

Foreword

Thank you for choosing Hongqi HS3!

Hongqi HS3 is equipped with various luxury equipment and advanced technologies. In order to make full use of these equipment and technologies in your vehicle life in the future, it is recommended that you read this manual carefully so that you can quickly and comprehensively understand Hongqi HS3.

This manual provides detailed instructions on safe driving, vehicle maintenance, and emergency countermeasures in addition to introducing how to use the vehicle, aiming to enable you to use the vehicle safely and comfortably, while maximizing the value of the vehicle.

In addition to the Owner's Manual, the accompanying documents also include the Maintenance Manual, containing important information on the usage and maintenance of Hongqi HS3. It is recommended that you keep the accompanying documents in your vehicle for convenient access at any time.

This manual is based on the product's conditions at the time of publication, subsequent product changes will be revised at the time of reprinting and the revisions will be made without notice. Thanks for understanding.

For any further questions about the vehicle or if you feel the information provided in the accompanying documents is insufficient, please consult an authorized FAW Hongqi dealer, and we will be happy to help you!

You can view or download the latest version of the Owner's Manual from the Hongqi official website. Before using the vehicle, it is recommended that you read the manual carefully.

Official website: <https://www.hongqi-auto.com>

Have a nice drive!

China FAW Group Import and Export Co., Ltd

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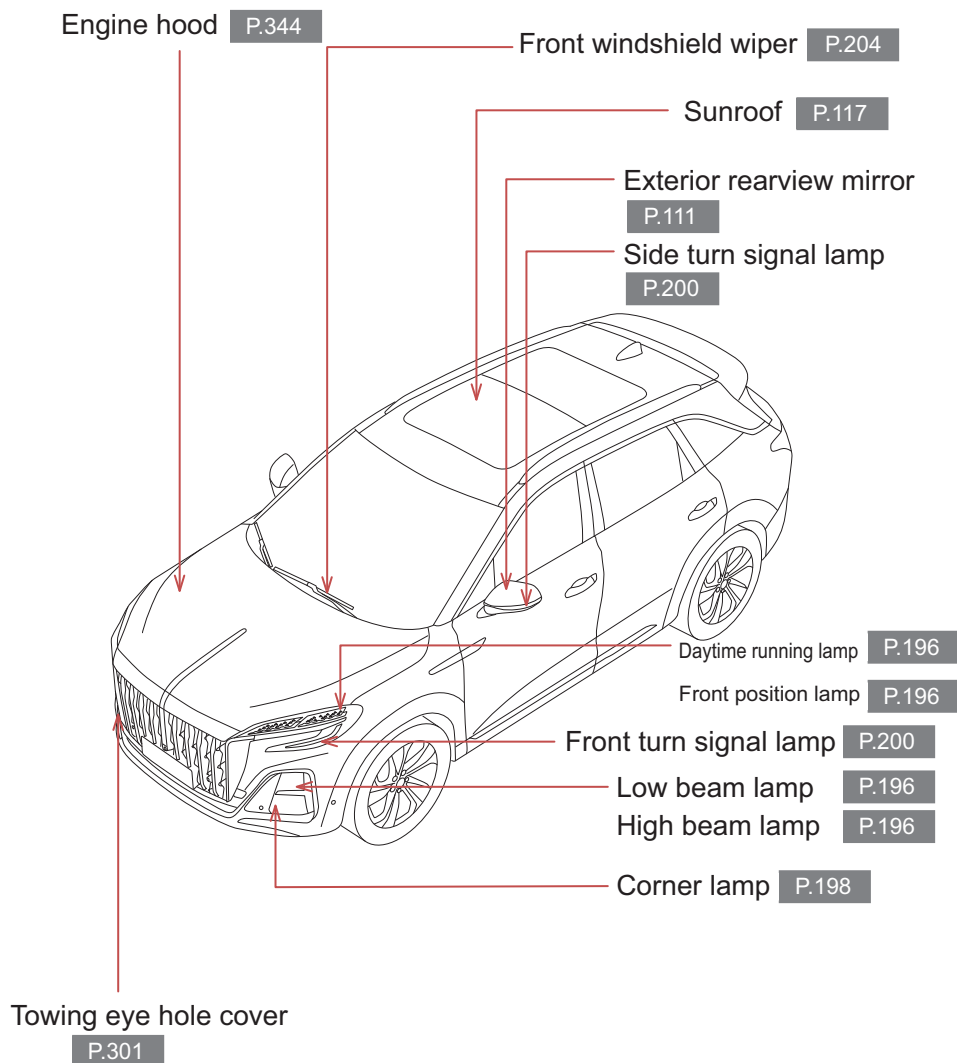
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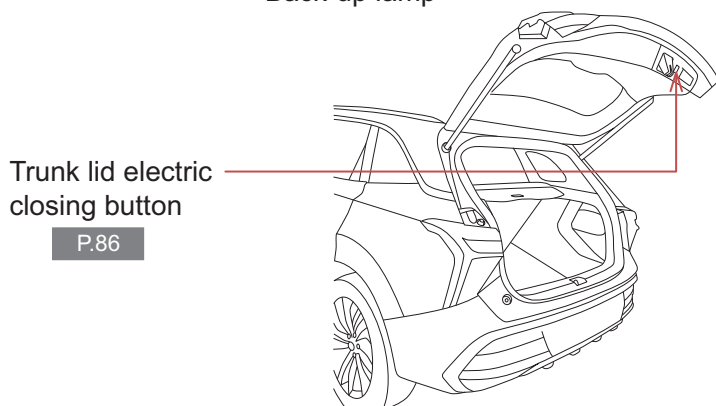
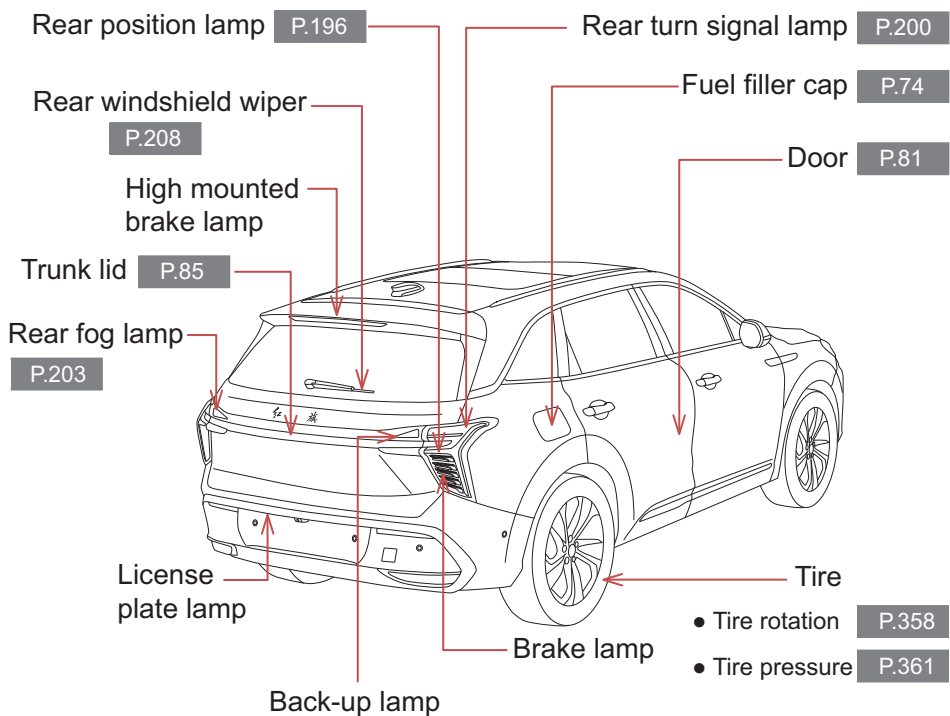
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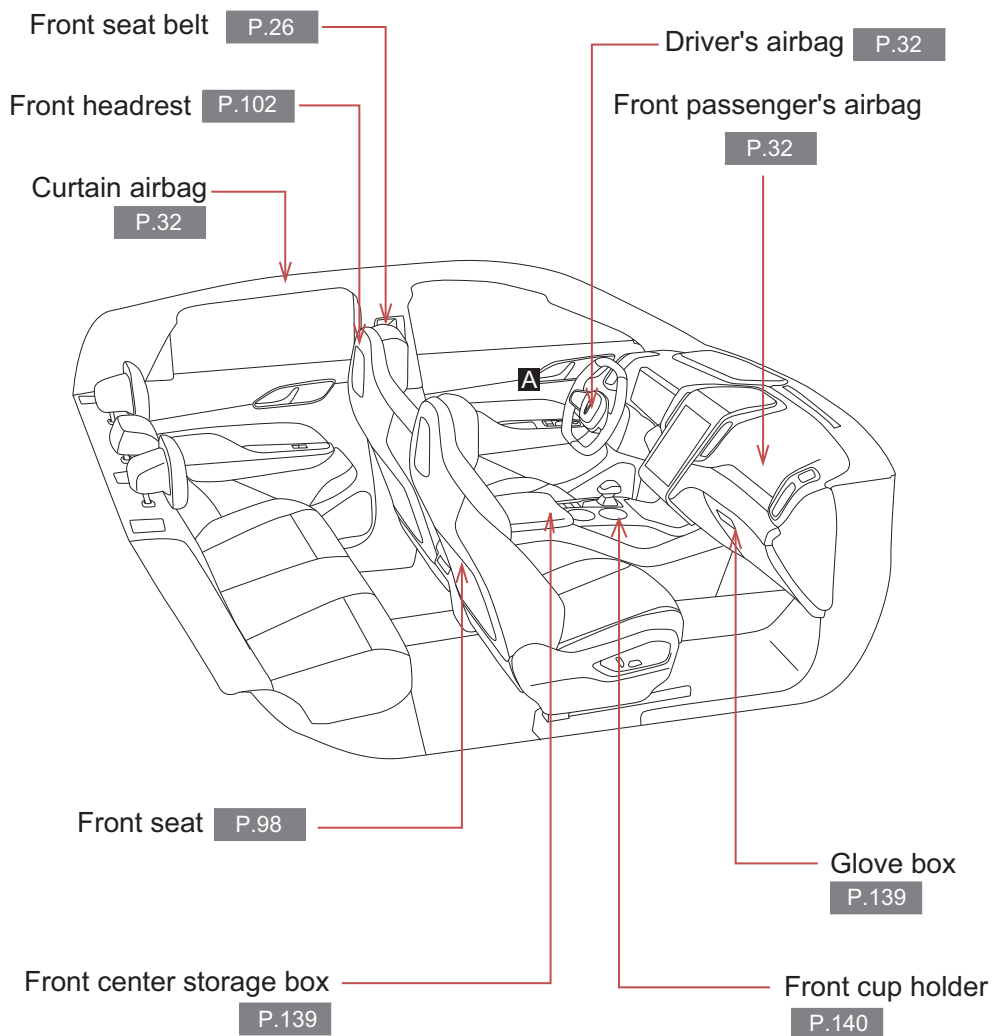
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Exterior rearview mirror
adjustment button

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Central locking switch

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Door inside handle

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Power window
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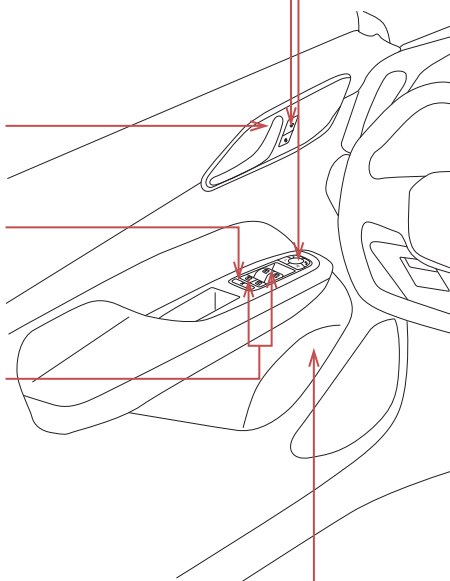
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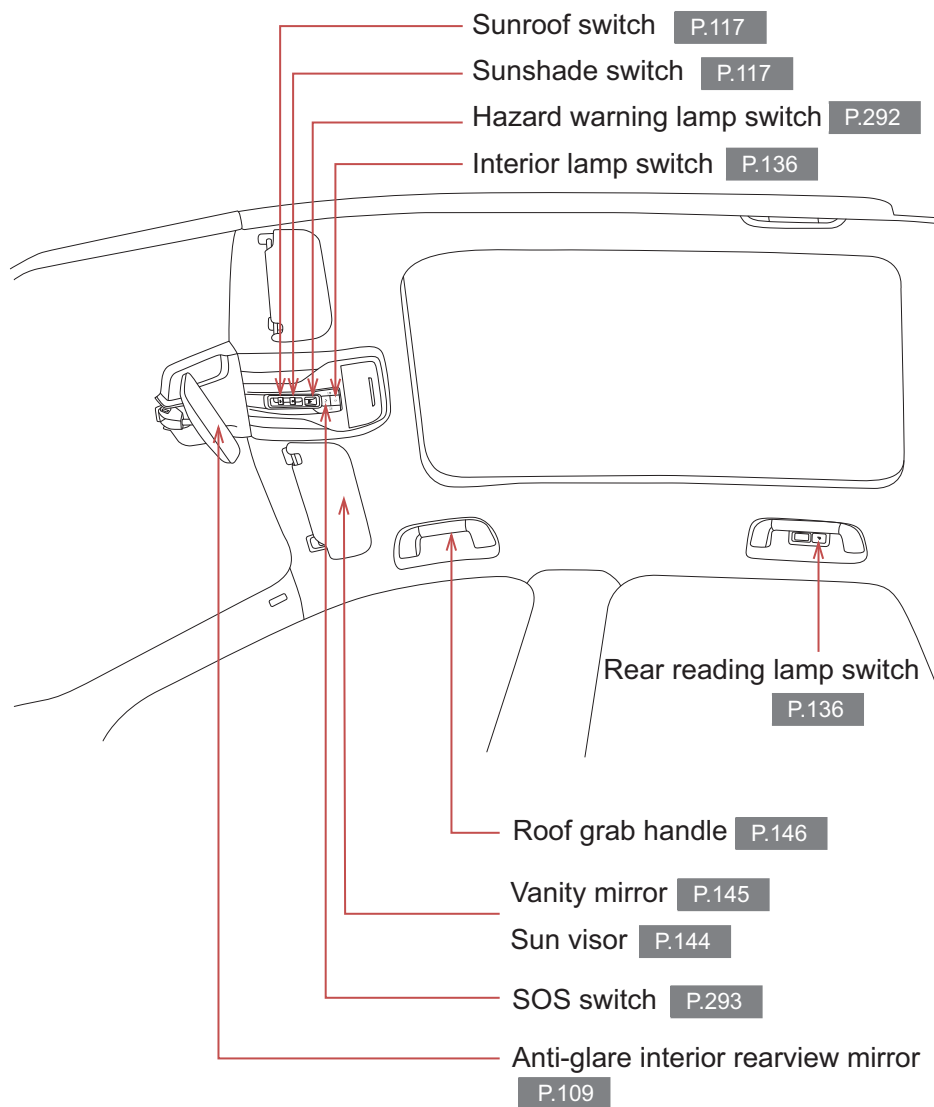
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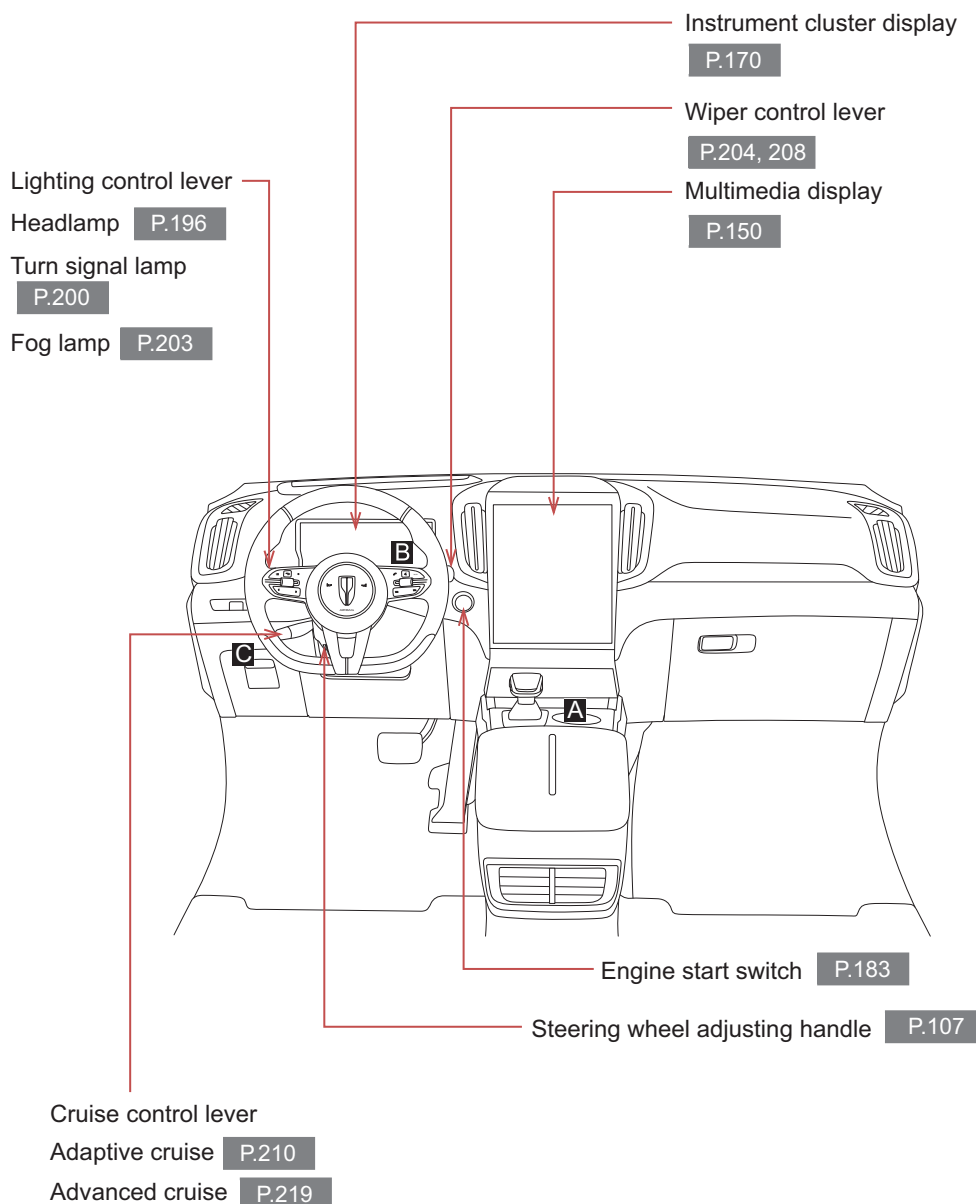
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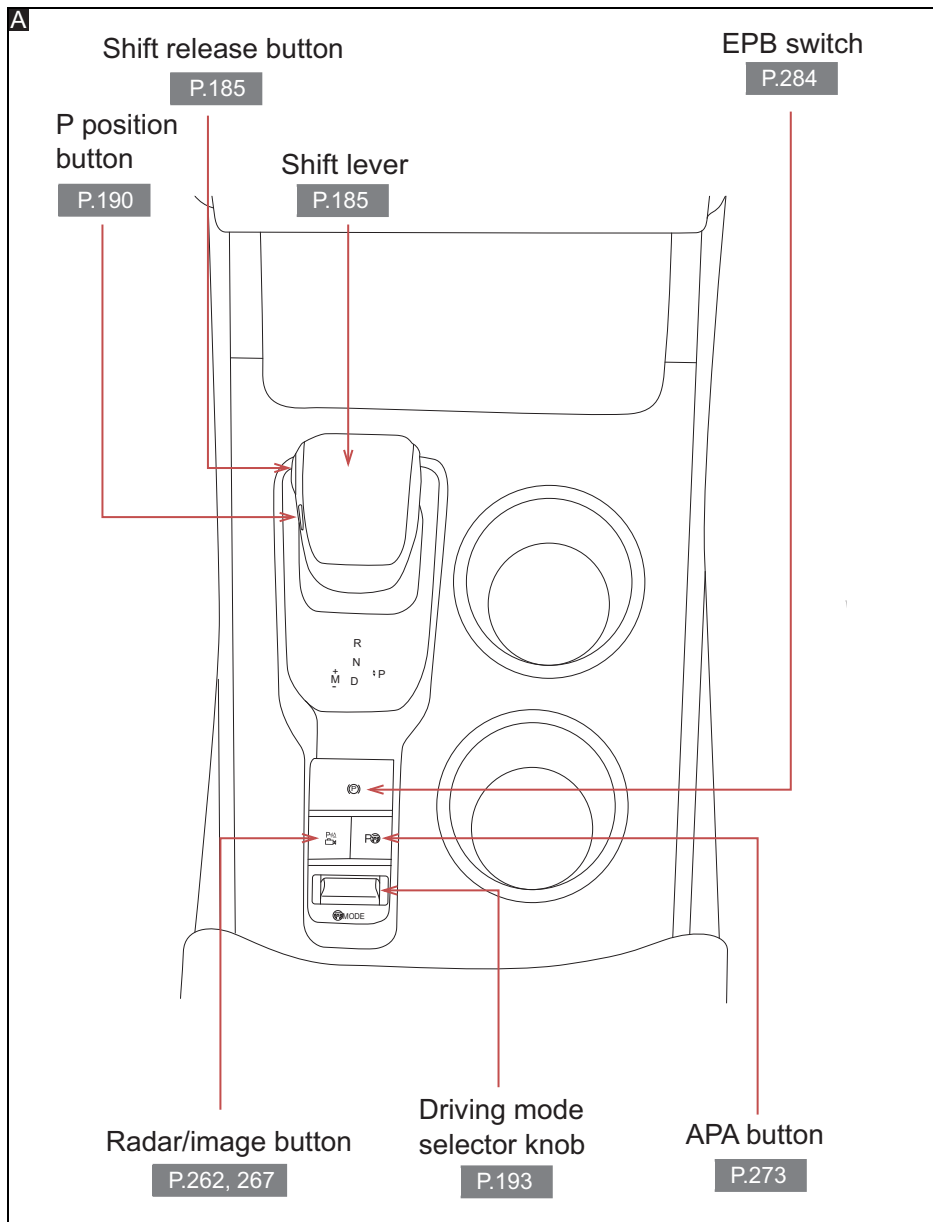
Storage box

