surfaces and check if any foreign objects are embedded in tyres;
10. Windscreen defroster — check the air outlet of defroster every month when using the heating device and the A/C.
11. Lights: check the conditions of headlights, auxiliary lights, taillights, high-mounted brake lights, turn signals, rear fog lights, brake lights and license plate lights once a month;
12. Doors — check if the trunk lid and all other doors (including rear doors) can be opened/closed freely and locked firmly.
13. Horn — check if the horn is normal.

WARM TIP

- To avoid serious vehicle damage and personal injury, do not continue driving a vehicle found with above mentioned situations but uninspected.

Lights

Calibration of headlights

- Before delivery of a new vehicle from the factory, the headlights have been calibrated. If you often use the vehicle to carry heavy objects, the headlights may need to be re-calibrated. It is recommended to have headlights calibrated by a BYD authorised service provider.

Moisture in lights

- After heavy rain or washing, the headlights, tail lights or turn signals in exterior rearview mirrors may have moisture appearing inside. This phenomenon is similar to condensation on inner side of windows in raining and does not indicate a fault in your vehicle.
- Each light is a relatively confined and narrow space and when it is lit, its temperature will become very high (cover, mirror and others are liable to deform at a high temperature); therefore, heat dissipation is needed for the lights. To meet the requirements of heat dissipation of the lights when lit, heat dissipation holes are provided in each light housing for heat dissipation via convection with the surroundings. A higher temperature difference will cause more active convection. During convection, water vapor in the air will inevitably enter the light. Affected by factors such as sun exposure, convection and bulb heating, water vapor in the air is liable to condense into mist or water drops when encountering light surface with a lower temperature, known as vehicle light condensation.

WARNING

- When the headlight bulbs illuminate, they will become very hot. Grease, sweat or scratches on the surface of the bulbs will cause the headlights to overheat and break.

WARM TIP

- If moisture appears on the inner side of the headlights or turn signals in exterior rearview mirrors, the reason may be high air humidity or large difference between inside temperature and outside temperature. In this case, turn on the headlights or turn signals when driving; the moisture in the lights will disappear a short time later.
- If there is obvious accumulated water in any light, it is recommended to drive the vehicle to a BYD authorised service provider for maintenance.

Storage of Vehicle

The following preparations should be made if it is necessary to store the vehicle for a long period (of more than one month). 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.

- Please charge in time.
- 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.
- If it is necessary to store the vehicle for a long period, jack up the vehicle body with a jack to make all tyres leave the ground.
- Open a vehicle window for a little gap (in the case of indoor storage).
- Disconnect the negative terminal of the start Fe battery.
- 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.
- Start the vehicle regularly (preferably once a month) if possible. If the vehicle has been parked for a year or longer, it is recommended to carry out a maintenance for the whole vehicle at a BYD authorised service provider.

WARM TIP

- To ensure the performance and normal power supply of the power 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

Panoramic sunroof maintenance method

1. 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;
2. 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;
3. 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;
4. 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;
5. 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;
6. 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.
7. 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.

Ordinary sunroof maintenance method

1. Wipe the dust or sand off the sealing strip with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
2. Wipe the dust or sand around the roof sheet metal with a wet cloth to avoid abrading the sealing strip when the sunroof is closed, resulting in a decrease in the sealing performance of the sunroof;
3. Always clean the guide rails, front water channel and other components to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in ingression of water into the vehicle;

4. 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;
5. 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.
6. 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. Place the gearshift lever in P or N position and pull up the EPB. 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. Raise the front hood beyond its opening balance position and release the front hood to allow it to open to the maximum angle.
3. When closing the front hood, lower the front hood beyond its balance position, press down the front hood hard and release it to close the front hood.
4. After closing the front hood, remember to check whether the lock catch is locked firmly.

WARM TIP

- Before driving, be sure to confirm that the front hood has been closed and locked firmly. Otherwise, the front hood may open suddenly and cause an accident during driving.

Cooling system

Selection of coolant

- Using improper coolant can damage the cooling system.
- Use the coolant with the same model as that of the original one for the vehicle. Select the coolant with the correct model as per the ambient temperature and fill the coolant into the cooling system.
- It is unnecessary to add any blending agent.
- Do not mix coolants of different brands and models.

WARM TIP

- Do not use tap water. Otherwise, damage to the cooling system will be caused.
- Do not add any rust inhibitor or other additives to the cooling system to avoid incompatibility with the coolant.

Washer

- 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.

⚠CAUTION

- Do not refill acetic acid solvent into the fluid reservoir of windscreen washer.
- It is recommended to use qualified windscreen washing fluid.

Air Conditioning System

- It is recommended that any important maintenance work of the vehicle's air conditioning system should be done by professional personnel of a BYD authorised service provider, as it is an enclosed system.
- You can carry out the following operations to ensure work efficiency of the air conditioning system:
  - Check the radiator and the air conditioning condenser at regular intervals. Remove leaves, insects and dust deposited on front surfaces of the radiator and the air conditioning condenser, as these deposits will impede air flow, thus reducing the refrigeration effect. In this case, contact a BYD authorised service provider.
  - 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 authorised service provider for inspection and repair of the system.

⚠CAUTION

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

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.

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. Turn on the front/rear wiper maintenance on the Vehicle Maintenance Information interface of the multimedia system to allow the wiper to rotate out.
2. Hold the upper end of wiper arm to lift up the wiper arm and wiper blade assembly with care.

Tyre

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

⚠WARNING

- Using excessively worn, under-pressure or over-pressure tyres will cause accidents, even resulting in personal injuries and deaths.
- Be sure to act in accordance with all instructions related to tyre inflating and maintenance in this manual.

Inflating

- Proper inflating of tyres can provide the best combination of maneuverability, tyre tread life and driving comfort.
- Using underinflated tyres will result in uneven wear of tyres and affect maneuverability and electric energy consumption. More likely, air leakage may be caused due to overheat.
- Using overinflated tyres will reduce the driving and riding comfort and cause damage to tyres more easily due to uneven road surface. In severe cases, there will be the risk of tyre burst, which may threaten the vehicle safety seriously and cause uneven wear of tyres, affecting their service life.
- The vehicle is equipped with a tyre pressure monitoring device. When tyres are in cold state, you can determine whether to inflate them according to the tyre pressure value of each tyre as displayed on the instrument.
- Measure tyre pressure when the tyre is in a cold state. This means that tyre pressure measurement should be carried out at least three hours after stopping of the vehicle. If you have to drive the vehicle before tyre pressure measurement, tyres are considered to be in cold state as long as the running distance is not greater than 1.6 km.
- If tyre pressure measurement is carried out in hot state (after vehicle running for several kilometers), the pressure reading will be 30~40 kPa (0.3~0.4 kgf/cm^2) higher than that measured in cold state This is a normal phenomenon. Do not deflate in order to meet the specified tyre pressure reading in cold state. Otherwise, insufficient tyre pressure will be caused.

ⓘWARM TIP

- Recommended tyre pressure in cold state is indicated on the tyre pressure label (pasted on the driver's door frame).

- A tubeless tyre can realize self-closure when it is punctured. However, air leakage is very slow in general. For this reason, you should carefully find the position of leakage when the tyre pressure starts to decrease.

Inspection

- Check also to see whether tyres are scratched, punctured and worn every time when checking the inflation state of tyres.
  - Damage and swelling of tyre tread or tyre wall. The corresponding tyre should be replaced if any of these phenomena is found.
  - The corresponding tyre should be replaced when the tyre cord fabric or cord thread can be seen after scratches, cracks or fracture on the tyre wall.
  - Excessive wear of tyre tread.
- A wear mark is provided inside the tyre tread. When the tyre tread is worn to this mark, you will see a strip sign stretching across the tyre tread. The strip sign means that the thickness of tyre tread is less than 1.6 mm. A tyre worn to this degree has very small adhesive force on a wet and slippery road.
- When the tyre tread is worn till exposure of the wear mark, there will be much loss of tyre performance and the tyre should be replaced.

Maintenance

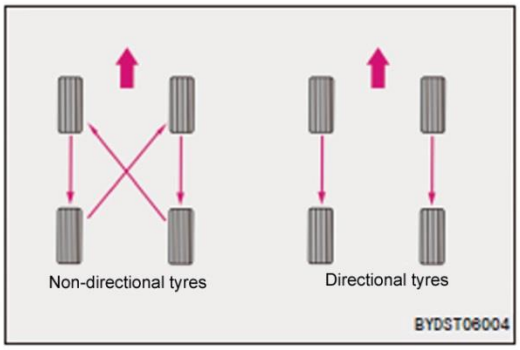
- In addition to proper inflating, correct wheel alignment is helpful to reducing wear of tyre tread.
- It is recommended to drive the vehicle to a BYD authorised service provider for checking the wheel alignment status if any uneven wear of tyre is found.
- Balancing of tyres has been done before delivery of the vehicle. However, re-balancing of tyres 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 authorised service provider to check tyres.
- If any tyre was repaired before, be sure to carry out re-balancing of the tyre.
- Be sure to carry out balancing of tyres when installing or replacing with new ones.

⚠CAUTION

- Improper wheel balancing weights cannot be fixed firmly and may fall off, resulting in the damage to your vehicle or surrounding objects during vehicle running.
- Improper wheel balancing weights will damage the aluminum alloy rims of your vehicle. Therefore, it is recommended to use the manufacturer's original wheel balancing weights and keep balance of them.

Tyre rotation

- To enable tyres to be worn to the same degree and lengthen their service lives, we recommend that you perform tyre rotation regularly and carry out alignment inspection and adjustment of all these four wheels.
- Do not rotate the tyre if it is a temporary and spare one.



- You may find that some tyres are directional when you are buying or replacing tyres. This means that such kind of tyre is designed to be rotated in one direction only. If directional tyres are used, only rotation between front and rear wheels can be carried out, as shown in the figure above.

Replacement of tyres and wheels

- Original tyres of the vehicle are selected to give play to the vehicle performance to the greatest extent. In addition, they can provide you with the best combination of maneuverability, riding comfort and service life.
- It is recommended to drive the vehicle to a BYD authorised service provider for replacement with original tyres.
- Replacement with radial tyres having different size, load scope, rated speed and maximum cold tyre pressure (indicated on the tyre wall), or mixed use of radial and diagonal tyres, may reduce the vehicle's braking capacity, driving force (ground adhesive force) and steering accuracy.
- Installing improper tyres will affect maneuverability and stability of the vehicle and may result in accidents, even personal injury or death.

- It is preferable to replace all the four tyres at the same time. If impossible or unnecessary to do so, the two front or rear tyres should be replaced in pairs. Replacing only one tyre will seriously affect the maneuverability of the vehicle.
- ABS (anti-lock brake system) works by comparing the speed of wheels. For this reason, tyres having the same size as that of original ones must be used. Size and structure of tyres will affect wheel speed and may result in action inconsistency of the system.
- If replacement of any wheel is necessary, make sure that specifications of the new wheel are consistent with those of the original one. New wheels can be bought from a BYD authorised service provider. Consult a BYD authorised service provider before replacing wheels.

WARM TIP

Please observe the following instructions. Otherwise, typical danger in maneuverability will be caused, resulting in loss of control over the vehicle.

- Do not use radial tyres, bias belted tyres or diagonal ply tyres on the vehicle in a mixed way.
- Do not use any tyres other than those with the size recommended by the manufacturer.

Electrical Components

Inspection of start Fe battery

⚠CAUTION

- The start Fe battery may produce combustible and explosive hydrogen.
  - Use tools in such a manner that would not allow the start Fe battery to produce sparks.
  - Do not smoke or light a match in the vicinity of the start Fe battery.
- The electrolyte contains toxic and corrosive sulfuric acid.
  - Prevent electrolyte from contacting the eyes, skin or clothes.
  - Avoid swallowing the electrolyte by mistake.
  - Be sure to wear safety goggles when working near the start Fe battery.
  - Keep children away from the start Fe battery.