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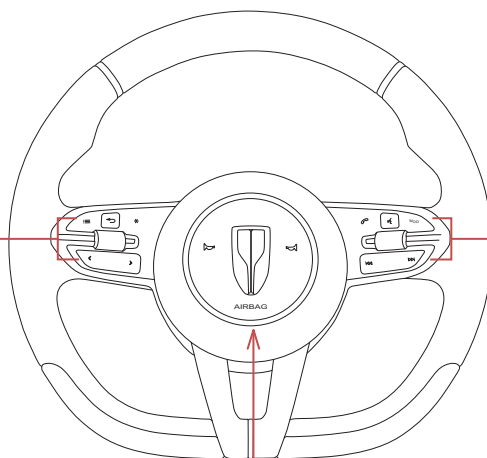
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Buttons on the left
of steering wheel

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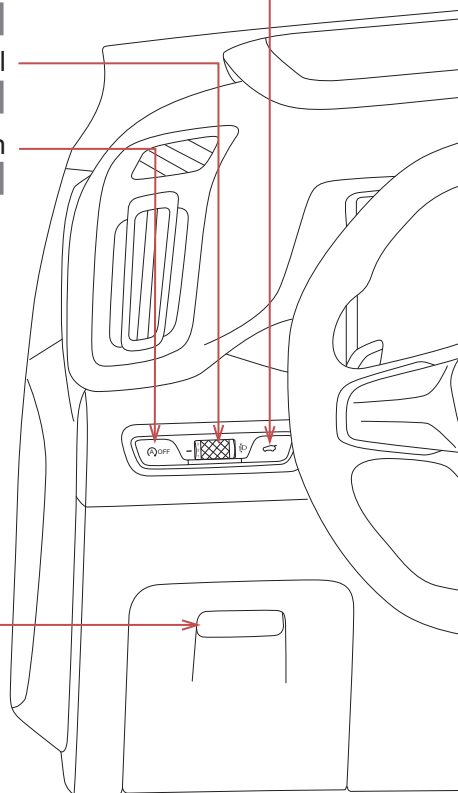
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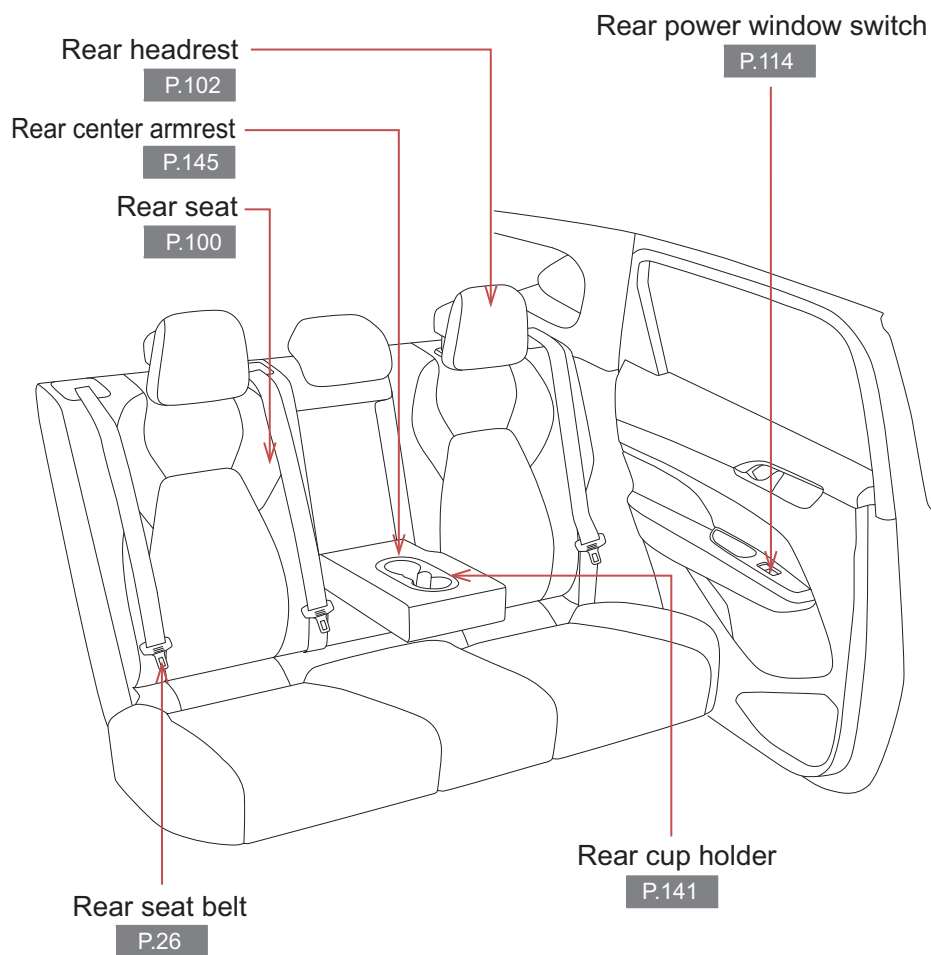
Idle stop-start OFF button

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Storage box on left lower guard

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Reference information

Instructions for use

The user must hold a driving license before driving the vehicle on the road. This manual is intended for such users.

As a general manual, this manual is applicable to multiple models of HS3. Some equipment described in the manual may not be installed on your vehicle. * Indicates that the configurations and functions may vary depending on model. For specific configuration information, please refer to the relevant sales materials or consult the dealer you purchased the vehicle.

The pictures in this manual are for reference only to help you understand the vehicle more intuitively, which may be slightly different from your vehicle. Please refer to the real vehicle configurations.

All specifications provided in this manual are up-to-date when it goes to press. However, due to ongoing modifications and improvements by FAW, the equipment and performance of the follow-up models may vary. Thus, the content of this manual is subject to change without notice. Please do not compare the owner's manual of other versions with the equipment and performance of your vehicle, or require for retrofitting based on the difference between the two. If you have any questions about your vehicle or this owner's manual, please consult an authorized FAW Hongqi dealer.

Accessories, spare parts and modifications of vehicle

An authorized FAW Hongqi dealer has the advanced tools, equipment and genuine spare parts for the maintenance and service of your vehicle. We strongly recommend that you use FAW genuine spare parts and accessories that meet the requirements of this vehicle.

For any non-genuine spare parts or accessories, whether they are used for replacement or installation, FAW neither assumes any responsibility nor provides any guarantee. In addition, vehicle damage and performance problems due to the use of the above-mentioned spare parts or accessories are not covered under warranty.

It is prohibited to illegally modify the vehicle with products not authorized by FAW, otherwise it may affect the handling, safety and durability of the vehicle, and may even violate local government regulations. In addition, problems due to modifications are not covered under warranty.

Reading vehicle identification number (VIN)

Use a diagnostic scan tool to connect the OBD port of the vehicle; when reading the ECU information, you can read the VIN. Reading tool can be purchased in the market, and must meet ISO14229, ISO15765, ISO15031, and ISO11898 standards.

Installing RF transmitter system

Installation of the RF transmitter system in the vehicle may affect electronic systems such as:

- Antilock brake system
- Cruise control system
- Airbag system
- Seat belt pretensioner system

Before installing the RF transmitter system, please consult an authorized FAW Hongqi dealer.

Scrapping of vehicle

Since the airbags and seat belt pretensioners contain explosive chemicals, if the vehicle is scrapped without removing them, accidents such as personal injury and fire may occur. Before scrapping the vehicle, be sure to contact a qualified company or institution to remove and dispose of the airbags and seat belt pretensioners. An authorized FAW Hongqi dealer is familiar with relevant laws and regulations and can provide you with consulting services.

Environmental protection

Used parts and waste oil:

- Dispose of the used parts and waste oil properly.
- Improper disposal may lead to environmental pollution.
- Consult the dealer you purchased the vehicle before scrapping the vehicle.

Eco-friendly and economical driving:

- Avoid unnecessary idling and excessively depressing the accelerator pedal, observe legal speed limits and keep safe driving in mind.

Model code

This manual describes CA6470HA6T and CA6470HA6TX models.

WARNING

■ Precautions for driving

It is important for the driver to drive soberly, carefully and attentively.

- **Drive soberly:** Never drive the vehicle after drinking or taking medicine. Alcohol or certain medications may delay response time and impair judgment and coordination, thus resulting in serious injury or death.
- **Drive carefully:** Always drive with caution. Always pay attention to the movements of other vehicles and pedestrians in order to make timely judgments to prevent accidents.
- **Drive attentively:** Be sure to concentrate on driving. Anything distracting the driver's attention, such as adjusting the control buttons, making a phone call or reading, may lead to a collision and cause serious injury or even death.

■ Precautions regarding child safety

- **Never leave children unattended in the vehicle.**
- **Do not allow children to carry or use the key, as children may cause a safety hazard by starting the vehicle or operating the shift lever.**
- **Do not allow children to play with doors, windows or other vehicle equipment as they may get injured.**
- **Make sure that the temperature inside the vehicle is appropriate, because too high or too low temperature may cause fatal injury to children.**

Read this manual

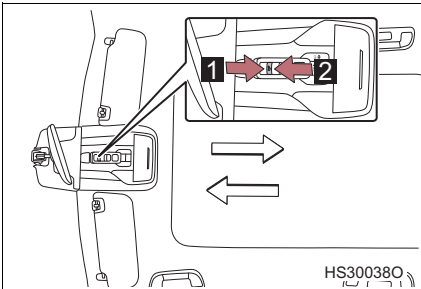
WARNING

Explains warnings that, if not obeyed, could cause serious injury or even death.

CAUTION

Explains precautions that, if not obeyed, could cause vehicle damage or malfunction.

Step 1 Indicates operating or working procedures, which should be performed in numerical order.



 Indicates the action (push, turn, press, etc.) used to operate the switch and other devices.

 Indicates the result of the operation (for example, the cover is opened).



 Indicates "Do not", "Do not do", or "Do not do this".

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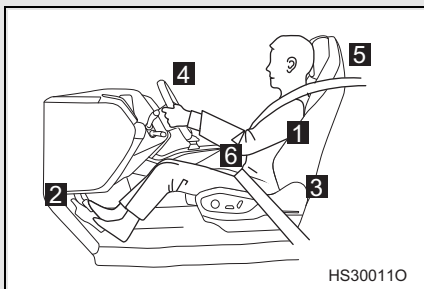
Engine IMMO
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Body anti-theft
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Safe driving

Before driving, adjust the seat, steering wheel and rearview mirrors to the proper positions to ensure safe driving.

■ Correct driving posture



- 1** Sit up straight with your back against the seat back.
- 2** Adjust the seat position forward or backward to ensure that you can depress the pedal to the desired position easily.
- 3** Adjust the seat back for convenient access to various switches.
- 4** Adjust the tilt angle of the steering wheel so that the airbag is facing the driver's chest.
- 5** Adjust and lock the headrest so that its center is flush with the upper part of the ear.
- 6** Fasten the seat belt properly.

■ Correct use of seat belt

Before driving, make sure that all occupants have fastened the seat belts.

Children shall use appropriate child restraint systems until they become large enough to wear the vehicle's seat belt.

■ Adjustment of rearview mirrors

Adjust the interior and exterior rearview mirrors properly to ensure a clear rear view.

**WARNING****■ Precautions when driving**

- Do not adjust the driver's seat while driving as this may result in loss of vehicle control.
- Do not place a cushion between your body and the seat back, as this will hinder proper sitting posture and reduce the effectiveness of seat belt and headrest.
- Do not place objects under the front seats as this may cause the objects to be caught between seat rails.
- During long-distance driving, please take appropriate breaks if you feel tired.
If you feel tired or drowsy during driving, do not force yourself to continue driving but immediately rest.

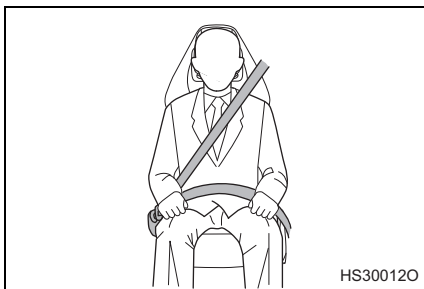
■ Adjustment of seat position

- Be careful when adjusting the seat position to ensure that the seat does not hurt any other occupants.
- Do not place your hand under the seat or near the moving parts while adjusting the seat, otherwise your fingers may be pinched by seat adjustment device.

Seat belt

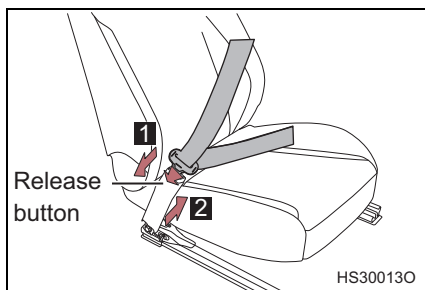
Before driving, make sure that all occupants have fastened the seat belts.

How to use seat belt correctly



- Stretch the shoulder belt so that it slopes across the shoulder, but does not touch the neck or slip off the shoulder.
- Spread the lap belt as low as possible across the hips.
- Adjust the position of the seat back so that you sit up straight with your back against the seat back.
- Do not twist the seat belt.

Fastening and unfastening seat belt

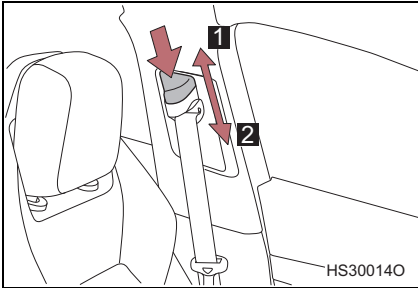


- 1 Fasten the seat belt**
Insert the latch plate into the buckle until you hear a "click" sound.
- 2 Unfasten the seat belt**
Press the release button.

CAUTION

If any occupant does not fasten the seat belt, the instrument cluster will give an alarm prompt when the vehicle reaches a certain speed.

Adjusting seat belt height (front seats)

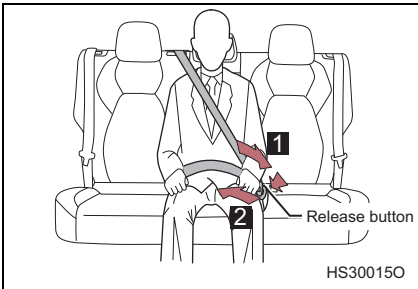


1 Move upward

2 Move downward

Press and hold the adjustment button and move the height adjuster up or down as desired until you hear a "click" sound.

Rear center seat belt



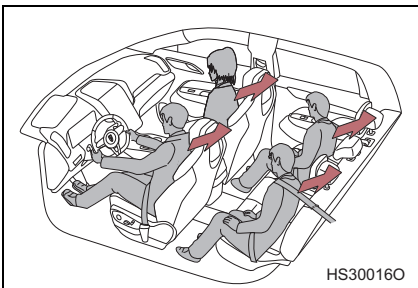
1 Fasten the seat belt

Insert the latch plate into the buckle until you hear a "click" sound.

2 Unfasten the seat belt

Press the release button.