⚠WARNING

- If the electrolyte splashes into eyes, rinse eyes with clear water at once and then seek medical attention. If possible, continuously rinse the affected part by using a piece of sponge or clean cloth with water when going to the hospital.
- If the electrolyte splashes onto the skin, thoroughly rinse the skin with water. If any pain of burn is felt, seek medical attention without delay.
- If the electrolyte splashes onto clothes, it may penetrate and contact the skin. Therefore, take off the clothes at once. If necessary, treat as per the method mentioned above.
- If the electrolyte has been swallowed by mistake, drink plenty of water or milk. Be sure to drink milk containing oxide magnesium, stirred raw egg or vegetable oil, and seek medical attention immediately.

Inspection of external state of start Fe battery

Check if the start Fe battery has any corrosion, connector looseness and cracks, or if the clamp gets loose.

- If the start Fe battery has been corroded, rinse it with the mixed solution of warm water and baking soda. Apply lubricating grease onto the external surface of the connector to prevent further corrosion.
- If the connector is loosely connected, tighten the clamp nut without being too tight.
- Tighten the clamp to ensure the start Fe battery can be fixed in its position. Over-tightening will damage the start Fe battery.

⚠CAUTION

- Confirm that the motor and all auxiliary equipment have been switched off before making maintenance.
- Before checking the start Fe battery, remove the grounding cable from the cathode terminal (with "-" mark) and install it in the end.
- Use tools in such a manner that would not cause short circuit.
- Avoid the fluid flowing into the start Fe battery when cleaning it.

Inspection of internal state of start Fe battery

Check the internal state of start Fe battery according to the instructions on the battery case.

ⓘWARM TIP

- A start Fe battery with insufficient electrolyte should be replaced. Do not add electrolyte by yourself.

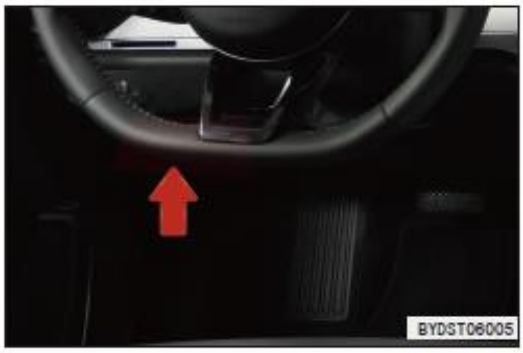
⚠CAUTION

- Charging start Fe battery without disconnecting the cable can seriously damage the electronic control unit (ECU) and electrical equipment. Therefore, be sure to remove the start Fe battery cable before connecting the start Fe battery to the charger.
- Using electrical equipment of the vehicle for a long period of time with the vehicle not started (OK mode) can cause the start Fe battery to be over-discharged, resulting in failure to start the vehicle or even permanent damage to the start Fe battery.
- Before you leave the vehicle, make sure that all doors have been closed and all kinds of electrical equipment (such as lights) have been turned off.

Fuses

All electric circuits on the vehicle are provided with fuses to prevent causing short circuits or over-load operation. These fuses are separately installed in 3 fuse boxes.

- The front compartment fuse box is located beside the left fender of front compartment.
  - Remove the cover of front compartment fuse box and turn over the cover to see the label on its inner side.
- The instrument panel fuse box is located inside the lower shield of dashboard in the driver's space.



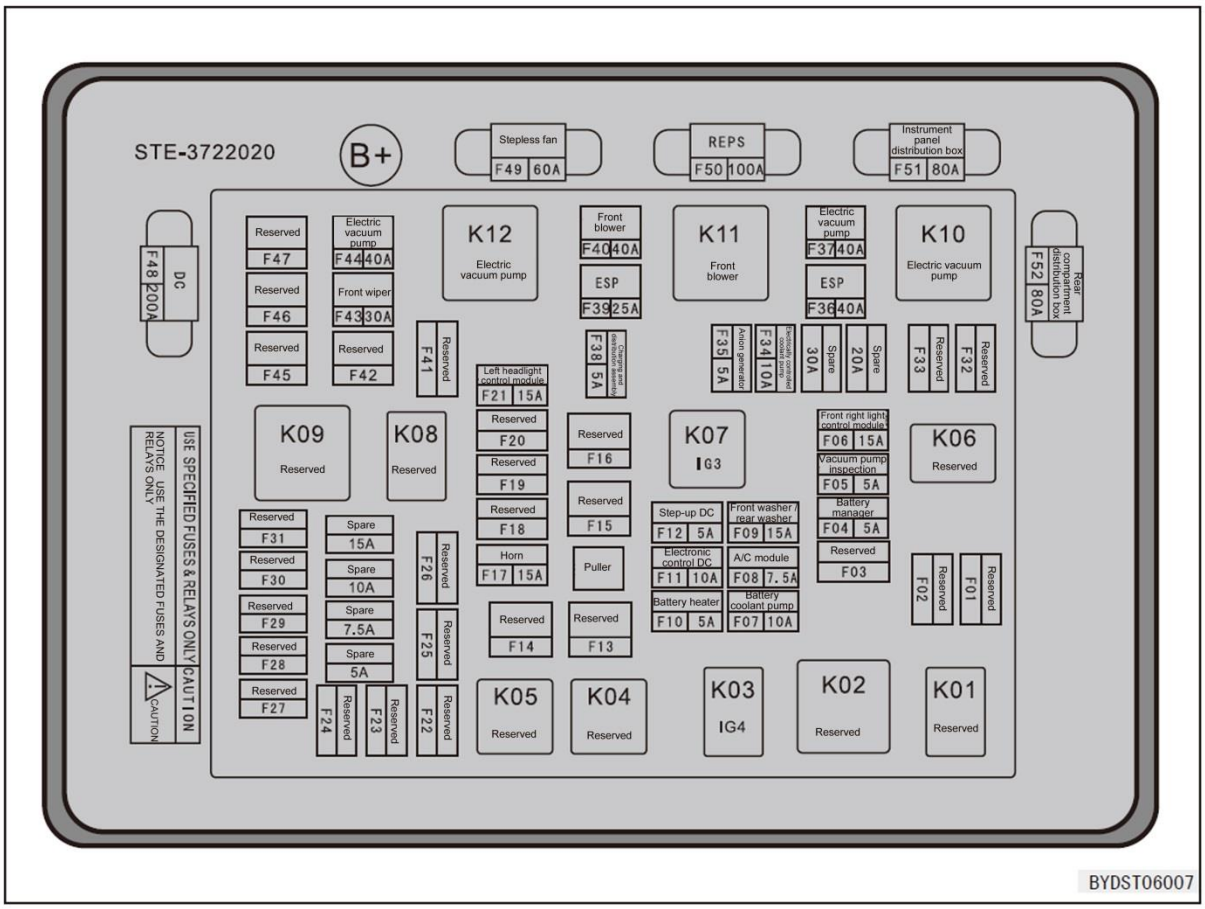
- The rear compartment fuse box is in the C-pillar shield of the trunk.

WARM TIP

- 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.

Label of front compartment fuse box



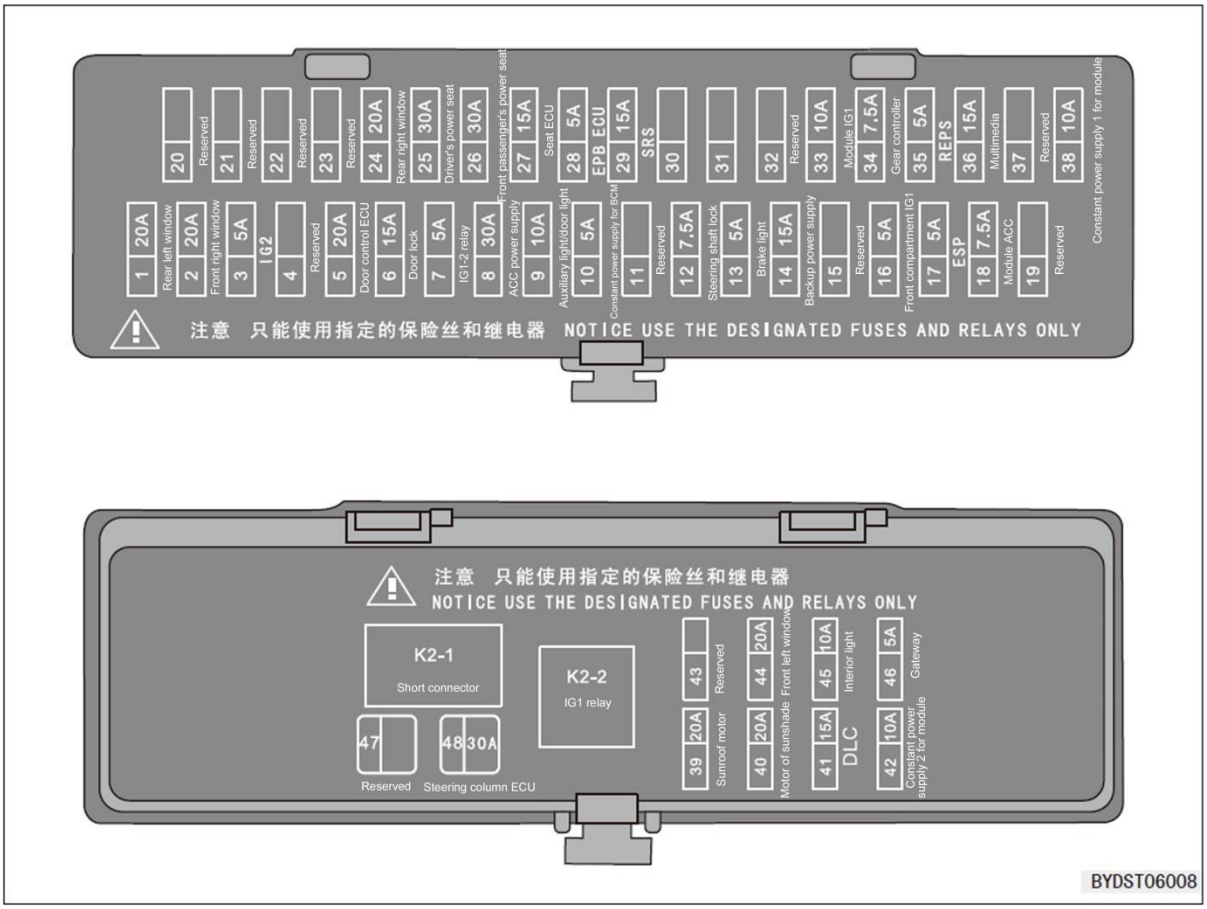
Fuses

S/N	Ampere (A)	Component or Circuit Protected
F01	-	Reserved
F02	-	Reserved
F03	-	Reserved
F04	5	BMS
F05	5	Vacuum pump inspection
F06	15	Front right light control module
F07	10	Battery coolant pump
F08	7.5	A/C module

S/N	Ampere (A)	Component or Circuit Protected
F09	15	Front washer / rear washer
F10	5	Battery heater
F11	10	Electronic control DC
F12	5	Step-up DC
F13	-	Reserved
F14	-	Reserved
F15	-	Reserved
F16	-	Reserved
F17	15	Horn
F18	-	Reserved
F19	-	Reserved
F20	-	Reserved
F21	15	Left headlight control module
F22	-	Reserved
F23	-	Reserved
F24	-	Reserved
F25	-	Reserved
F26	-	Reserved
F27	-	Reserved
F28	-	Reserved
F29	-	Reserved
F30	-	Reserved
F31	-	Reserved
F32	-	Reserved
F33	-	Reserved
F34	10	Electrically controlled coolant pump

S/N	Ampere (A)	Component or Circuit Protected
F35	5	Anion generator
F36	40	ESP
F37	40	Electric vacuum pump
F38	5	Charging and distribution assembly
F39	25	ESP
F40	40	Front blower
F41	-	Reserved
F42	-	Reserved
F43	30	Front wiper
F44	40	Electric vacuum pump
F45	-	Reserved
F46	-	Reserved
F47	-	Reserved
F48	200	DC
F49	60	Stepless fan
F50	100	REPS
F51	80	Instrument panel distribution box
F52	80	Rear compartment distribution box