Seat belt pretensioner (front seat and outside rear seat)



When the vehicle is subjected to a serious frontal collision, the pretensioner will be activated to tighten the seat belt so as to quickly restrain the occupant's body for better protection.

However, the pretensioner may not be activated during a minor frontal collision, side collision or rear-end collision.

■ Emergency locking retractor (ELR)

The retractor will lock the seat belt in the event of emergency braking or a collision. It will also lock the seat belt if you lean forward too quickly. Slow and smooth movement can stretch the seat belt, so that you can move freely.

■ Use of child seat belt

The seat belts on the vehicle are mainly designed for adults.

- Children shall use appropriate child restraint systems until they become large enough to wear the vehicle's seat belt.
- When children become large enough to wear the vehicle's seat belt, follow the instructions for using the seat belt. (See P.26)

■ Replacement of seat belt after pretensioner activation

- If the vehicle is involved in multiple collisions, the seat belt pretensioner will be activated during the first collision, but no longer be activated during the second and subsequent collisions.
- After the seat belt pretensioner is activated in a collision, please contact an authorized FAW Hongqi dealer to replace the seat belt in time.

■ Seat belt regulations

If there are seat belt regulations in your country or region, please contact an authorized FAW Hongqi dealer for replacement or installation of the seat belt.



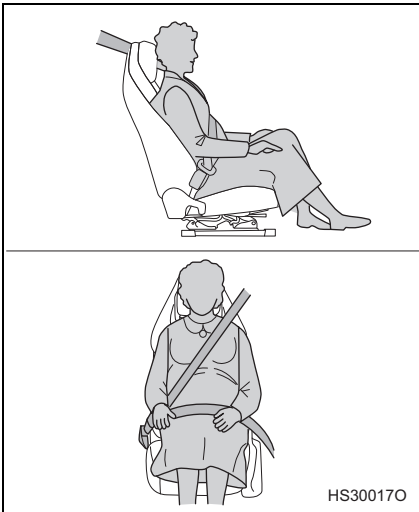
WARNING

To reduce the risk of injury due to emergency braking, emergency steering, or accidents, observe the following precautions; otherwise, serious injury or death may be caused.

■ Fasten the seat belt properly

- Make sure that all occupants have fastened the seat belts.
- Be sure to fasten the seat belt correctly at all times.
- Do not over-recline the seat for comfort. The seat belt provides the maximum protection only when you sit up straight with your back against the seat back.
- Do not place the shoulder belt under your arms.
- Be sure to spread the seat belt as low as possible across the hips.

■ Pregnant women



- Please follow your doctor's advice and properly fasten the seat belt.
- Like other occupants, pregnant women should also spread the lap belt as low as possible across the hips. The shoulder belt should be stretched obliquely along the shoulders and across the chest, and avoid contact with the raised abdomen.
- If the seat belt is not properly fastened, in emergency braking or a collision, pregnant women and fetus may suffer from serious injury or even death.

■ Patients

Please follow your doctor's advice and properly fasten the seat belt.

■ When a child is in the vehicle

Do not let the child play the seat belt. If the seat belt is wrapped around the child's neck, asphyxiation or other serious injury that could result in death may be caused.

If the seat belt cannot be unfastened in such a case, cut off the seat belt with a pair of scissors.



WARNING

■ **Fasten the seat belt correctly**

- It is very dangerous for the driver to sit in the wrong posture or fasten the seat belt in the wrong way. The pretensioners and load limiters cannot provide adequate protection due to incorrect fastening of seat belt, which may result in serious personal injury.
- The incorrect fastening of seat belt is very dangerous. During a collision, an occupant who fastens the seat belt incorrectly may collide with other persons or objects in the vehicle, or may even be thrown out of the vehicle, resulting in serious injury or even death. In the same collision, an occupant who fastens the seat belt correctly will be safer.

■ **Do not twist the seat belt when fastening it**

A twisted seat belt is very dangerous. During a collision, the seat belt cannot fully utilize its full width to absorb the impact force, so that more force is exerted on the bones under the seat belt, which can result in serious injury or even death.

■ **Do not share a seat belt with others**

It is very dangerous to share a seat belt with others (including children). Because the seat belt cannot properly disperse the impact force, and the occupants can collide with each other, causing serious injury or even death.

■ **Adjustable shoulder belt anchorages (front seats)**

Make sure that the shoulder belt crosses the middle of the shoulder. The seat belt should be away from the neck, but shall not slip off the shoulder. Otherwise, the protective effect of the seat belt may be reduced in the event of an accident, and serious injury or death may be caused in case of emergency braking, sudden steering or accident.

■ **Do not over-recline the seat**

Do not over-recline the seat for comfort. The seat belt provides the maximum protection only when you sit up straight with your back against the seat back.

**WARNING**

■ **Do not drive the vehicle with a damaged seat belt**

The use of a damaged seat belt is very dangerous. An accident may result in damage to the seat belt. The damaged seat belt fails to provide adequate protection in a collision. After an accident, all seat belt systems shall be thoroughly inspected by an authorized FAW Hongqi dealer before use.

■ **Seat belt pretensioner**

Immediately after any collision, please contact an authorized FAW Hongqi dealer for inspection of seat belt pretensioners and airbags. As with airbags, the seat belt pretensioners can only be used once and must be replaced after activation in a collision. If not replaced, the risk of serious injury to the occupants may be increased during the second collision.

■ **Damage and wear of seat belt**

- Do not allow the seat belt or latch plate get caught in the door as this may damage the seat belt.
- Check the seat belt regularly. Check the seat belt for cuts, wear and looseness. Do not use a damaged seat belt, but replace it. A damaged seat belt cannot protect the occupant and could result in serious injury or even death.
- Make sure that the latch plate and buckle of seat belt are locked and the seat belt is not twisted.
If the seat belt fails to work properly, please immediately contact an authorized FAW Hongqi dealer.
- If the vehicle is involved in a serious accident, replace the seat belt together with the seat assembly even if there is no significant damage.
- Do not install, remove, modify, disassemble or discard the seat belt without authorization. Please contact an authorized FAW Hongqi dealer for necessary treatment.

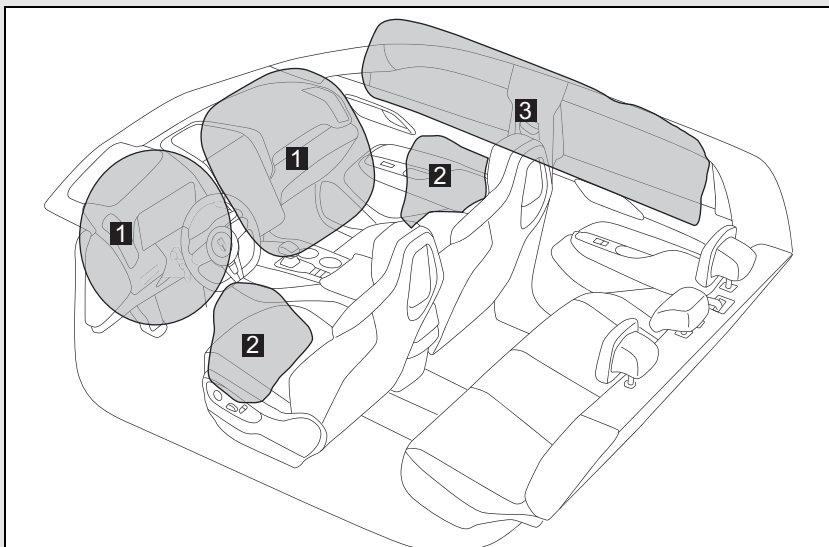
**CAUTION**

■ **Keep seat belt clean**

If the seat belt is dirty, it may be difficult to be retracted. Please keep the seat belt clean. (See P.334)

Airbag

The airbag is a passive safety protection device designed to mitigate or avoid the injury to the occupants when the vehicle is subjected to serious collisions that may cause serious injuries to the occupants. In certain serious collisions, the airbag can be deployed. The vehicle is equipped with multiple airbags. The airbags and seat belts work together to reduce the risk of serious injury or even death. (The shape of the deployed airbag is only for reference)



1 Driver's airbag/front passenger's airbag

To help protect the driver's and front passenger's head and chest from the impact of interior components.

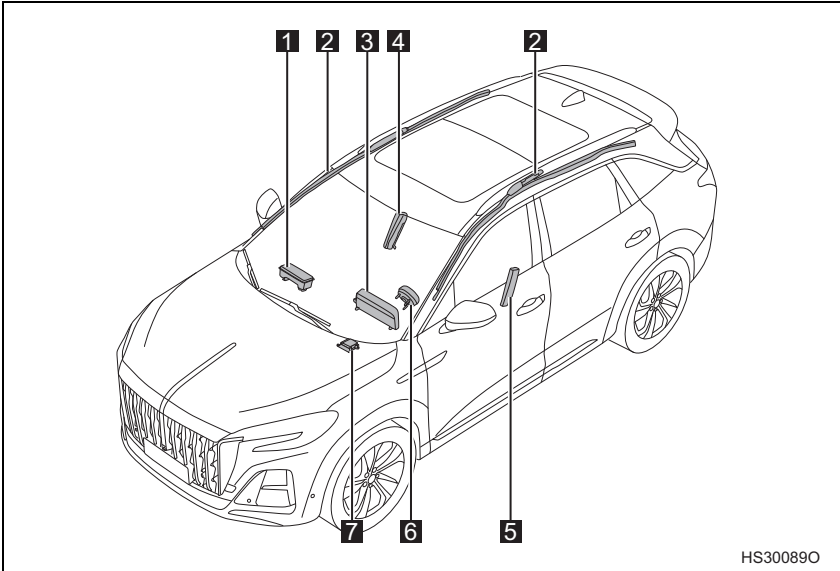
2 Driver's seat airbag/front passenger's seat airbag

To help protect the driver's and front passenger's torso.

3 Curtain airbag

To help protect the heads of the driver, front passenger, and rear outer occupant.

Components of supplemental restraint system (SRS)



- | | |
|--|--|
| 1 Front passenger's airbag | 2 Curtain airbag |
| 3 Airbag fault warning lamp | 4 Front passenger's seat airbag |
| 5 Front passenger's seat airbag | 6 Driver's airbag |
| 7 Airbag control unit | |

These are the main components of the SRS.

In the event of severe frontal or side collision, the SRS triggers the airbag inflator. The chemical reaction in the airbag inflator can quickly fill the airbag with non-toxic gas to avoid injury to the occupants due to a secondary collision with interior components.



WARNING

■ Precautions for airbag

Please observe the following precautions for airbags. Failure to do so may result in serious personal injury or even death.

- The driver and other occupants in the vehicle must correctly fasten the seat belts.

The airbag is an auxiliary device used in conjunction with the seat belt.

- The driver's airbag deploys with considerable force, and if the driver is too close to the airbag, serious injury or death may be caused.
- The high-risk zone for the driver's airbag is the first 0-100 mm of deployment. Keep at least 300 mm away from the driver's airbag. This is the distance from the center of the steering wheel to the sternum of the driver. If you are sitting at a distance of less than 300 mm, you can adjust the driving position using the following methods:
 - Move the seat to the rear as far as possible, but it is still the prerequisite to depress the pedals easily.
 - Slightly tilt the seat back backward. If it is difficult to see the road ahead after the seat back is tilted, use a hard anti-slip seat cushion to lift the body or raise the seat.
 - Adjust the steering wheel to tilt it downward as far as possible. This allows the airbag to face the driver's chest rather than the head and neck.

When the driver's seat is adjusted in accordance with the above recommendations, the pedals and steering wheel should be kept in the driver's control range, and control switches of the instrument panel are within the driver's field of view.

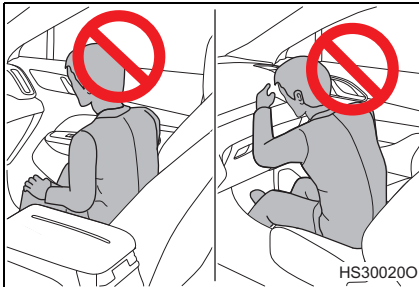
- When scrapping the vehicle or the components of SRS and pretensioner seat belts, please observe the relevant safety regulations.

■ Fasten the seat belt properly

Always fasten the seat belt when driving a vehicle equipped with airbags. It is very dangerous to rely solely on the airbag in an accident. Because only the airbag may not be able to avoid serious injury. Therefore, be sure to fasten the seat belt when driving or riding the vehicle.

⚠ WARNING**■ Precautions for airbag**

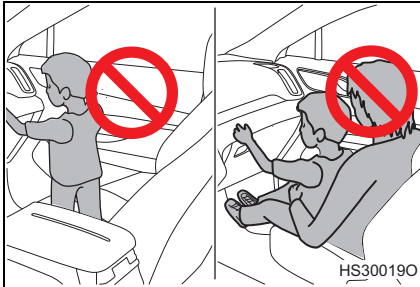
- The front passenger's airbag deploys with considerable force, and if the front passenger is too close to the airbag, serious injury or death may be caused. The front passenger's seat should be as far away from the airbag as possible, and the seat back should be adjusted so that the front passenger can sit upright.
- Improperly seated/protected infants and young children may suffer from serious injury or death due to airbag deployment. Infants and young children who are unable to use the seat belts shall be properly restrained by child restraint systems. We strongly recommend that the infants and young children use child seats and the child seats be placed on the rear seats of the vehicle. For infants and young children, the rear seats are safer than the front passenger's seat.



- Do not lean against the instrument panel, A-pillars, roof side rails, door parts or seat edges, otherwise, when the front passenger's airbag is deployed, it may cause a strong head impact, resulting in serious injury or even death (when children are in the vehicle, more attention shall be paid).

⚠ WARNING

■ Precautions for airbag



- Do not allow children to stand in front of the front passenger's airbag.
- Do not allow children to sit on the front passenger's lap. Do not place items on the front passenger's lap.



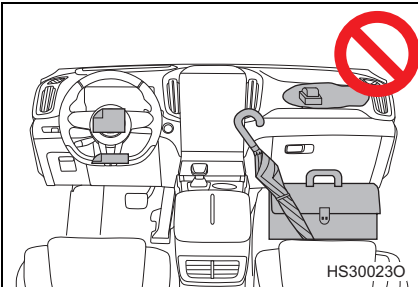
- Do not lean against the doors, roof side rails, A-pillars, B-pillars or C-pillars.

⚠ WARNING

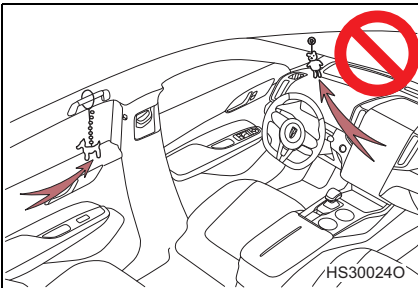
■ Precautions for airbag



- Do not face the door and kneel on the seat or extend the head and hand out of the vehicle.



- Do not attach or lean any items to the instrument panel, driver's airbag cover, etc. These items may be ejected upon deployment of driver's airbag or front passenger's airbag.



- Do not tie anything to the doors, windshields, windows, A-pillars, B-pillars, C-pillars, roof side rails, roof grab handles, etc.
- Do not hang coat hangers or other hard objects on the coat hooks. If the curtain airbag is deployed, these objects may be ejected, resulting in serious injury or death.



WARNING

■ Precautions for airbag

- Do not use such seat accessories that will cover the seat airbag or its deployment area, as they may interfere with deployment of the airbag.
- Do not strike the area where the airbag is located or apply excessive force to it, as this may cause the airbag to malfunction.
- Do not touch the related parts immediately after the airbag is deployed (inflated), as they may be hot.
- If you feel it difficult to breathe after deployment of the airbag, open the door or window for ventilation, or leave the vehicle if it is safe to do so. Rinse the residue on the body as soon as possible so as to avoid skin irritation.
- If the area where the airbag is located (such as the driver's airbag cover and instrument panel) is damaged or cracked, please contact an authorized FAW Hongqi dealer for replacement.

■ After the airbag is deployed in the event of a collision

The SRS can only provide the protection in an accident for one time. After the airbag is deployed in the event of a collision, please go to an authorized FAW Hongqi dealer for replacement of airbag, airbag control unit and related components, and the original components shall not be used.

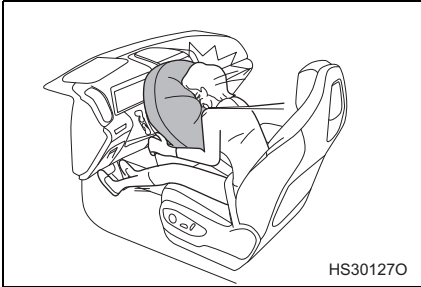
■ Modification and scrapping of SRS components

Please do not scrap the vehicle or make the following modifications before consulting an authorized FAW Hongqi dealer.

Otherwise, the airbag may malfunction or deploy (inflate) unintentionally, resulting in serious injury or even death.

- Installation, removal, disassembly and repair of airbag.
- Repair, modification, removal or replacement of steering wheel, instrument panel, seat or seat trims, A-pillar, B-pillar, C-pillar or roof side rail.
- Repair or modification of front fender, front bumper or sides of passenger compartment.
- Retrofitting of front grille with snow plow, winch and other tools.
- Modification of suspension system.
- Installation of portable two-way radio.

■ When the airbag is deployed (inflated)



- The airbag deploys with considerable force, and if the occupant is too close to the airbag, serious injury or death may be caused.
 - The airbag deploys with ignition sound and smoke, but no fire will occur. If people with respiratory tract diseases such as asthma inhale the gas, they may experience breathing difficulties. In this case, it is relatively safe to immediately evacuate from the vehicle. If evacuation is impossible, open the windows and doors to take in the fresh air.
 - The airbag deployment speed is very high, which may cause minor scratch, scalding or other injuries.
 - If the residue (gas, etc.) from airbag deployment splashes into the eyes or attaches to the skin, rinse the affected area with fresh water as soon as possible. Sensitive skin may have allergic reactions.
 - The SRS module components (including the steering wheel, airbag cover and inflator), as well as the front seat, A-pillar and roof side rail may become hot in a few minutes. The airbag itself may also become hot.
 - The front windshield may be broken.
- ## ■ Airbag trigger factors
- The triggering range of airbag in various accident situations cannot be determined in general terms, because the specific circumstances of the accidents vary greatly. For example, the nature (hardness) of the object that the vehicle collides with, the angle of collision, and the speed of the vehicle are all important trigger factors for the airbag.
 - The decisive trigger factors for the airbag are the deceleration and pressure curves that are produced in the event of a collision. The sensors installed on the vehicle, together with the electronic control units, identify the severity of the collision, and thus selectively trigger the airbag in a timely manner. If the deceleration value or pressure value generated and measured during a collision is lower than the reference value preset in the control unit, the airbag will not deploy even though the vehicle may have been deformed to a certain extent in the accident.