Label of instrument panel fuse box



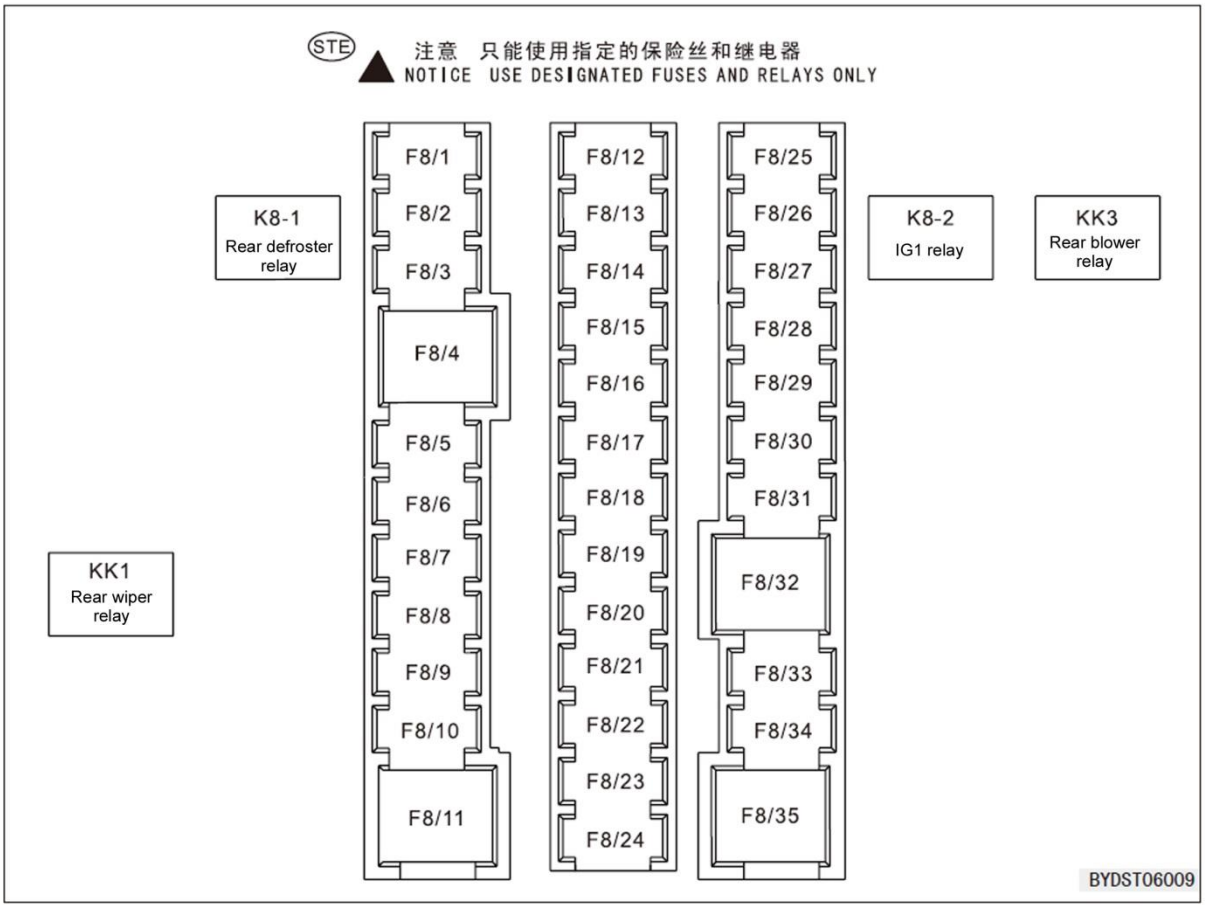
Fuses

S/N	Ampere (A)	Component or Circuit Protected
1	20	Rear left window
2	20	Front right window
3	5	IG2
4	-	Reserved
5	20	Door control ECU
6	15	Door lock
7	5	IG1-2 relay
8	30	ACC power supply

S/N	Ampere (A)	Component or Circuit Protected
9	10	Auxiliary light/door light
10	5	Constant power supply for BCM
11	-	Reserved
12	7.5	Steering shaft lock
13	5	Brake light
14	15	Backup power supply
15	-	Reserved
16	5	Front compartment IG1
17	5	ESP
18	7.5	Module ACC
19	-	Reserved
20	-	Reserved
21	-	Reserved
22	-	Reserved
23	-	Reserved
24	20	Rear right window
25	30	Driver's power seat
26	30	Front passenger's power seat
27	15	Seat ECU
28	5	EPB ECU
29	15	SRS
30	-	/
31	-	/
32	-	Reserved
33	10	Module IG1
34	7.5	Gear controller

S/N	Ampere (A)	Component or Circuit Protected
35	5	REPS
36	15	Multimedia
37	-	Reserved
38	10	Constant power supply 1 for module
39	20	Sunroof motor
40	20	Motor of sunshade
41	15	DLC
42	10	Constant power supply 2 for module
43	-	Reserved
44	20	Front left window
45	10	Interior light
46	5	Gateway
47	-	Reserved
48	30	Steering column ECU

Label of rear compartment fuse box



Fuses

S/N	Ampere (A)	Component or Circuit Protected
1	-	Reserved
2	-	Reserved
3	5	Rear blower test
4	40	Rear defroster
5	30	EPB
6	30	EPB
7	15	External amplifier
8	-	Reserved
9	-	Reserved

S/N	Ampere (A)	Component or Circuit Protected
10	-	Reserved
11	20	Power trunk lid
12	10	Constant module power
13	5	KEYLESS
14	15	Charging port cap lock
15	5	Charging indicator module
16	10	Rear clearance light/charging indicator
17	7.5	Rear fog light, reverse light
18	7.5	DC charging indicator
19	10	Rear turn signal light
20	20	ACC
21	15	Child safety lock
22	15	Backup power supply
23	5	Module ACC
24	-	Reserved
25	-	Reserved
26	5	Rear compartment IG1
27	5	Rear A/C module
28	-	Reserved
29	-	Reserved
30	-	Reserved
31	-	Reserved
32	-	Reserved
33	-	Reserved
34	15	Rear wiper
35	30	Rear blower

7 When Failure Occurs

7-1 When Failure Occurs

WARM TIP

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

Intelligent Key Battery Runs Out

If the indicator on the electronic intelligent key does not flash and the vehicle cannot be started by the intelligent key, the intelligent key battery may have run out. Carry the intelligent key to BYD authorised service provider for replacing the battery as soon as possible. In this case, you may start the vehicle in no power mode.