■ Operating conditions (driver's airbag/front passenger's airbag)

- In the event of a more severe frontal collision, where the degree of collision exceeds a set threshold, the driver's airbag/front passenger's airbag will be deployed.

However, if the vehicle hits a movable or deformable object (such as a parked vehicle or a signal post) or in case of an "underrun" (such as a collision in which the front of the vehicle "penetrates" beneath a truck's cargo compartment), the airbag may not deploy.

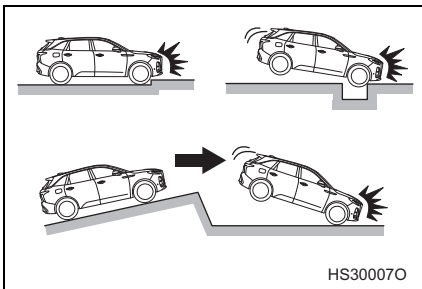
- In some collisions, the forward deceleration of the vehicle is very close to the design threshold, but the frontal airbag and seat belt pretensioner may not be activated.

■ Operating conditions (seat airbag and curtain airbag)

- In the event of a severe side collision, the collision degree exceeds the set threshold, the seat airbag and curtain airbag on collision side will deploy.
- In some special accidents, the seat airbag and curtain airbag may deploy together with the driver's airbag/front passenger's airbag.

■ Other cases where the airbag may deploy (except for collisions)

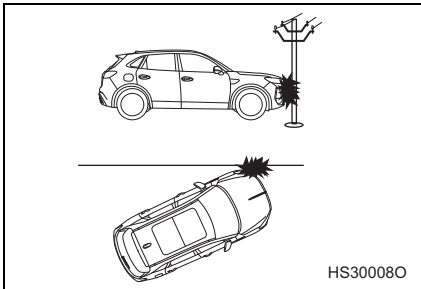
If the bottom of the vehicle is severely impacted, the driver's airbag and front passenger's airbag also be deployed.



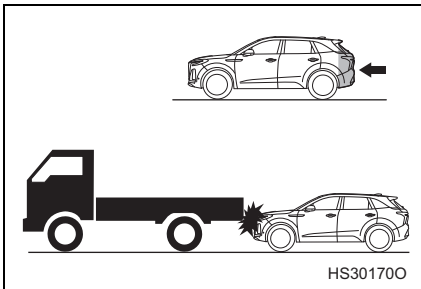
- The vehicle hits a curb, sidewalk edge, or hard surface
- The vehicle falls into or jumps over a deep pit
- The wheels are hard grounded or the vehicle falls

■ Cases where the airbag (driver's airbag/front passenger's airbag) may not deploy

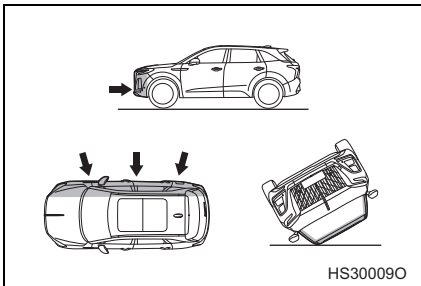
The driver's airbag/front passenger's airbag may not deploy during the collision with cylindrical objects such as utility poles and trees, non-frontal collision with walls and highway guardrails, rear-end collision, collision with the rear of truck or going under the bottom of truck, low-speed frontal collision, side collision or rollover. However, as long as the collision causes the vehicle to have a sufficient forward deceleration, the airbag may deploy.



- Collision with cylindrical objects such as utility poles and trees
- Non-frontal collision with walls and highway guardrails



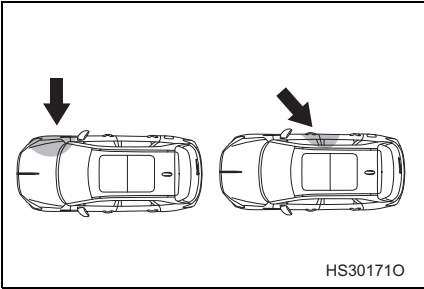
- Rear-end collision
- Collision with the rear of the truck, or going under the bottom of truck



- Low-speed frontal collision
- Side collision
- Rollover

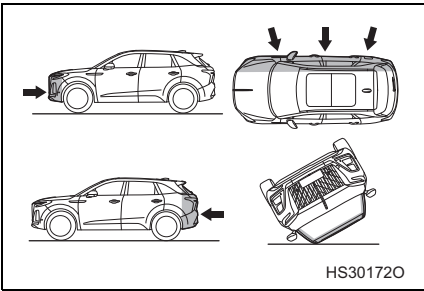
■ **Cases where the airbag (seat airbag/curtain airbag) may not deploy**

If the vehicle is subjected to a side collision of non-passenger compartment, or a side collision of vehicle body at an angle, the seat airbag/curtain airbag may not deploy



- Side collision of non-passenger compartment
- Side collision of vehicle body at an angle

Generally, the seat airbag/curtain airbag will not deploy when the vehicle is subjected to a low-speed frontal collision, low-speed side collision, rear-end collision or rollover.

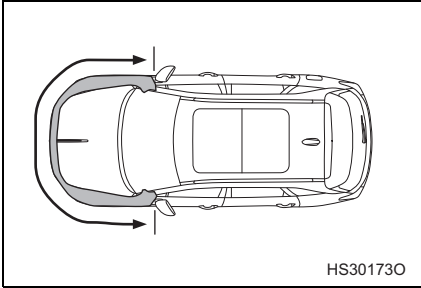


- Low-speed frontal collision
- Low-speed side collision
- Rear-end collision
- Rollover

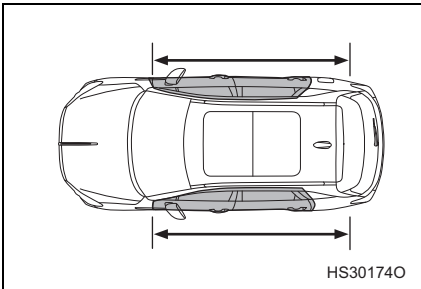
■ When to contact an authorized FAW Hongqi dealer

In the following cases, the vehicle needs to be inspected and/or repaired. Please contact an authorized FAW Hongqi dealer as soon as possible.

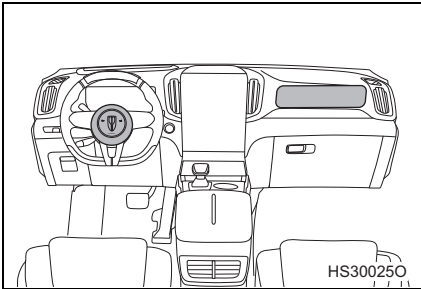
- Any airbag has been deployed.



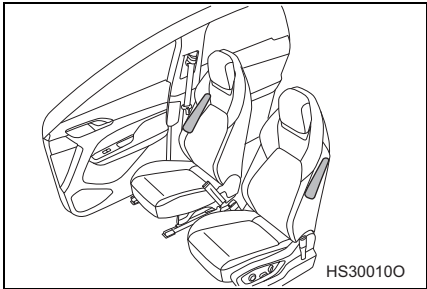
- The front of the vehicle is damaged or deformed, or a collision in which the airbag is not deployed has occurred.



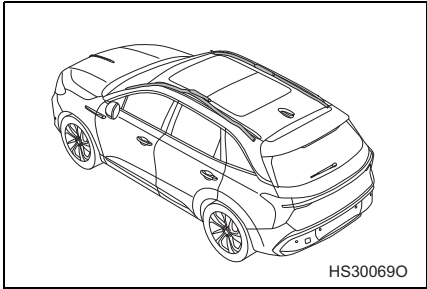
- The door or the area around the door is damaged or deformed, or a collision in which the seat airbag and curtain airbag are not deployed has occurred.



- There are scratches, cracks or other damages on the driver's airbag cover or the instrument panel near the front passenger's airbag.



- There are scratches, cracks or other damages on the surface of the seat equipped with seat airbag.



- There are scratches on the curtain airbag, and cracks or other damages on the parts such as the A-pillar, B-pillar, C-pillar protectors, roof, handle, reading lamp, etc.

1-1. Instructions for safe use

Child safety information

1

Instructions before driving

Always observe the following precautions when any child is inside the vehicle.

Children shall use appropriate child restraint systems until they become large enough to wear the vehicle's seat belt.

- It is recommended that the child sit in the rear seats to prevent accidental contact with the shift lever, wiper switch, etc.
- During driving, use rear door child safety lock and window locking switch to prevent children from opening the door and operating the power window accidentally.
- Do not allow the child to operate devices that may pinch any body part (such as power window, engine hood, trunk lid, seat, etc.)



WARNING

■ **Do not allow children to carry the vehicle key or play alone in the vehicle**

- It is very dangerous for children to play in the folded rear seat. Once the seat back returns to its original position, children may be trapped inside the closed trunk and unable to leave. To prevent such incidents, make sure the seat back is locked in place.
- Never leave children unattended in the vehicle. Do not allow children to carry or use the key.
Children may start the vehicle or operate the shift lever. Children may also get injured while playing with windows, sunroof or other vehicle equipment. In addition, too high or too low temperature inside the vehicle may cause fatal injury to children.

■ **Always lock the vehicle, and keep the key out of reach of children**

It is dangerous if the vehicle is locked improperly while leaving the vehicle or place the key within the reach of children. The child who enters the trunk through an open trunk may get locked in the trunk by accident. Especially in summer, the child may suffer from heat exhaustion, resulting in brain injury and even death. Regardless of whether you have children, always lock the doors and trunk. Also, for further safety, make sure the rear seat backs are locked.

1-1. Instructions for safe use

Child restraint system

FAW strongly recommends that you use the child restraint system.

Precautions

The study shows that the child will be safer if the child restraint systems is installed in the rear seat other than in the front passenger's seat.

- Please select the appropriate child restraint system according to the weight and size of the child.
- For installation details, see the instructions attached to the child restraint system.
This manual provides general installation instructions.
- FAW recommends that you use a child restraint system that complies with GB 27887-2011 regulation.

Type of child restraint system

According to GB 27887-2011 regulation, the child restraint system can be divided into the following five groups:

Group 0: < 10 kg

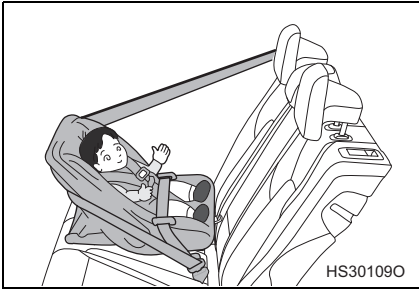
Group 0+: < 13 kg

Group I: 9-18 kg

Group II: 15-25 kg

Group III: 22-36 kg

Here are 3 types of child restraint systems that can be secured with seat belts:



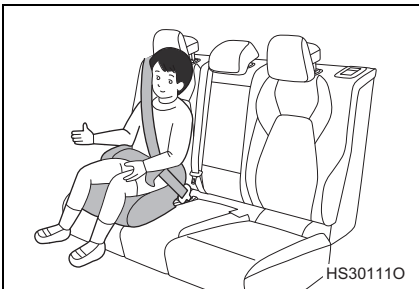
► **Weight grade 0/0+ group**

For children aged 0-18 months, it is most suitable to use the rear-facing infant seat of grade 0/0+ or 0/1.



► **Weight grade 0+/I group**

After reaching the corresponding weight limit, it is most suitable to use group I (4 years old and below) child seat with built-in seat belt system.



► **Weight grade II/III group**

Group II and III are divided into child seats with seat back and child seats without seat back. The child seat with seat back has better protection function than the child seat without seat back due to its built-in seat belt guide and side pad. Therefore, our company recommends the use of child seat with seat back. Child seat of group II is suitable for children under 7 years old, while group III is suitable for children 7 years old or above.

Not all children meet the above weight classification grades, and similarly, not all seats are suitable for installation in this vehicle. Therefore, it is necessary to verify whether the child seat is suitable for children to sit safely and whether it can be reliably installed in this vehicle.



WARNING

■ **The vehicle has no airbag deactivation function, so it is strictly prohibited to install any child restraint system in the front seat. Please install the child restraint system in the outside rear position.**

■ **Precautions for child restraint system**

- Even if the child restraint system is properly used, the head or any part of body cannot lean to the door, seat or roof side rail (where the seat airbag or curtain airbag may deploy). Otherwise, the large impact force generated by the deployed seat airbag or curtain airbag may result in serious injury and even death to the child.
- The child must be restrained by a seat belt or child restraint system according to the weight and size of the child to effectively protect the child in the event of an accident and emergency braking. Holding the child in your arms does not replace the role of a child restraint system. During an accident, the child may collide with the windshield or be squeezed between you and the compartment.
- Always follow the manufacturer's instructions and make sure the child restraint system is securely fastened at all times.
Failure to secure the child restraint system is very dangerous. During emergency braking or a collision, the child restraint system may move, causing serious injury or death to the child or other occupants.

Information about the applicability of different seating positions for seat belt-secured child restraint system

Weight group	Seating position (or other positions)		
	Front passenger's seat	Outside rear seat	Rear center seat
Group 0: < 10 kg	X	U	X
Group 0+: < 13 kg	X	U	X
Group I: 9-18 kg	X	U	X
Group II: 15-25 kg	X	U	X
Group III: 22-36 kg	X	U	X

The meanings of above alphabets are:

- U: The general child restraint system approved for this weight group is applicable.
- X: This seating position is not applicable to the child restraint system in this weight group.

Information about the applicability of different ISOFIX positions for ISOFIX child restraint system

Weight group	Size	Anchorage	ISOFIX position in the vehicle	
			Rear left seat	Rear right seat
Carry cot	F	ISO/L1	X	X
	G	ISO/L2	X	X
Group 0: < 10 kg	E	ISO/R1	IL	IL
Group 0+: < 13 kg	E	ISO/R1	IL	IL
	D	ISO/R2	IL	IL
	C	ISO/R3	IL	IL
Group I: 9-18 kg	D	ISO/R2	IL	IL
	C	ISO/R3	IL	IL
	B	ISO/F2	IUF	IUF
	B1	ISO/F2X	IUF	IUF
	A	ISO/F3	IUF	IUF
Group II: 15-25 kg		-	IL	IL
Group III: 22-36 kg		-	IL	IL

The meanings of above alphabets are:

IUF: The general front-facing ISOFIX child restraint system approved for this weight group is applicable.

IL: The special ISOFIX child restraint systems as listed are applicable, which may be for special vehicles, restricted categories or semi-general categories.

X: The ISOFIX position is not applicable to the ISOFIX child restraint system in this weight group and/or size class.

■ Choose an appropriate child restraint system

- Children shall use appropriate child restraint systems until they become large enough to wear the vehicle's seat belt.
- If the child is too large for a child restraint system, sit the child on rear seat and use the vehicle's seat belt.

Note: FAW recommends that you use the GLOBALKIDS - TALENT PLUS child seat, which can be purchased through its official website <https://globalkids.tmall.com/>. For children weighing no more than 18 kg (reference age is 4 years old), the GLOBALKIDS - TALENT PLUS rear-facing child seat of 0+/- group recommended by FAW must be installed in a rear-facing manner, and the fixing method not only uses ISOFIX and legs, but also is restrained by three-point seat belt.



WARNING

■ Manufacturer's instructions for child restraint system

Always observe the manufacturer's instructions when selecting, installing and using a child restraint system, otherwise the desired protection may not be obtained.

■ When a child is in the vehicle

Do not let the child play the seat belt. If the seat belt twists around the neck, the child may suffer from suffocation or other serious injury, and even death. If the seat belt cannot be unfastened in such a case, cut off the seat belt with a pair of scissors.

■ When the child restraint system is not used

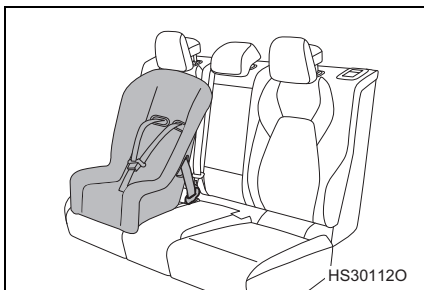
- The child restraint system should be properly secured on the seat even if it is not being used.
Do not place an unsecured child restraint system in the passenger compartment.
- If the child restraint system must be removed, remove it and secure it in the trunk. If the headrest is removed to facilitate the installation of child restraint system, always refit the headrest before driving. Otherwise, the occupants may get injured in case of emergency braking or accident.

■ Use the child restraint system

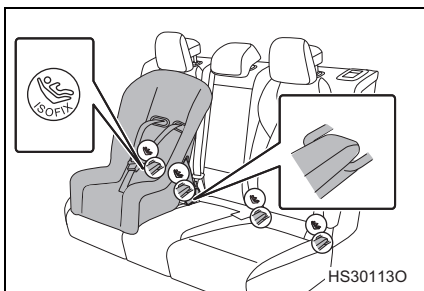
If an inappropriate child restraint system is used for this vehicle, the infant or child may not be properly protected, and the serious injury and even death may occur (in case of emergency braking or accident).

Installation of child restraint system

Please observe the instructions provided by the child restraint system manufacturer. Secure the child restraint system to the seat with seat belt or ISOFIX rigid anchorages. Fix the top tether during the installation of the child restraint system.

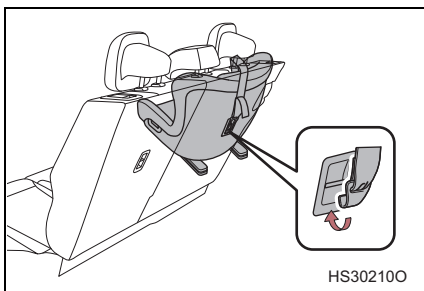


Secure with seat belt.



Secure with ISOFIX rigid anchorages.

The outside rear seats are equipped with lower anchorages. (There are marks showing the anchorage positions on the seats)



Anchorage support (for top tether).

The outside rear seats are equipped with anchorage supports.

Installation of child restraint system with seat belt

Be sure to properly fasten the seat belt or install the child seat in accordance with the child seat manufacturer's instructions, as the installation of the child seat is different.

If the headrest interferes with the child restraint system and cannot be installed properly, the headrest can be rearranged or removed to ensure that the child seat is properly installed and adjusted.

Installation of child restraint system with ISOFIX rigid anchorages



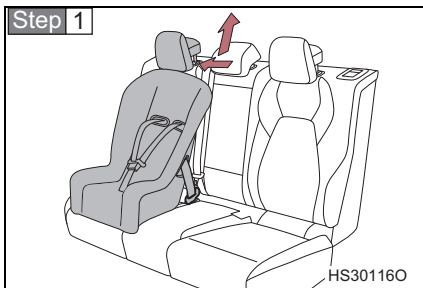
Step 1 Slightly increase the gap between the seat cushion and the seat back.

Step 2 Insert the buckle into the dedicated fixing bar.

If the headrest interferes with the child restraint system and cannot be installed properly, remove the headrest before installing the child restraint system.

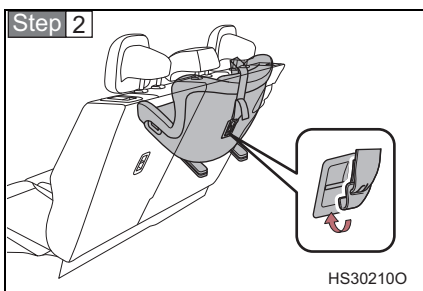
If the child restraint system has a top tether, fix the top tether onto the anchorage support.

Child restraint system with top tether



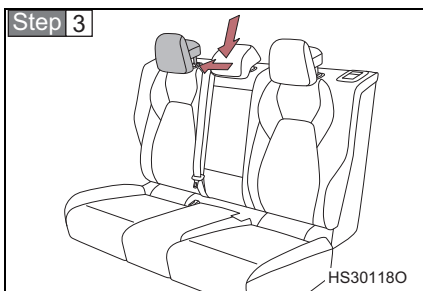
Secure the child restraint system with seat belt or ISOFIX rigid anchorages.

If the headrest interferes with the child restraint system and cannot be installed properly, remove the headrest before installing the child restraint system.



Clamp the hook onto the anchorage support, and fasten the top tether.

Make sure that the top tether is fastened.



Reinstall the headrest.

⚠ WARNING**■ When installing the child restraint system**

Please observe the following precautions, otherwise serious injury or death may occur.

- Tie up the top tether firmly, and make sure that the seat belt is not twisted.
- Do not tie the top tether to any object rather than the anchorage support.
- Push and pull the child restraint system in different directions to make sure it is securely installed.
- Do not adjust the seat after the child restraint system is installed. If the seat is adjusted, the safety of the child restraint system should be reconfirmed.
- Please observe the installation instructions provided by the child restraint system manufacturer.



- If the driver's seat causes inconvenience to the installation of the child restraint system, install the child restraint system on the rear right seat.
- Adjust the front passenger's seat so that it does not interfere with the child restraint system.

- Please observe the instructions attached to the child restraint system, and secure the child restraint system in place. The improper securing will cause serious injury and even death to the child or other occupants in case of emergency braking or accident.



- The labels attached to inner and outer sides of sun visor on front passenger's side remind you not to place rear-facing child restraint systems on airbag-protected seats. For details about label, see the figure.



WARNING

■ Secure the child restraint system to the anchorage correctly

When using a lower anchorage, make sure that there are no foreign objects around the anchorage and that the seat belt is not stuck behind the child restraint system. Make sure that the child restraint system is securely fastened, otherwise serious injury or death of the child or other occupants may occur in emergency braking or in an accident.

Precautions for exhaust gas

Exhaust gas contains substances harmful to human body.



WARNING

Exhaust gas contains colorless and odorless harmful gas - carbon monoxide (CO).

Please observe the following precautions. Otherwise the exhaust gas may enter the vehicle, causing dizziness and accidents, or seriously endangering health and even leading to death.

■ Important when driving

- Keep the trunk lid closed.
- If you can smell exhaust gas in the vehicle even if the trunk lid is closed, open the windows and contact an authorized FAW Hongqi dealer to inspect the vehicle as soon as possible.

■ When parking

- If the vehicle is parked in a poorly ventilated or closed place (such as garage), please turn off the engine.
- Do not keep the engine running for a long time.
If this situation cannot be avoided, please park the vehicle in an open place and make sure that the exhaust gas does not enter the vehicle.
- Do not keep the engine running in places with deep snow or where are snowing. If snow mounds form around the vehicle while the engine is running, accumulated exhaust gas may enter the vehicle.

■ Exhaust pipe

The exhaust system should be checked regularly. If there are holes or cracks, joint damage or abnormal exhaust noise due to corrosion, please contact an authorized FAW Hongqi dealer to inspect and repair the vehicle.

Indicator lamp

Indicator lamps indicate the current working status of the vehicle systems.



Left turn signal indicator lamp



Right turn signal indicator lamp



Position lamp ON indicator lamp



Door opening indicator lamp



Low beam ON indicator lamp



High beam ON indicator lamp



Rear fog lamp ON indicator lamp



SACC system steering assist ON indicator lamp



SACC system steering assist working indicator lamp



HDC system working indicator lamp



ESC system working indicator lamp (Flashing)



ESC system OFF indicator lamp



Idle stop-start working indicator lamp



Idle stop-start limited indicator lamp



Idle stop-start OFF indicator lamp



TSR system intelligent speed limit - traffic sign recognition indicator lamp



EPB working indicator lamp



AUTO HOLD working indicator lamp



FCW system OFF
indicator lamp



LDW/LKA system ON
indicator lamp



Cruise control ON
indicator lamp



ACC system ON
indicator lamp



DSM system warning
indicator lamp



BSD system OFF
indicator lamp



Failed key
identification indicator
lamp



AEB system OFF
indicator lamp



LDW/LKA system
working indicator lamp



Cruise control working
indicator lamp



ACC system working
indicator lamp



Unable to switch
indicator lamp in
driving mode



Maintenance indicator
lamp



Outside ambient
temperature display
Indicator lamp

1-2. Warning lamps and indicator lamps

Warning lamp

If any warning lamp comes on or flashes, please keep calm and take the following measures. If any warning lamp comes on or flashes but then goes out, it does not necessarily indicate that the system is faulty. However, if this situation persists, please contact an authorized FAW Hongqi dealer to inspect the vehicle.

List of warning lamps

Warning lamp	Warning lamp/detailed description/countermeasures
	Engine control system fault warning lamp • If this warning lamp remains on after the engine is started, it indicates a fault in the engine control system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Fault warning lamp of engine exhaust monitoring system • If this warning lamp remains on after the engine is started, it indicates a fault in the exhaust monitoring system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	12 V battery charging fault warning lamp • If this warning lamp remains on after the engine is started, it indicates a fault in the charging system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Fuel system warning lamp • It indicates a low fuel level or a fault in the fuel system. → Please fill up the fuel or contact an authorized FAW Hongqi dealer immediately.

Warning lamp	Warning lamp/detailed description/countermeasures
	Abnormal oil pressure warning lamp • It indicates a low oil pressure. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	SRS fault warning lamp • It indicates a fault in SRS. → Immediately contact an authorized FAW Hongqi dealer.
	Seat belt unfastened warning lamp • It indicates that the driver's or passenger's seat belt is not fastened. → Fasten the driver's and passenger's seat belts.
	Transmission system/electronic shift system fault warning lamp • It indicates a fault in transmission system/electronic shift system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Engine IMMO system fault warning lamp • It indicates a fault in the engine IMMO system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Ignition switch fault warning lamp • It indicates a fault in engine (ignition) switch. → Immediately contact an authorized FAW Hongqi dealer.
	Smart start system fault warning lamp • It indicates a fault in the smart start system. → Immediately contact an authorized FAW Hongqi dealer.
	Low key battery warning lamp • It indicates a low key battery. → Replace the key battery.

Warning lamp	Warning lamp/detailed description/countermeasures
	Electronic wiper system fault warning lamp • It indicates a fault in the electronic wiper system. → Immediately contact an authorized FAW Hongqi dealer.
	Lamp unit fault warning lamp • It indicates a fault in external lamp units. → Check for faults in external lamp units and harness connectors or contact an authorized FAW Hongqi dealer immediately.
	Low washer fluid level warning lamp • It indicates a low washer fluid level. → Add washer fluid or contact an authorized FAW Hongqi dealer immediately.
	Cooling system fault warning lamp • It indicates a high coolant temperature or a fault in the cooling system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Low brake fluid level/brake system fault warning lamp • It indicates a fault in the brake system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer. It is risky to keep driving in this case.
	Brake system fault/HBA warning lamp • It indicates degraded brake system performance or a fault in the brake assist. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer. It is risky to keep driving in this case.
	HDC system fault warning lamp • It indicates a fault in the HDC system. → Immediately contact an authorized FAW Hongqi dealer.

Warning lamp	Warning lamp/detailed description/countermeasures
	EPS system fault warning lamp • The EPS system fault warning lamp comes on, indicating a common fault in the EPS. → Please drive carefully and contact an authorized FAW Hongqi dealer.
	EPS system major fault warning lamp • It indicates a major fault in the EPS. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	ESC system fault warning lamp (remains on) • It indicates a fault in the ESC system. → Immediately contact an authorized FAW Hongqi dealer.
	ABS system fault warning lamp • It indicates a fault in the ABS system. → Immediately contact an authorized FAW Hongqi dealer.
	AUTO HOLD system fault warning lamp • It indicates a fault in the AUTO HOLD system. → Immediately contact an authorized FAW Hongqi dealer.
	Cruise control system fault warning lamp • It indicates a fault in the cruise control system. → Immediately contact an authorized FAW Hongqi dealer.
	EPB system fault warning lamp • It indicates a fault in the EPB system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.
	Tire pressure abnormal/system fault warning lamp • It indicates a fault in the TPMS system or abnormal tire pressure. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.

Warning lamp	Warning lamp/detailed description/countermeasures
	Automatic headlamp/automatic wiper function fault warning lamp • It indicates a fault in the automatic headlamp/automatic wiper function. → Immediately contact an authorized FAW Hongqi dealer.
	Automatic headlamp leveling system fault warning lamp • It indicates a fault in the automatic headlamp leveling system. → Immediately contact an authorized FAW Hongqi dealer.
	Driving mode selection system fault warning lamp • It indicates a fault in the driving mode selector. → Immediately contact an authorized FAW Hongqi dealer.
	Idle stop-start system fault warning lamp • It indicates a fault in the idle stop-start system. → Immediately contact an authorized FAW Hongqi dealer.
	SOS fault warning lamp • It indicates a fault in the SOS system. → Immediately contact an authorized FAW Hongqi dealer.
	Low coolant level warning lamp • It indicates a low coolant level. → Immediately contact an authorized FAW Hongqi dealer.
	Driver assistance system fault warning lamp • It indicates a fault in the driver assistance system. → Immediately contact an authorized FAW Hongqi dealer.

Warning lamp	Warning lamp/detailed description/countermeasures
	Wireless charging fault warning lamp • It indicates a fault in the wireless charging function. → Immediately contact an authorized FAW Hongqi dealer.
	GPF cleaning warning lamp • It indicates that the particulate filter needs to be cleaned by driving vehicle. → Clean by driving vehicle or immediately contact an authorized FAW Hongqi dealer.
	GPF fault warning lamp • It indicates that the carbon load in the particulate filter has exceeded the standard and cannot self-clean. → Immediately contact an authorized FAW Hongqi dealer.
	4WD system fault warning lamp • It indicates a fault in the 4WD system. → Immediately park the vehicle in a safe place and contact an authorized FAW Hongqi dealer.

Note: When the oil pressure warning lamp, high coolant temperature warning lamp or any other indicator lamp comes on, the warning buzzer sounds.

Engine IMMO system

To prevent the vehicle theft, the smart key has a built-in password chip. If the smart key is not registered in the IMMO system in advance, it is impossible to start the engine with the smart key. Different information is registered in the key for different vehicles.

Do not leave the smart key in the vehicle but carry it with you when leaving the vehicle.

This system helps to prevent vehicle theft, but does not prevent all theft and can not guarantee the absolute safety of the vehicle.

Carry the registered key with you and press the engine switch to deactivate the IMMO system.

■ Conditions that may cause system failure

- The key was strongly impacted
- The key is flooded
- The key is at a high temperature place (e.g. on the instrument panel exposed to the sun)
- A magnetic key chain is used
- The key has been cleaned with ultrasonic cleaner
- The key has approached or come into contact with a key of other vehicle (key with built-in transponder chip)

■ If the engine cannot be started by using the correct method, the engine IMMO system may fail. Please contact an authorized FAW Hongqi dealer to inspect your vehicle.



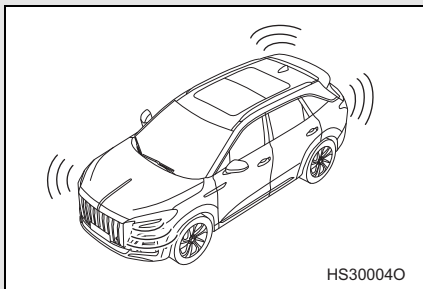
CAUTION

■ Ensure normal operation of the system

Do not modify or disassemble the IMMO system. Otherwise, the IMMO system will not work properly.

Body anti-theft system

The body anti-theft system mainly monitors the status of four doors, engine hood and trunk lid. When the system detects someone entering by force, it will give an alarm and make the turn signal lamps flash continuously.



Body anti-theft system works.

After the driver and all passengers getting off the vehicle, close the doors, trunk lid and engine hood and lock all doors.

Deactivating or stopping the alarm

Perform any of the following operations:

- Use intelligent unlocking, remote unlocking or Hongqi Zhilian APP to remotely unlock/lock the vehicle.
- Turn on the engine switch.

■ Items to be checked before locking the vehicle

To prevent accidental alarm triggering, make sure that there are no people, valuables and other personal belongings in the vehicle and all windows and sunroof are closed before locking the vehicle.

■ When 12 V battery is disconnected

Be sure to deactivate the alarm system.

If the 12 V battery is disconnected before the alarm is deactivated, the alarm may be triggered after the battery is reconnected.



CAUTION

■ Ensure normal operation of the system

Do not modify or disassemble the IMMO system. Otherwise, the IMMO system will not work properly.

2-1. Vehicle inspection

Inspection before
driving70

2-2. Driving in winter

Driving essentials in
winter71

2-3. Refueling

Opening fuel tank
cap74

Inspection before driving

Before driving, it is recommended to check the followings:

- Tire
- Lighting
- Whether there are obstacles around the vehicle
- Whether there is any liquid under the vehicle (dripping water after use of A/C and from the drain hole after cooling of the exhaust pipe are normal phenomenon)

Please obey local regulations and designated traffic regulations, and always remember to drive safely.

Driving essentials in winter

Before driving in winter, please make necessary preparations and inspections. Be sure to drive in a way suitable for the main weather conditions in winter.

■ Preparations for driving in winter

- Use oil and fluids suitable for outdoor temperature.
 - Oil
 - Coolant
 - Washer fluid
- Ensure good battery performance.
- If necessary, install four snow tires or purchase a set of tire chains for driving wheels.

Make sure that all tires are of the same model and brand, and that the size of tire chains matches that of the tires.

■ Before driving

Take the following measures according to driving conditions:

- Do not force open the frozen windows or move the frozen wipers; pour warm water on the frozen parts to melt the ice, and wipe the water immediately to prevent freezing.
- To ensure the normal operation of the fan, clear the snow off the air inlet grille.
- Remove the ice accumulated on the chassis of the vehicle.
- Regularly check and remove the snow and ice that may accumulate on the wheelhouse or brake.
- Remove the snow or mud from soles of shoes before entering the vehicle.

■ During driving

Accelerate slowly and slow down appropriately according to the road conditions.

Selection of tire chain

Use the correct tire chain size when installing tire chains.

The size of tire chain should be adjusted according to the size of each tire.

Regulations on the use of tire chains

Depending on the location and type of road, the regulations regarding the use of tire chains will vary. Be sure to check local regulations before installing tire chains.

■ Tire chain

When installing and removing tire chains, please observe the following precautions.

- Install and remove tire chains in a safe place.
- Re-tension the tire chains after driving 0.5-1.0 km.
- Install tire chains on the driving tires.
- Follow the instructions provided in the manual attached to the tire chain.

**WARNING****■ Driving with snow tires**

In order to avoid the possibility of losing control of the vehicle and causing serious personal injury or even death, and to reduce the risk of accidents, please observe the following precautions:

- Use the specified type of tire.
- Maintain the recommended tire pressure.
- Do not exceed the road speed limit or the prescribed speed limit for snow tires when driving.
- Snow tires should be fitted to all wheels.

■ Driving with tire chains

In order to avoid the possibility of unsafe driving and serious personal injury or even death, and to reduce the risk of accidents, please observe the following precautions:

- Do not exceed the prescribed speed limit for tire chains when driving.
- Avoid driving on uneven or pitted roads.
- Avoid sharp turns or emergency braking.
- Slow down fully before entering the curve to ensure that the vehicle can be controlled.

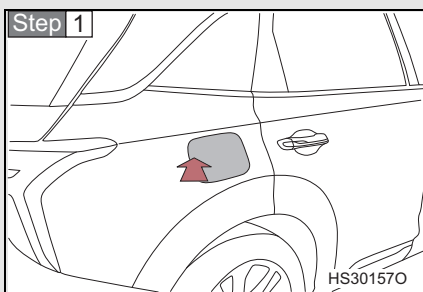
Opening fuel tank cap

Perform the following steps to open the fuel tank cap.

■ Before adding fuel

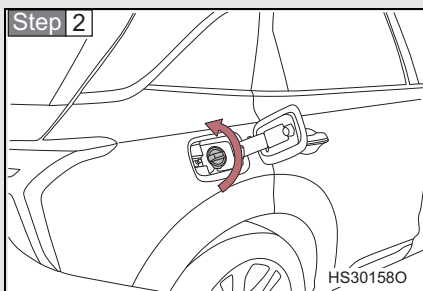
Depress the brake pedal, set the shift lever to P position, apply the parking brake, turn off the engine switch, and make sure all doors and windows are closed.

■ Opening fuel filler cap

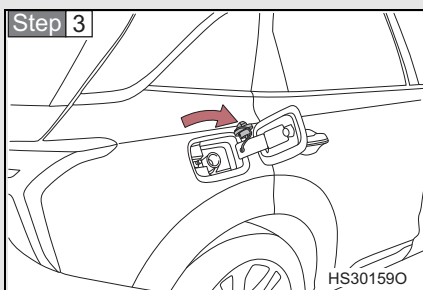


Press and open the fuel filler cap.

The fuel filler cap can be opened only when the entire vehicle is unlocked.

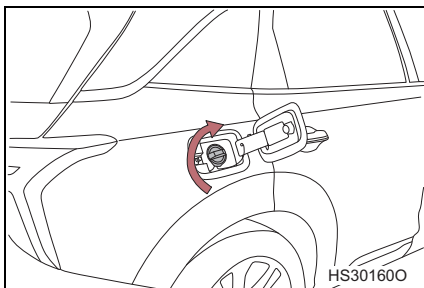


Rotate counterclockwise to open the fuel tank cap.

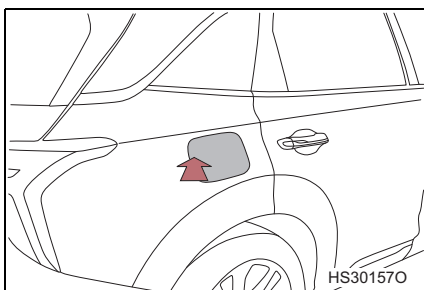


Hang the fuel tank cap on the fuel filler cap.