CAUTION

- Do not put the key in a high-temperature area.
- Do not pat key with hard matters or fling it.
- Put the key far away from magnetic field.
- When the vehicle enters the anti-theft mode with doors locked, if you do not use the vehicle, please keep the key far away from the vehicle because the LV battery power will be consumed as the vehicle performs the automatic key locating function.
- Please complete each starting cycle within 20s; otherwise, the wiring system will overheat.

1. Unlock the vehicle by using a mechanical key.
2. Depress the brake pedal and press the "START/STOP" button, and then the intelligent key system warning light on the instrument will illuminate and the speaker in the vehicle will sound once.
3. Put the intelligent key close to the no power icon (under the cup holder) of the auxiliary dashboard within 30s after the speaker sounds, and then the speaker will sound once again and the intelligent key system warning light will go out, indicating that the vehicle can be started.
4. Start the vehicle within 5s after the speaker sounds again.

Emergency Shutdown System

- If the following conditions are met, the emergency shutdown system will be activated and the HV system will shut down automatically:
  - Any air bag fails to deploy after a front collision.
  - Some rear collisions;
  - Some vehicle system faults occur.
- If any of the above-mentioned collision and vehicle system fault occur, the driving ready indicator (i.e. the "OK" indicator) will go out.
- 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 could not be switched to the ready state, and the system will shut down immediately even if the power switch is shifted to the ready state. In this case, contact a BYD authorised 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:

- Set the vehicle power to the OFF mode and disconnect the start Fe battery in the front compartment if conditions permit.
- Seek a dry powder fire extinguisher nearby.
- If the vehicle fire is small and spreads slowly, put out the fire with a dry powder fire extinguisher and make a call for help at once.
- If the vehicle fire is fierce and spreads rapidly, keep away from the vehicle without delay and wait for rescue.

⚠CAUTION

- 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 authorised 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 authorised 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.
- 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 relive 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. Connection wires in orange color are HV wiring harness. The user is not allowed to repair the vehicle's HV system. If any repair is needed, drive your vehicle to a BYD authorised service provider.
- The intelligent key for remote control of the electric vehicle and the vehicle's HV components may affect and injure any person carrying medical devices.

Towing of Vehicle

If towing of the vehicle is necessary, contact a BYD authorised service provider or a professional towing service provider or an organization providing roadside rescue service that you have joined.

⚠WARNING

- Never ask other vehicles to tow your vehicle only by using ropes or iron chains.

Suggested towing method:

- Flatbed device
  - When the vehicle malfunctions and needs to be towed, a flatbed tow truck is the best option because leaving a single front or rear wheel on the ground can cause damage to high voltage components.

Towing hook

The mounting position of vehicle towing hook is as shown in the figure.

ⓘWARM TIP

- It is not recommended to tow your vehicle by using a towing hook. You'd better contact a professional towing service provider or the organization providing roadside rescue service that you have joined.
- Only the towing hook delivered with the vehicle can be used. Otherwise, your vehicle will be damaged. Do not tow the vehicle at its tail with all four wheels on the ground; otherwise, your vehicle will be damaged.

Flat Tyre

- 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.
- Pull up the EPB switch and press the "P" button.
- Power off the vehicle and turn on the emergency warning light.
- Be sure to have all passengers get off the vehicle and ask them to go to a safe place away from crowded traffic.
- To prevent the vehicle from sliding, place a stopper block under the tyre in diagonal direction of the tyre to be replaced.

⚠CAUTION

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

Tools

The tools are stored in a tool box under the trunk lid. The tools include warning triangle, towing hook, wheel nut cap removal clamp, tyre puncture sealant, etc.

Placing warning triangle

ⓘWARM 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:

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

Using tyre puncture sealant

- Tyre puncture sealant can seal small cuts, especially those in the tread pattern. Repairing a tyre with tyre puncture sealant is only an emergency solution that enables you to drive to a nearest maintenance center; even if the tyre does not leak, only short-distance driving is allowed in an emergency condition.
- The tyre puncture sealant kit is in the trunk and can be accessed by opening the inner trim panel.
  - The tyre puncture sealant kit includes a sealant bottle, inflator pump, sticker indicating the maximum allowable vehicle speed and instructions.

⚠WARNING

- Tyre puncture sealant is only suitable for repairing small damage of a tyre. If a wheel is damaged, do not use tyre puncture sealant.
- Tyre puncture sealant is highly flammable and harmful to health. When it is used, open flame and smoking is prohibited. Avoid contact with skin, eyes and clothing. Keep it in a place away from children; do not inhale the steam.

⚠WARNING (CONTINUED)

In case of contact with tyre puncture sealant

- If the tyre puncture sealant comes into contact with the skin or eyes, immediately wash the affected part with plenty of water thoroughly.
- Immediately replace contaminated clothing.
- If you have an allergic reaction, seek medical attention immediately.
- If tyre puncture sealant is swallowed, immediately rinse the month thoroughly and drink plenty of water, do not induce vomiting; seek medical attention immediately.

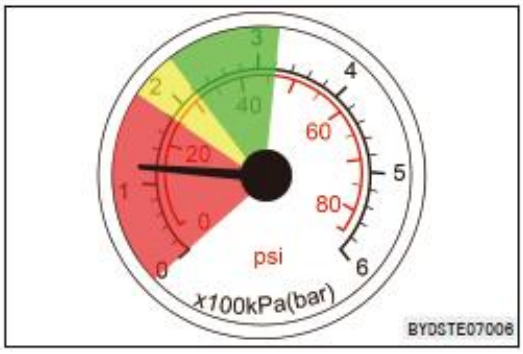
Tyre puncture sealant operation method

- For details on how to use the tyre puncture sealant, see the label on the inflator pump.
- If the inflator pump needs connection to power supply, insert the power supply plug into the interior 12V socket, start the vehicle and turn on the inflator pump switch. The tyre puncture sealant will be pumped into the tyre via the inflator pump hose together with air.