Closing fuel tank cap



When refitting the fuel tank cap, screw it until you hear a "click" sound.



Press the rear side of fuel filler cap, until you hear a "click" sound.

■ Fuel type

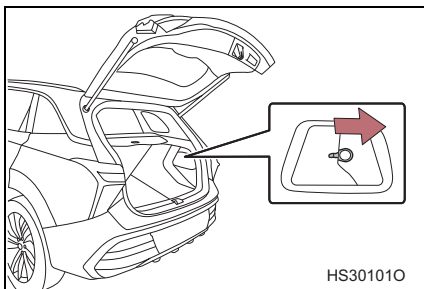
Use only RON 95 and above unleaded gasoline.

■ Fuel tank capacity

(See P.381).

■ In case of failure to open the fuel filler cap

In case of failure to open the fuel filler cap due to low battery or other reasons, the fuel filler cap can be unlocked by emergency unlocking cable.



The emergency unlocking cable is located in the service port on the right side of the trunk. After pulling the cable, open fuel filler cap according to the opening step of fuel filler cap.



WARNING

■ Adding fuel

Please observe the following precautions when refueling:

- Before opening the fuel filler cap and fuel tank cap, it is necessary to remove static electricity that may be present on your body. In the presence of static electricity, the fuel may catch fire due to discharge spark.
- Do not allow people with static electricity approach the open fuel tank.
- When opening the fuel tank cap, grip it and unscrew it slowly. When the temperature is high, the pressure in the fuel tank is high, and fuel vapor may be ejected from the fuel filler. If you hear a "poof" sound while loosening the fuel tank cap, please do not continue to open the fuel tank cap. After the sound disappears, open it slowly.
- Avoid inhaling fuel vapor when refueling, because the fuel contains harmful substances.
- It is strictly forbidden to smoke or use mobile phones when refueling. Otherwise it may cause fire.
- Do not touch other people or objects with static electricity. Otherwise static electricity may accumulate and ignite the fuel.
- Comply with all precautions publicized in the gas station.

■ Precautions when replacing fuel tank cap

Do not use products other than the original fuel tank cap from FAW. Otherwise it may cause poor sealing and lead to accidents.



CAUTION

■ Adding fuel

When adding fuel, do not let it overflow. Otherwise it may damage the vehicle, such as causing abnormal operation of the evaporative emission control system, damaging fuel system components or body paintwork.

3-1. Key information

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3-2. Opening, closing and locking doors and trunk lid

Door81

Trunk lid85

PEPS90

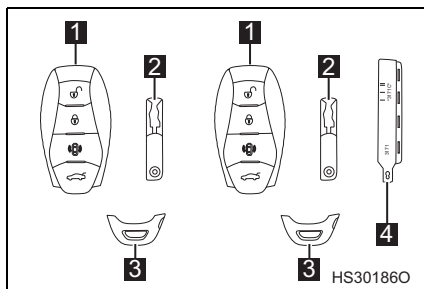
3-3. Loading

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Key

Key

This vehicle comes with the following keys.



1 Smart key

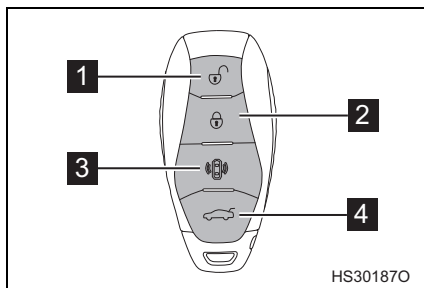
- Operate the PEPS system (See P.90)
- Operate the wireless remote control function

2 Mechanical key

3 Key end cover

4 Key number plate

Wireless remote control



1 Unlock button

Press the button to unlock the doors; press and hold the button to open all windows and sunroof.

2 Lock button

Press the button to lock the doors; press and hold the button to close all windows and sunroof; press the button twice consecutively to trigger the vehicle locating function.

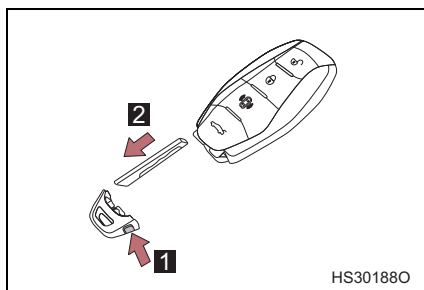
3 Remote start button

When vehicle is in anti-theft mode and engine stops, press and hold remote start button within 1.5 seconds after pressing the lock button on the remote controller in effective range to start engine remotely; After remote starting, continuously press the remote start button twice within 1.5 seconds to stop the engine.

4 Trunk lid opening/closing button

Press and hold the button to open/close the trunk lid.

Using mechanical key



- ❶ Press the unlock button to detach the key end cover
- ❷ Taking out the mechanical key
After using the mechanical key, store it in the smart key. Always carry the mechanical key with the smart key. If the smart key battery runs out and does not work properly, use the mechanical key. (See P.315)

3

Getting on/off the vehicle

■ When you need parking service

Be sure to keep the mechanical key with you, and only give the smart key to the parking service personnel.

■ Key number plate

Please keep the key number plate in a safe place and keep it properly.

■ When traveling by air

When flying with the smart key, make sure that you don't press any button on the smart key while in the cabin. If the key is placed in the bag, make sure that no buttons on the key are accidentally pressed. Pressing any button may cause the key to emit radio waves, thus interfering with the flight of the aircraft.

■ Key battery power

- The standard battery life is 1 to 2 years.
- Even if the key is not in use, the battery may be depleted. The following symptoms indicate that the key battery is low or may be depleted. Replace the battery if necessary. (See P.367)
 - The PEPS system or wireless remote control function does not work.
 - The detection area becomes smaller.
 - The instrument cluster displays that the key battery is low.
- To avoid serious degradation of key performance, do not place it within 1 m of the following electrical equipment that can generate magnetic field:
 - TV set
 - Personal computer
 - Mobile phone, cordless phone and battery charger
 - Mobile phone or cordless phone being charged
 - Table lamp
 - Induction cooker

■ Replacing battery

(See P.367)



CAUTION

■ Prevent damage to the key

- Do not subject the key to violent impact or expose it to high temperature (such as direct sunlight) and humid environment.
- Do not wet the key or clean it in ultrasonic cleaner.
- Do not immerse the key in water.
- Do not attach metal or magnetic materials to the key, or place the key near such materials.
- Do not disassemble the smart key.
- Do not stick labels or other items on the key surface.
- Do not place the key near objects that can generate magnetic fields, such as television, sound system, induction cooker or electronic medical equipment (such as low-frequency medical equipment).

■ Carry the smart key with you

When carrying the key with you, keep it 10 cm or more away from the electrical equipment that are turned on. Radio waves emitted by electrical equipment within 10 cm from the key may interfere with the key, causing it to fail to work normally.

■ When the PEPS system fails or there is other failure related to the key

Please send the vehicle to an authorized FAW Hongqi dealer with all the keys of the vehicle.

■ When the key is lost

If the key is lost, the risk of vehicle theft will obviously increase. Please go to an authorized FAW Hongqi dealer with all the keys of the vehicle for re-matching.

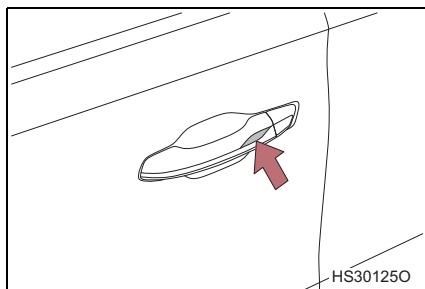
3-2. Opening, closing and locking doors and trunk lid

Door

Unlocking/locking doors from outside

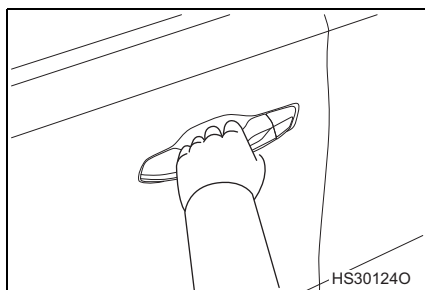
■ PEPS

As long as you carry the smart key with you, the door can be unlocked and locked through PEPS function.



Turn off the engine switch and touch the door handle locking area on the driver's side or the front passenger's side to lock the door.

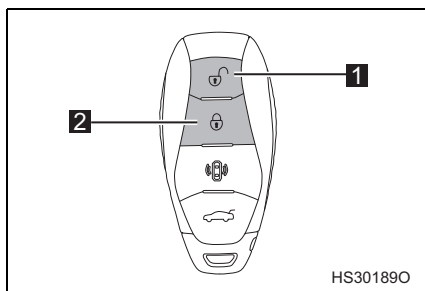
When any door is not closed, it is impossible to lock the door by touching the door handle locking area.



Hold the door handle on the driver's side or the front passenger's side to unlock the door.

When touching the door handle locking area to lock the door, the door cannot be intelligently unlocked within 2 seconds after locking, but the remote unlocking function is not limited.

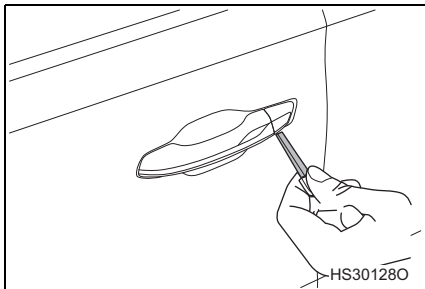
■ Wireless remote control



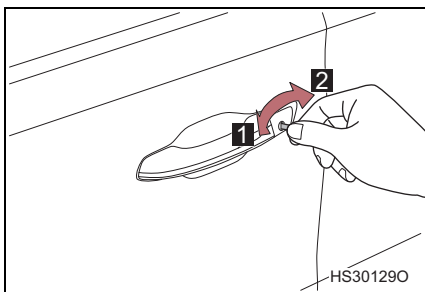
1 Unlocking the door

2 Locking the door

■ Mechanical key



Use the mechanical key to remove the door keyhole cover.



Use the mechanical key to lock and unlock the doors.

1 Unlocking the door

2 Locking the door

■ Operating signal

All turn signals flash to indicate that the doors are locked/unlocked. (Lock: flash once; Unlock: flash twice)

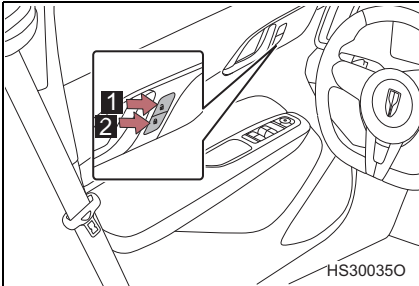
■ The key battery runs out of power

If the key battery runs out of power, replace the battery with a new one. (See P.367)

Unlocking/locking doors from inside

The doors can be unlocked and locked by the central locking switch on the driver's door.

■ Central locking switch

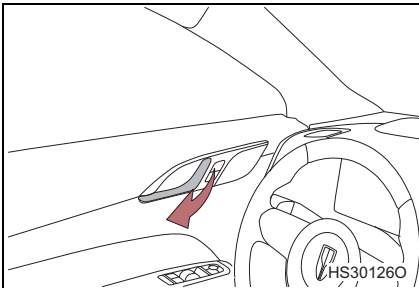


1 Unlocking all doors

2 Locking all doors

Note: When a door is not closed, the central locking switch can only unlock the doors.

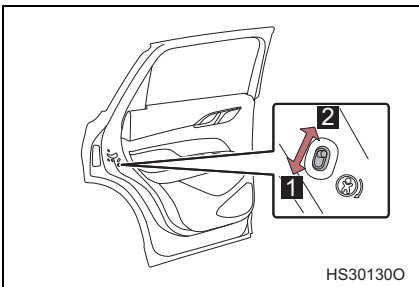
■ Door inside handle



Pull the door inside handle to open the door.

After the door is locked, pull the inside handle once to unlock the door and pull it again to open the door.

Rear door child safety lock



After the safety lock is set, the doors cannot be opened from inside.

1 Locking

2 Unlocking

Set the safety lock to prevent children from opening the rear doors from inside.

■ Speed sensing door lock function

When all doors are closed with any door unlocked, if the vehicle is operating and vehicle speed exceeds approx. 20 km/h, the speed sensing door lock will be activated to lock the doors.

■ Conditions affecting PEPS system or wireless remote control

(See P.92)



WARNING

■ Prevent accidents

Please observe the following precautions when driving.

Otherwise, occupants may be thrown out of the vehicle due to the accidental opening of the door, resulting in serious personal injury and even death.

- Be sure to fasten the seat belt properly.
- Ensure that all doors are closed correctly.
- Be sure to lock all doors.
- Do not pull the door inside handle while driving.

Otherwise, occupants may be thrown out of the vehicle due to opening of the door, resulting in serious personal injury and even death.

- If there are children in the rear seat, please set the rear door child safety lock.
- When leaving the vehicle and there is no one in the vehicle, please take the key with you, close all windows and sunroof and lock all doors to prevent others from entering or stealing the vehicle.
- Never leave children unattended in the vehicle.
- Do not allow children to carry or use the key, as children may cause a safety hazard by starting the vehicle or operating the shift lever.
- Do not allow children to play with windows or other equipment as they may get injured.
- Make sure that the temperature inside the vehicle is appropriate, because too high or too low temperature will cause fatal injury to children.
- Make sure that the surrounding area of the vehicle is safe when opening the door.

It is very dangerous to open the door suddenly, which may hit other vehicles or pedestrians and cause accidents.

- After closing the door, make sure it is closed tightly.

It is very dangerous to leave the door ajar, because the door may open accidentally during driving, which may cause an accident.

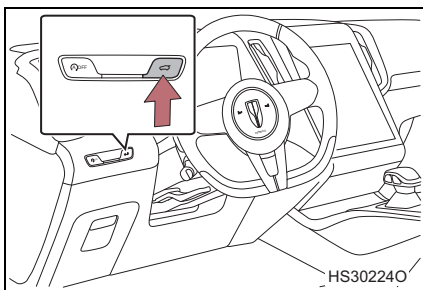
3-2. Opening, closing and locking doors and trunk lid

Trunk lid

The trunk lid can be opened using the trunk lid unlocking button or wireless remote control.

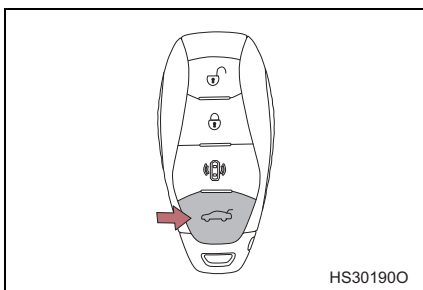
Opening trunk lid

■ Opening trunk lid from inside



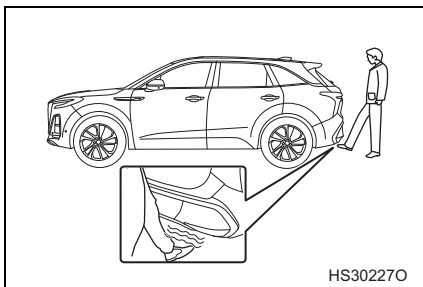
When the vehicle is stationary and the trunk lid is closed, press the trunk lid interior unlocking button to unlock and open the trunk lid.

■ Wireless remote control



With the engine switch in "IG-OFF" mode and the trunk lid closed, press and hold the trunk lid opening/closing button to unlock and open the trunk lid.

■ Sticking sensing on*



When the vehicle is stationary, carry the smart key with you and make a sticking motion under the rear bumper to unlock and open the trunk lid.

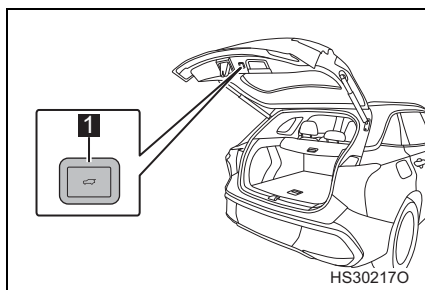
Closing trunk lid

■ Closing trunk lid from inside

When the trunk lid is open, press and hold the trunk lid interior unlocking button to close the trunk lid.

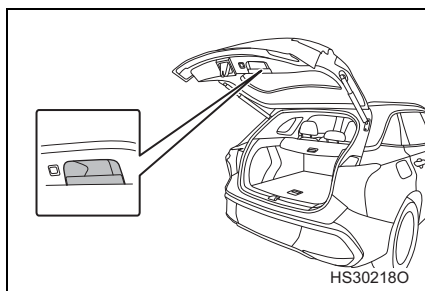
■ Closing trunk lid from outside

▶ Trunk lid switch



Press the trunk lid closing button, the trunk lid will automatically close.

▶ Trunk lid handle



Use the trunk lid handle to lower the trunk lid, then press the trunk lid down from the outside of the vehicle to close it.

■ Wireless remote control

With the engine switch in "IG-OFF" mode and the trunk lid opened, press and hold the trunk lid opening/closing button to close the trunk lid.

■ Sticking sensing off*

When the trunk lid is open, make a sticking motion under the rear bumper to close the trunk lid.

■ Trunk lamp

When the trunk lid is opened, the trunk lamp will come on.

■ Trunk lid position memory

Open the trunk lid, adjust the trunk lid to an appropriate angle (50% - 95% of maximum angle), press and hold the trunk lid closing button for more than 3 seconds, then all turn signal lamps will flash once and the current position will be memorized as the opening position of trunk.

■ Key in trunk reminder

With the engine switch in "IG-OFF" mode and the vehicle locked, when the trunk lid is opened and closed separately from outside, if the smart key is left in the trunk or in the vehicle, the key in trunk reminder will be triggered (the trunk lid will be automatically opened).



WARNING

■ When opening and closing the trunk lid, be careful to avoid being caught by the trunk lid.

■ Before driving

- Make sure the trunk lid is completely closed. Otherwise, the trunk lid may open accidentally and knock into the objects nearby, or the objects in the trunk may be thrown out during driving, causing an accident.
- Prevent the children from playing in the trunk. Otherwise, they may be locked in the trunk by accident and suffer from heatstroke, suffocation or other injuries thereafter.
- Prevent the children from opening or closing the trunk lid. Failure to do so may cause the trunk lid to open by accident or cause the closing trunk lid to pinch the child's hands, head or neck.

■ Precautions when driving

Be sure to keep the trunk lid closed to prevent objects from being thrown out and prevent exhaust gas from entering the vehicle.

■ When children are in or around the vehicle

Prevent children from playing in and around an unattended vehicle, especially when the trunk lid has been opened, because children may enter and be trapped in the trunk. If the temperature in the vehicle is too high or too low at this time, serious injury or death may occur.