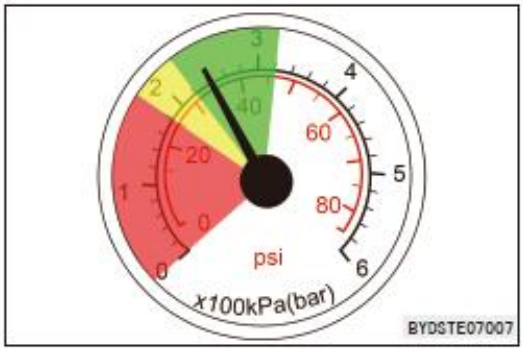
ⓘWARM TIP

- Make sure the inflator pump switch is off when inserting the power plug into the interior 12V socket.
- The inflator pump can stay on for 10 min at most.

- Observe the reading of the tyre pressure gauge on the inflator pump.
  - If the tyre pressure does not reach 180kPa (red zone shown in the figure) within 10 min, turn off the inflator pump and contact a BYD authorised service provider.



  - If the tyre pressure is in the range of 180~320kPa (yellow and green zones shown in the figure), remove the kit as soon as possible, and within 1 min, start driving the vehicle at a speed lower than 80km/h for a distance not exceeding 10 km to allow the tyre puncture sealant to be uniformly distributed in the tyre.



- Stop the vehicle and observe the tyre pressure displayed on the instrument.
  - If the tyre pressure is greater than 220kPa, drive the vehicle at a speed lower than 80km/h to a nearest service provider.
  - If the tyre pressure is in the range of 180~220kPa, repeat the operation to fill the tyre puncture sealant into the tyre and observe the reading of the tyre pressure gauge on the inflator.
  - If the tyre pressure does not reach 180kPa, contact a BYD authorised service provider.

WARM TIP

- Repairing a damaged tyre with tyre puncture sealant is an emergency solution only. Please replace the tyre in a professional maintenance center as soon as possible (it is recommended that you contact a BYD authorised service provider) and tell a maintenance technician that the tyre has tyre puncture sealant inside.
- Avoid quick acceleration or turning at a high speed.
- Follow the limit requirement of maximum vehicle speed of 80km/h. If the vehicle has strong vibration, unstable driving performance or noise during driving, do not continue driving the vehicle.
- When the tyre puncture sealant is to be expired (see the label on the tyre puncture sealant container for the exact date), replace it with new one.
- After repairing a tyre with the tyre puncture sealant kit, it is recommended that you purchase a new tyre puncture sealant from a BYD authorised service provider.

8 Vehicle Specifications

8-1 Data Information

Vehicle Parameters

Product model/name			BYD6490SBEV	BYD6490SBEV1
Overall dimensions (mm)	L×W×H		4870x1950x1725	
Tread (mm)	Front × rear		1650x1630	
Wheelbase (mm)			2820	
Weight (kg)	Kerb weight		2295	2155
	Axle load	Front axle	1135	1132
		Rear axle	1160	1023
	Maximum allowable gross weight		2820	2680
	Axle load	Front axle	1235	1231
		Rear axle	1585	1449
Tyre	Specification		265/40 R22, 255/50 R20	
	Tyre pressure (kPa)		260	
Dynamic balance requirement for wheel (g)			<10	
Wheel alignment parameters (under kerb weight)	Front wheel camber		-0°29'±45'	
	Toe-in of front wheel		0±2mm	
	Kingpin inclination angle		11°08'±45'	
	Kingpin caster angle		2°47'±45'	
	Rear wheel camber		-0°45'±45'	
	Toe-in of rear wheel		3±2mm	
Free travel of brake pedal (mm)			≤5	
Approach angle/departure angle (°)			22/20	
Front/Rear overhang (mm)			985/1065	
Number of allowable occupants (person)			5/7	

Brake friction pair (mm)		Thickness of front brake pad material: 2~12.5 (for low configuration) 2.75~9.85 (for medium and high configuration) Thickness of rear brake pad material: 2~11.1 Front brake disc: 26~28 (for low configuration) or 32~34 (for medium and high configuration) Rear brake disc: 28~30	
Maximum design speed (km/h)		180	160
Maximum gradeability (%)		50	30
Drive motor		Permanent magnet synchronous motor	
Rated power / speed / torque of drive motor (kW / rpm / N•m)		Front: 65/4600/135 Rear: 65/4600/135	65/4600/135
Peak power / speed / torque of drive motor (kW / rpm / N•m)		Front: 180/15000/330 Rear: 180/15000/330	180/15000/330
Power Battery	**Type**	NMC battery	
	Rated capacity (Ah)	135	
Drive type		Four-wheel drive	Two-wheel drive
Electric energy consumption per 100 km in operating condition (kW·h/100km)		17.9	17.3