WARNING

■ Important when driving

Never let anyone sit in the trunk. Otherwise they are susceptible to serious injury or even death in the event of emergency braking or collision.

■ Anti-pinch function

Do not activate the anti-pinch function by intentionally stopping the moving window with any part of your body.

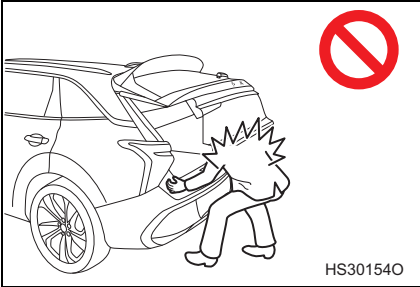
■ Using trunk

Please observe the following precautions. Otherwise a body part may be pinched, causing serious injury.

- Before opening the trunk lid, remove the heavy load on the trunk lid, such as snow and ice. Otherwise, it may cause the trunk lid to suddenly close again after being opened.
- Before opening or closing the trunk lid, please thoroughly check the surrounding area for the sake of safety.
- If anyone is nearby, ensure their safety and inform them that the trunk lid is about to open or close.
- Care should be taken when opening or closing the trunk lid in windy weather, because the trunk lid may suddenly move in strong winds.
- Do not install any accessories on the trunk lid. Otherwise, the extra load on the trunk lid may cause the trunk lid to suddenly close again after being opened.

WARNING

■ Using trunk

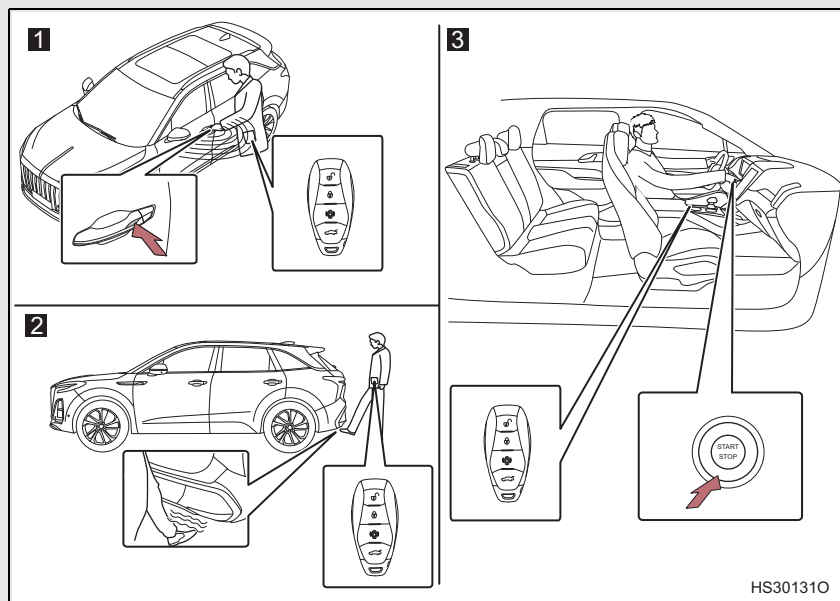


- It is much more difficult to open or close the trunk lid on a slope than on a level road, so beware of accidental closure of the trunk lid during opening or accidental opening during closing. Before using the trunk, make sure that the trunk lid is fully opened and secured.

- When closing the trunk lid, special care should be taken to avoid pinching fingers and other parts.
- Do not touch the trunk lid during the electric operation (opening/closing) process of trunk lid, to prevent personnel injury or damage to the trunk lid.
- If the automatic opening or closing process of the trunk lid is affected by poor movement or obstacles, the opening or closing process will be interrupted automatically:
 - Check if there are obstacles in the opening or closing path of trunk lid;
 - The trunk lid can be continued to open or close manually if necessary. Greater force is required for this purpose, and force must be applied slowly; Do not operate the trunk lid violently at this time to prevent damage to the trunk lid from excessive impact.

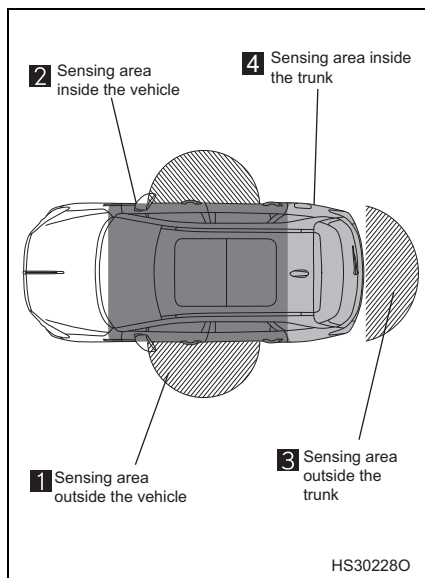
3-2. Opening, closing and locking doors and trunk lid PEPS

As long as you carry the smart key with you, for example, in your pocket, you can do the followings. (The driver must carry the key with him)



- 1** Door locking/unlocking. (See P.81)
- 2** Trunk lid unlocking. (See P.85)
- 3** Start the engine. (See P.183)

■ Effective range (the area where the key can be detected)



Effective range of key sensing antenna:

A hemispherical area centered on the sensing antenna.

1 When locking or unlocking the door

When the key is in the sensing area outside the vehicle, you can lock or unlock the door.

2 When starting the engine or switching the mode of engine switch

If the key is in the sensing area inside the vehicle, you can start the engine or switch the mode of engine switch.

3 When unlocking the trunk lid

When the smart key is in the sensing area outside the trunk, if the conditions are met, you can unlock the trunk lid.

4 When the key is left in the trunk

If you close the trunk lid when the key is in the sensing area inside the trunk or vehicle, and the conditions are met, the key in trunk reminder will be activated. (See P.87)

■ Warning and prompt function

The system warning and prompt function is realized through the instrument cluster, warning buzzer, hazard warning lamp and engine switch status indicator lamp.

● When any warning lamp comes on

Take corresponding measures depending on the lit warning lamp. (See P.60)

- When an warning message is displayed

Take corresponding measures depending on the warning message displayed by the cluster instrument.

■ Conditions affecting operations

The radio waves used in the PEPS system are weak. The communication between the key and the vehicle may be affected in the following circumstances, which may prevent the PEPS system and the wireless remote control from working properly.

- When the key battery is low.
- When the key battery is depleted
- When the user is close to a TV tower, power plant, gas station, radio station, large monitor, airport or other facilities that produce strong radio waves or electrical noise interference.
- When the user carries a portable radio, mobile phone, cordless phone or other wireless communication device.
- When the key comes into contact with or is covered by a metal object.
- When multiple smart keys are near the vehicle at the same time.
- When the user carries or uses the key with the following device that emit radio waves.
 - Smart key of any other vehicle
 - Wireless remote control key for transmitting radio waves
 - Personal computer
- When the sunshade film with metal composition or any metal material is adhered to the rear windshield.
- When the following metal objects touch or cover the key.
 - A card with aluminum foil
 - Cigarette case with aluminum foil attached inside
 - A wallet or bag made of metal
 - Coins
 - Metal hand warmer
 - Media such as CD and DVD
- There are other wireless remote control keys (transmitting radio waves) near the vehicle when they are in use.
- When the key is near the battery charger or electronic device.

■ Operating system properly

- Remember to carry the key with you when operating the system. When operating outside the vehicle, do not make the key too close to the vehicle.
- Depending on the specific location of the key and the holding method, the key signal may not be detected, resulting in the system not functioning properly.

■ Safety function

- When using remote unlocking or intelligent unlocking, if the door or trunk lid is not opened, the vehicle will be automatically locked after a period of time.

■ When parking for a long time

- To prevent the vehicle from being stolen, do not place the key too close to the vehicle.
- When the vehicle is parked for a long time, it must be locked. Otherwise, the battery may be depleted.

■ If the PEPS system does not work properly

- Lock and unlock the door: Use the mechanical key. (See P.315)
- Start the engine. (See P.316)

■ Comments on PEPS

- Under the following circumstances, the system may not work properly even if the key is within the effective range (sensing area).
 - When locking or unlocking the door, the key is too close to the window or door handle, too close to the ground or too high.
- As long as the smart key is within the effective range, anyone can lock or unlock the door. Please keep the key properly.
- The PEPS may fail if a large amount of water splashes on the door handle (such as during vehicle washing or heavy rain).
- The door may not be locked under the following circumstances.
 - When the smart key is still in the vehicle and the door is locked with the intelligent locking function.
 - When the engine switch is not turned off, and you get off with the key and lock the door.
 - When any door is not completely closed.
 - When the shift lever is not in P/N position.



WARNING

■ Precautions for interference with electronic devices

People who use implantable pacemakers, cardiac resynchronization therapy pacemakers or implantable cardioverter defibrillators should keep an appropriate distance from the antenna of the PEPS system.

- Radio waves may affect the normal operation of such devices. For details of radio wave frequency and radio wave transmission time, please consult authorized FAW Hongqi dealer. Then ask your doctor if you can use them normally.
- People who use other electronic medical devices instead of implantable pacemakers, cardiac resynchronization therapy pacemakers or implantable cardioverter defibrillators should consult the device manufacturer about the impact of radio waves on the operation of the devices.
- Radio waves may have an unpredictable impact on the use of such medical devices.
- For details about PEPS, please consult authorized FAW Hongqi dealer.

Goods and luggage

Please pay attention to the followings when storing goods and luggage.

- Store goods and luggage in the trunk as much as possible.
- Ensure that all articles are firmly fixed.
- Keep the vehicle level. Put the weight forward as far as possible to keep the vehicle balanced.
- In order to improve the driving range, please do not carry unnecessary heavy objects.



WARNING

■ Articles prohibited from being stored in the trunk

The following articles may cause fire when placed in the trunk.

- A container with gasoline.
- Aerosol can.
- Other inflammable and explosive articles.

■ Precautions for storage

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

- Do not place goods or luggage in the following places. Otherwise, the articles may jam the brake pedal or accelerator pedal which may not work properly, and may block the driver's sight or hit the driver or passengers, thus causing accidents.
 - Driver's footwell
 - Front passenger's seat or rear seat (with articles)
 - Instrument panel
- Store all the articles properly in the vehicle. Otherwise, the articles may move and cause personal injury in the event of an accident or emergency braking.
- It is forbidden to store poorly sealed liquid containers in the trunk.

■ Load and distribution

- Please do not overload the vehicle.
- Be sure to place the goods evenly.

Improper placement may lead to poor steering or braking control performance, resulting in serious personal injury and even death.
- Do not put heavy objects in the trunk for a long time.

Placing heavy objects in the trunk for a long time may affect the performance of the suspension system.

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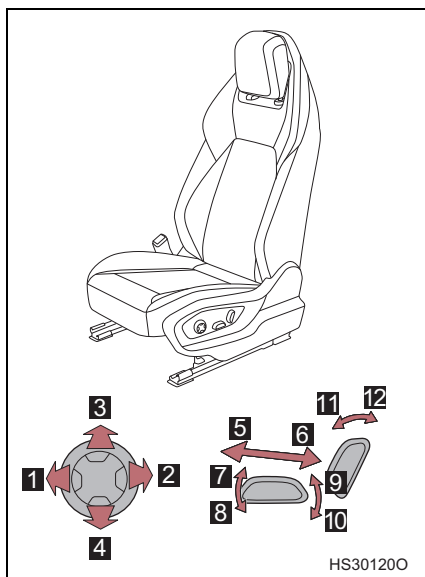
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4-1. Seats

Front seat

Adjustment steps

► Power seat (taking the driver's seat for example)



- 1** Protruding lumbar support
*(for driver's seat only)
- 2** Depressing lumbar support
*(for driver's seat only)
- 3** Moving lumbar support
upward*(for driver's seat only)
- 4** Moving lumbar support
downward*(for driver's seat
only)
- 5** Moving seat forward
- 6** Moving seat backward
- 7** Lifting front end of seat* (for
driver's seat only)
- 8** Lowering front end of seat*
(for driver's seat only)
- 9** Lifting seat (for driver's seat
only)
- 10** Lowering seat (for driver's
seat only)
- 11** Tilting seat back forward
- 12** Tilting seat back backward

**WARNING****■ Seat adjustment**

- Do not tilt the seat excessively during driving, so as to prevent your body from slipping out of the lap belt. If the seat is tilted excessively, the lap belt may slide over the hips and strangle the abdomen or allow the shoulder belt to reach the neck, increasing the risk of serious injury or even death in the event of an accident.
- Do not place your hands under the seat or near moving parts, as the seat mechanism may pinch your hands.
- Be careful when adjusting the seat position to ensure that other occupants are not injured when the seat moves.
- Do not allow the children to adjust the seat.
It is very dangerous to allow children to adjust the seat. If a child's hand or foot is caught, serious injury could occur.
- Always park the vehicle before adjusting the driver's seat.
Adjusting the driver's seat during driving is very dangerous, because the driver may lose control of the vehicle, which could lead to an accident.

■ Seat modification

- Modifying or replacing the front seats may damage the airbag components in the seats and cause failure of the airbags to deploy properly in the event of a crash.
- If the seat needs to be removed or replaced, please contact an authorized FAW Hongqi dealer.

■ If the seat is damaged

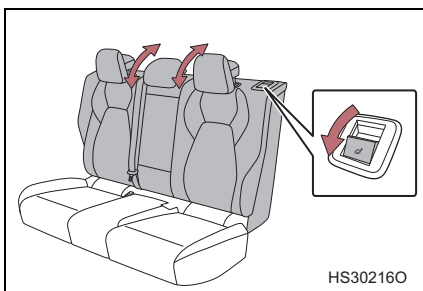
- If the seat has been damaged, it is very dangerous to drive the vehicle at this time.
- After a collision, even if the seat airbag does not deploy, the seat may be damaged. Therefore, after a collision, please contact an authorized FAW Hongqi dealer for inspection of the seats, seat belt pretensioners and airbags.

4-1. Seats

Rear seat

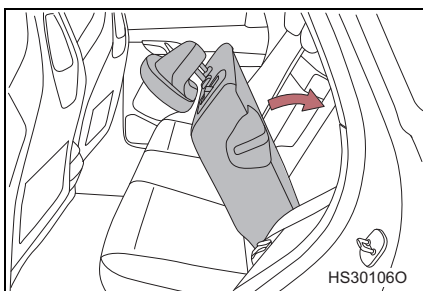
The rear seat back is folding.

Rear seat back folding



Pull the release handles on the left and right sides of rear seat to fold the seat back.

Resetting the seat back to the upright position



Reset the seat back to the upright position until a "click" is heard, and then gently shake the seat back back and forth to ensure it is securely locked.

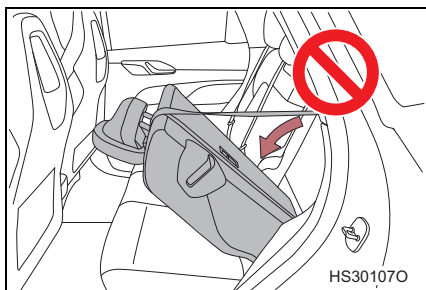
Check that all seat belts are properly secured for use.

⚠ WARNING

■ Precautions during rear seat back folding

Please observe the following precautions. Failure to do so may result in serious injury or even death.

- Do not fold the seat backs while driving.
- Park the vehicle on a level ground, set the shift lever to P position, and apply the parking brake.
- When folding the rear seat backs, be careful not to pinch your hands.
- Before folding the rear seat backs, adjust the position of the front seats so that the front seats do not interfere with the rear seat backs during folding of the rear seat backs.



- Before reclining the rear seat backs, be sure to release the rear seat belt buckles and retract the belts of both outboard rear seats to both sides of the seats; otherwise the seat belts, buckles and seat backs may be damaged.

■ Precautions after rear seat back folding

- Do not allow anyone to sit on the folded seat back or in the trunk while driving.
- Do not allow a child to enter the trunk.

It is very dangerous for children to play in the vehicle with the seat back folded down. If a child enters the trunk and the seat back is folded back, the child could be trapped in the trunk, leading to an accident.

- Securely fix items in the trunk.

It is very dangerous to drive without securely fixing items and luggage, because they may move and interfere with driving in case of emergency braking or accidental collision.

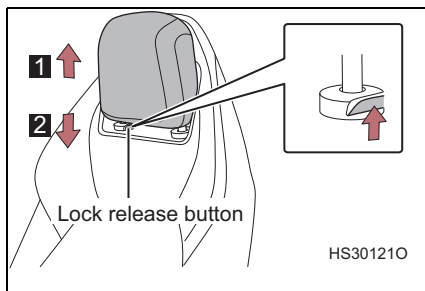
■ Precautions after resetting the seat back to the upright position

Please observe the following precautions. Failure to do so may result in serious injury or even death.

- Gently shake the seat back slightly forward and backward to make sure it is securely locked in place.
- Check that the seat belts are not twisted or stuck under the seats.

4-1. Seats

Headrest



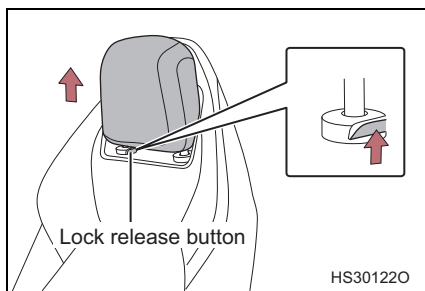
1 Moving up

Pull up the headrest while pressing and holding the lock release button.

2 Moving down

Push down the headrest while pressing and holding the lock release button.

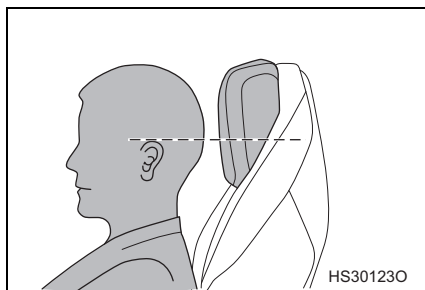
■ Removing headrest



Pull up the headrest while pressing the lock release button.

If the ceiling interferes with the removal of the headrest, you can tilt the seat back angle to remove the headrest.

■ Adjusting headrest height



Adjust the headrest so that the center of the headrest is flush with the upper end of ears.

**WARNING****■ Precautions for headrest**

Please observe the following precautions for headrest. Failure to do so may result in serious personal injury or even death.

- Use the headrests specifically designed for the seats.
- Be sure to adjust the headrest to the appropriate position for use.
- Do not drive the vehicle with the headrest removed.

Whenever you drive the vehicle, install the headrest and adjust it to the proper position. It is very dangerous to drive the vehicle with the headrest in a low position or uninstalled. In the event of a collision, the lack of head support could cause serious neck injuries.

- **Headrests can reduce the whiplash effect and mitigate the neck injury of the occupants in case of rear impact.**

4-1. Seats

Seat memory*

Seat and exterior rearview mirror position information can be memorized simultaneously.