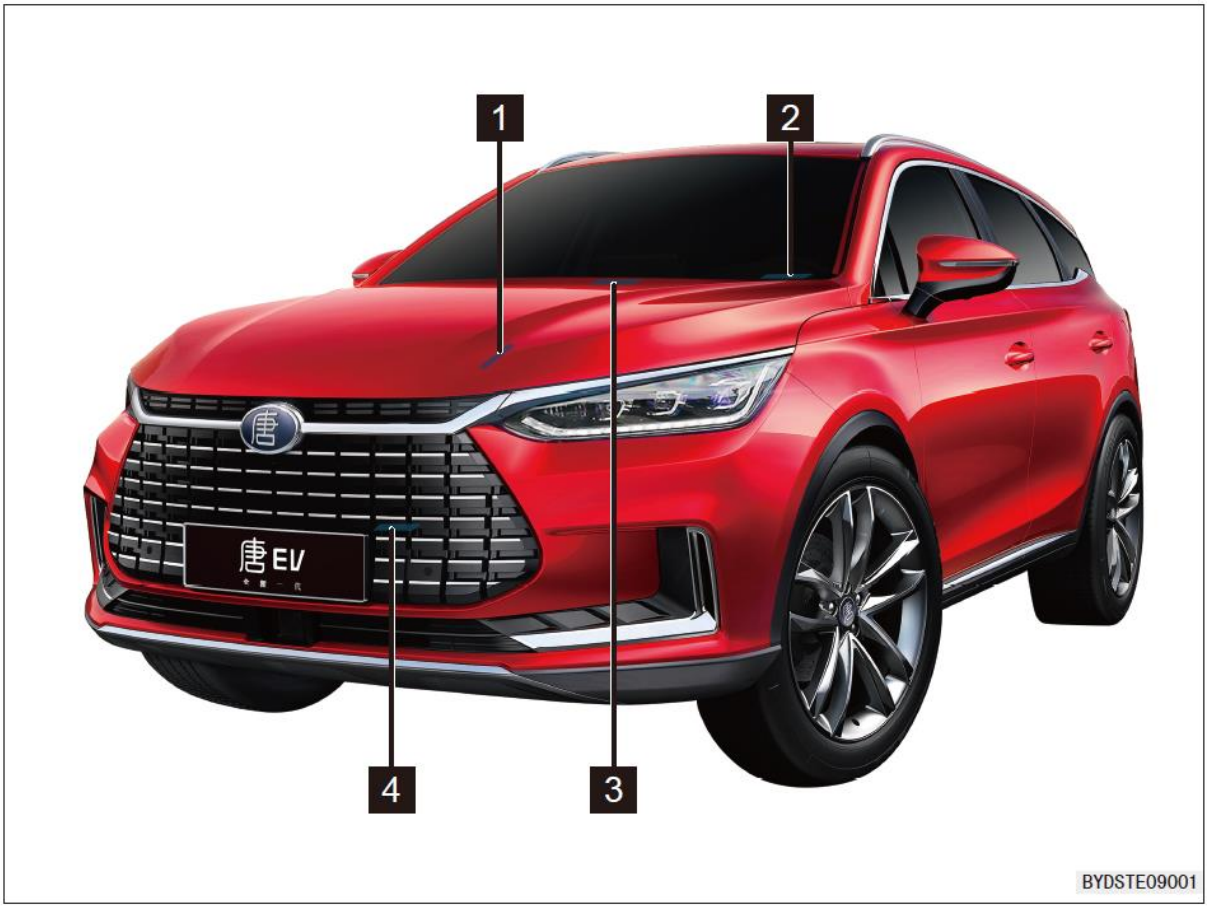
Notes: 1. Actual energy consumption is related to such factors as vehicle conditions, road conditions and driving habit.

2. The vehicle body width excludes the width of exterior rearview mirror.

8-2 Prompt Information

Vehicle Identification

Vehicle Identification Number (VIN)



1 It is pasted on the side of the front transmission

2 It is pasted on the left front corner of the upper body of dashboard

3 It is pasted on the lower part of the inner plate of the front hood

4 It is pasted on the front anti-collision beam

5 It is pasted on the upper part of the inner plate of the trunk lid

6 It is pasted on the sheet metal of the left rear wheel guard

7 It is pasted to the sheet metal surface of the left rear door sill

8 It is pasted on the lower part of the inner plate of left front door

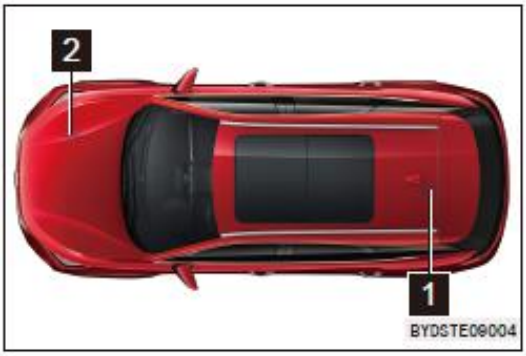
9 It is inscribed below the front passenger's seat.

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.

Drive motor model and number

1 The rear drive motor model and number are inscribed on the rear drive motor housing (if any)

2 The front drive motor model and number are inscribed on the front drive motor housing



Vehicle nameplate

1 The vehicle nameplate is located at the sheet metal sunken platform under the right B-pillar and contains the following information:

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

Warning Labels

The warning labels for side air bags are pasted on the lower parts of the left and right B-pillars.

The warning label for air bag is hot-stamped on the right sun visor.

The label for tyre pressure is pasted at the lower part of the left B-pillar.

The label for the A/C system air filter is pasted on the inner surface of glove box.

The label for battery position indicator is pasted on the right side of the front hood lock ring.

The labels for the A/C system filling and cooling fan are pasted on left side of the front hood lock ring.

The label for DC charging port is pasted on inner side of the charging port hatch.

The charging indicator and reminder label is pasted on inner side of the charging port hatch.

The front hood opening label is pasted on the lower part of the A-pillar and to the left of the front hood opening lever.

The trunk lid opening label is pasted on the part above the exterior trunk lid button.

Microwave window

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

⚠CAUTION

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

ABS	Anti-lock brake system	ACC	Adaptive cruise control
AEB	Automatic emergency braking	AUTO	AUTO
AVAS	Acoustic vehicle alerting system	AVH	Automatic vehicle hold
CDP	Controller deceleration parking	DOOR	Door control
E-call	Emergency call	ECO	Economical mode
ECU	Electronic control unit	ELR	Emergency locking retractor
EPB	Electric parking brake	ESP	Electronic stability program
HBA	Hydraulic brake assist	HDC	Hill descent control
HHC	Hill hold control	HI	High
ISOFIX	International Standards Organisation FIX	L0	Low
PCW	Predictive collision warning	PM2.5	Green air purification system
SET	SET	SOC	State of charge of power battery
SPORT	Sport mode	SRS	Supplemental restraint system
TCS	Transmission control unit	TPMS	Tyre pressure monitoring system
VDC	Vehicle dynamic control	VIN	Vehicle identification number
VTOL	Vehicle to load discharging connector	VTOV	Vehicle to vehicle discharging connector
Cloud-call	Roadside assistance		