Seat memory setting



To set the memory content: After adjusting the position of the seat and exterior rearview mirror, press and hold any memory button (for more than 3 seconds). Release the button after hearing the instrument cluster prompt tone, and the position information will be memorized.

To call out the memory content: Press the memory button to allow the seat and exterior rearview mirror to be automatically adjusted to the memorized position set by the button.

Seat ventilation and heating function*

Ventilation and heating function can be controlled separately.

■ Front seat ventilation and heating setting



Touch the seat heating and ventilation button on the A/C setting interface of multimedia display to select appropriate heating and ventilation level.

Levels 1-3 are selectable.

■ Operating conditions

The engine switch is set to "IG-ON" mode.



WARNING

■ **Be sure to observe the following precautions when using seat heating or ventilation function**

- Use caution when following persons are seating on the heated seat to avoid burns:
 - Infants, children, the elderly, the sick and the disabled
 - Persons with sensitive skin
 - Persons who are very fatigued
 - Persons who are drowsy because of taking alcohol or drugs (sleeping pills, cold medicine, etc.)
- Do not cover the seat with any object (e.g. blanket, seat cushion) when using seat heating or ventilation. Otherwise, the seat temperature will increase or decrease, which leads to overheating or overcooling.
- Do not turn on the seat heating or ventilation function unless necessary. Otherwise, passengers may feel overcooled, overheated or suffer from local burns.



CAUTION

■ **Preventing damage to seat heating or ventilation system**

Do not place heavy objects with uneven surfaces on the seats, or stick sharp objects (needles, nails, etc.) in the seats.

■ **When cleaning seats**

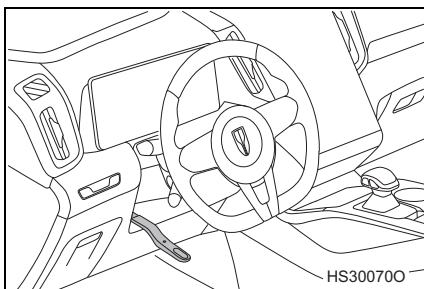
Do not clean the seats with organic substances such as benzene, gasoline, etc. Otherwise, the heater and seat upholstery are liable to be damaged.

4-2. Steering wheel and rearview mirror

Steering wheel

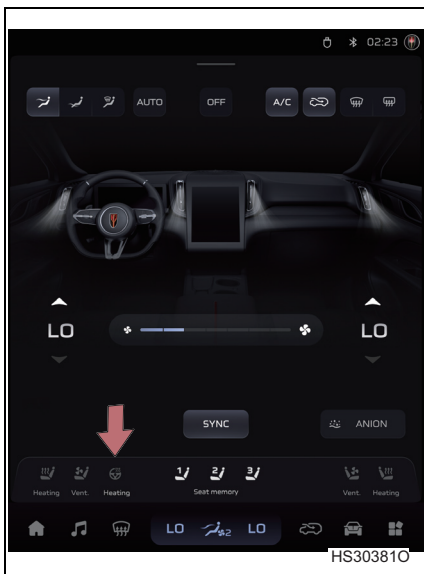
Steering wheel adjustment

The steering wheel can be adjusted to a comfortable position.



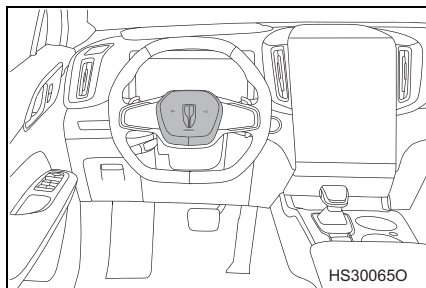
- 1 Release the steering wheel adjusting handle.
- 2 Adjust the steering wheel to a comfortable position.
- 3 Lock the steering wheel adjusting handle.

Steering wheel heating*



Touch the steering wheel heating button on the A/C setting interface of multimedia display, the button comes on and steering wheel heating function is turned on. Touch the button again, the steering wheel heating function is turned off.

Horn



Press the horn symbol or the surrounding area to sound the horn.

WARNING

■ **Precautions when driving**

- Do not adjust the steering wheel while driving, as this may cause the driver to make a mistake and cause an accident, which could result in serious injury or even death.
- During driving, the driver's hands should hold the outside of the steering wheel rim at the 3 o'clock and 9 o'clock positions. Do not hold the steering wheel at the 12 o'clock position or in any other position, as this may result in injury to the driver's arms or head when the driver's airbag deploys.

■ **When adjusting the steering wheel**

The steering wheel should be adjusted so that the driver's chest is at least 300 mm away from the steering wheel. Do not make the steering wheel directly face the driver's face; otherwise the driver's airbag will not provide effective protection in the event of an accident.

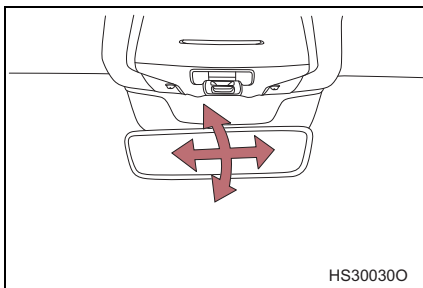
■ **After adjusting the steering wheel mechanically**

Ensure that the steering wheel is firmly locked, otherwise it may cause an accident due to sudden movement of the steering wheel, resulting in serious personal injury or even death.

4-2. Steering wheel and rearview mirror

Interior rearview mirror

Adjusting interior rearview mirror

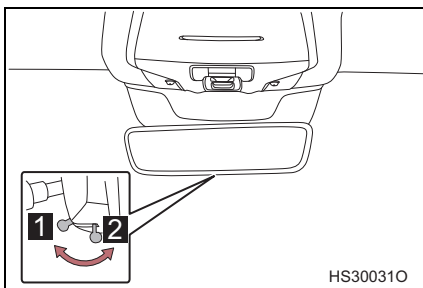


The interior rearview mirror can be adjusted up, down, left or right depending on the driving posture.

The driver must adjust the interior rearview mirror to a proper position, in order to view the rear of the vehicle through the rear windshield.

Anti-glare function

■ Manual anti-glare*

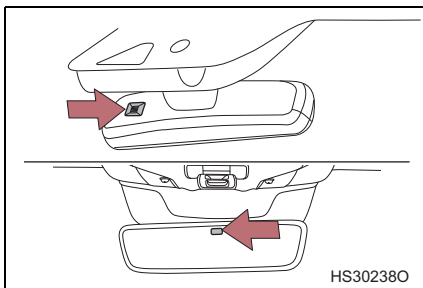


Anti-glare function can be turned on or off by adjusting handle as required.

❶ Closing

❷ Opening

■ Automatic anti-glare*



Interior rearview mirror has automatic anti-glare function, which uses the front and rear sensors to detect the light intensity of vehicles behind and reduce the reflected light automatically.



WARNING

■ During driving

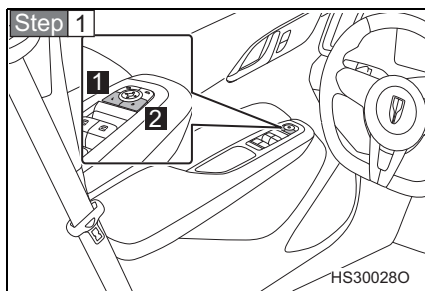
- Do not adjust the position of the rearview mirror while driving, as this may result in an accident due to mishandling, which could lead to serious injury or even death.
- Stacking items in the rear seats beyond the seat back height will obstruct the sight in the rearview mirror, which could result in a traffic accident. Therefore, do not stack items beyond the seat back height.

4-2. Steering wheel and rearview mirror

Exterior rearview mirror

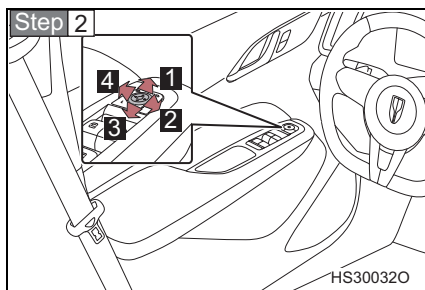
Adjusting exterior rearview mirror

When the engine switch is set to "IG-ON" mode, the angle of exterior rearview mirror can be adjusted.



Press the corresponding exterior rearview mirror selector button. Then the button indicator lamp comes on.

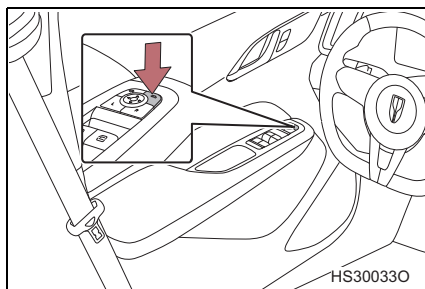
- 1** Left
- 2** Right



Press the button to adjust the exterior rearview mirror on the corresponding side.

- 1** Move upward
- 2** Move rightward
- 3** Move downward
- 4** Move leftward

Folding exterior rearview mirror

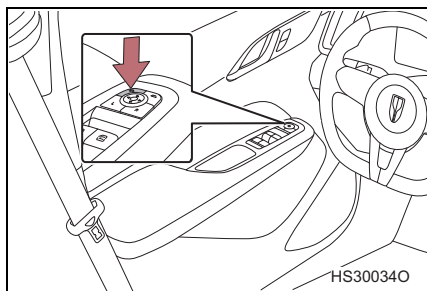


Press the exterior rearview mirror folding button to fold the exterior rearview mirror; press the button again to unfold the mirror.

The exterior rearview mirror will automatically fold when the vehicle is locked, and automatically unfold when the vehicle is unlocked. The automatic folding function of exterior rearview mirrors can be turned on and off through the

vehicle settings interface of the in-vehicle infotainment system. (See P.159)

Exterior rearview mirror heating



When the rearview mirrors fog up, press the exterior rearview mirror heating button to heat the mirrors; press the button again to stop heating the mirrors.

■ Operating conditions of exterior rearview mirror angle adjustment function

The engine switch is set to "IG-ON" mode and the parking brake is applied.

■ Operating conditions of exterior rearview mirror folding switch and heating switch

The engine switch is set to "IG-ON" mode.

■ Using power mode in cold weather

In cold weather where the exterior rearview mirrors may freeze, the automatic folding and unfolding feature may not function in power mode. In this case, remove the snow and ice from the exterior rearview mirrors, and then operate the mirrors manually.

■ Exterior rearview mirror memory*

The exterior rearview mirrors feature a memory function that can be linked with the seat memory. (See P.104)

■ Automatic adjustment of right rearview mirror*

When the shift lever is set to R position, if this function is turned on, the right rearview mirror automatically tilts down to provide the driver with a back-up view. After the shift lever has been out of R position for 10 seconds or when the vehicle speed exceeds 15 km/h, the rearview mirror automatically returns to the previous position.

With the shift lever in R position, the driver can adjust the right rearview mirror to an appropriate angle, which is memorized as the target downward tilt position.

The automatic adjustment function of right rearview mirror can be turned on and off through the vehicle settings interface of the in-vehicle infotainment system. (See P.159)



WARNING

■ When driving

Please observe the following precautions while driving. Failure to do so may result in loss control of the vehicle and cause an accident, resulting in serious injury or even death.

- Always look around before changing lanes.

It is dangerous to change lanes without considering the actual distance of the vehicle in the exterior rearview mirror. Since the actual distance of the object is closer than what you see in the exterior rearview mirrors, it can lead to a serious accident.

- Do not drive with the exterior rearview mirror folded. Be sure to reset the exterior rearview mirrors to the unfolding position before driving.

■ When adjusting the exterior mirror

To avoid personal injury and rearview mirror fault, be careful not to have your hands pinched by the mirror in motion.

■ When operating the exterior rearview mirror heater

- Do not touch the surface of the exterior rearview mirror, as it will become hot and may cause burns.
- Turn off the exterior rearview mirror heating function when there is no need for heating.

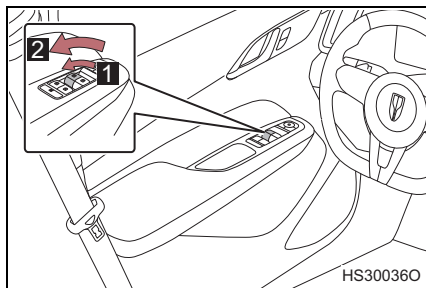
■ Precautions when driving

Please observe the following precautions while driving:

- Do not adjust the rearview mirror while driving.
- Both left and right rearview mirrors must be unfolded and properly adjusted before driving.

Power window

Opening and closing power windows

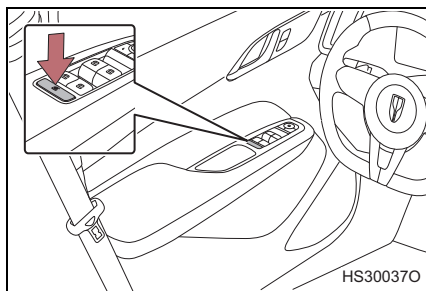


- 1 Manual lifting/lowering**
Pull up/press down the corresponding window regulator switch to position 1 (keep pulling up/pressing down), to achieve manual lifting/lowering of the windows.
- 2 Automatic lifting/lowering**
Pull up/press down the corresponding window regulator switch to position 2 (pull up/press down and release), to achieve automatic lifting/lowering of the windows.

The driver's power window switch can control other windows

Rear passenger's power window switch can control rear windows on both sides.

Power window lock switch



When this switch is pressed, the rear passenger's power window switch will be disabled.

The driver's power window switch and the front passenger's power window switch are not controlled by the locking switch.

■ Operating conditions of power windows

The engine switch is set to "IG-ON" mode.

■ Operate the power windows with engine switch turned off

The power windows can be operated even after the engine switch is turned off for a period of time.

■ Initialization operation

After the automatic window lifting/lowering function is disabled, the windows need to be initialized as follows:

- With the window glass in any position (more than 4 mm from the top of the window frame) within the effective anti-pinch area, continue pulling up the switch for the window to be initialized to close the window fully, and keep this action for about 2 seconds or more, to complete the initialization operation.

If necessary, contact an authorized FAW Hongqi dealer.

■ Anti-pinch function

In case of an obstacle during the automatic closing, the power window can automatically return to a safe position.

■ Automatic window closing function*

With the engine switch in "IG-OFF" mode and the window not closed, the window will be automatically closed after the rain/light sensor determines the amount of rain.

The automatic window closing function can be turned on and off through the vehicle settings interface of the in-vehicle infotainment system. (See P.158)

■ Remote window lifting

With all doors, the engine hood and the trunk lid closed and the engine switch in "IG-OFF" mode, press and hold the lock button on the smart key within the effective range to close all windows.

■ Intelligent window lifting

With all doors, the engine hood and the trunk lid closed and the engine switch in "IG-OFF" mode, carry the smart key with you and press and hold the door handle lock sensing area to close all windows.



WARNING

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

- During operation on the windows, do check carefully to ensure that no part of the driver and passenger's bodies will be pinched.
- Do not allow children to operate the power windows.

■ **Anti-pinch function**

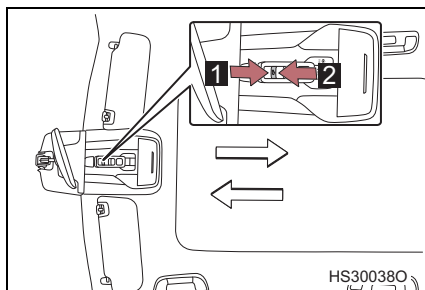
- Do not activate the anti-pinch function by intentionally stopping the moving window with any part of your body.
- The anti-pinch function may not work if an object is pinched when the window is about to close fully (4 mm).
- If the automatic window lifting/lowering function or the anti-pinch function is disabled, initialization is required.

4-3. Windows and sunroof

Panorama sunroof

The sunroof can be opened and closed by the sunroof switch.

Opening and closing sunroof



1 Opening

When the sunroof is closed, press the switch backwards once to tilt the rear of the sunroof up and partially open the sunshade.

When the sunroof is in the upward tilting position, press the switch backward once to open the sunroof and sunshade simultaneously.

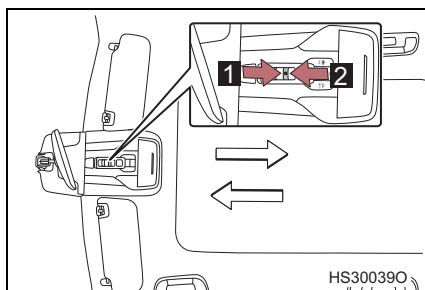
2 Closing

When the sunroof is open, press the switch forward once to close the sunroof.

Note: When the sunroof is opening or closing automatically, press the sunroof switch again to stop the sunroof.

Press and hold the sunroof switch to open and close the sunroof manually, and release the switch to stop the sunroof.

Opening and closing sunshade



1 Opening

Press the sunshade opening button once to open the sunshade fully.

2 Closing

Press the sunshade closing button once to close the sunshade fully.

Note: When the sunshade is opening or closing automatically, press the sunshade switch again to stop the sunshade.

Press and hold the sunshade switch to open and close the sunshade manually, and release the switch to stop the sunshade.

■ Operating conditions of sunroof

The engine switch is set to "IG-ON" mode.

■ Operate the sunroof with engine switch turned off

Within a certain period of time after the engine switch is turned off, if the driver's door is not open, the sunroof can still be operated at this time.

■ When the sunroof is not closed, the sunshade cannot be fully closed.

■ Initialization operation

● Sunroof initialization operation

When the sunroof is positioned incorrectly, the automatic sunroof function is disabled or the sunroof and sunshade linkage function is disabled, initialization should be done as follows: Set the engine switch to "IG-ON" mode, and run the sunroof to the fully closed position. At this time, press and hold the sunroof switch forward. When the sunroof hits the mechanism stop, release the switch and immediately press and hold the switch forward again. The sunroof will tilt up and open, slide open and slide close and then stop. Afterwards, release the switch to complete the initialization operation.

● Sunshade initialization operation

When the sunshade is positioned incorrectly or the automatic sunshade function is disabled, initialization should be done as follows: Set the engine switch to "IG-ON" mode, and run the sunshade to the fully closed position. At this time, press and hold the sunshade switch forward. When the sunshade hits the mechanism stop, release the button and press and hold the switch forward again. The sunshade will open backward, close forward and then stop. Afterwards, release the switch to complete the initialization operation.

■ Anti-pinch function

In case of an obstacle during the automatic closing, the sunroof/sunshade can automatically return to a safe position.

■ Automatic sunroof closing function*

With the engine switch in "IG-OFF" mode and the sunroof not closed, the sunroof will be automatically closed after the rain/light sensor determines the amount of rain.

The automatic window closing function can be turned on and off through the vehicle settings interface of the in-vehicle infotainment system. (See P.158)

■ Remote sunroof closing

With all doors, the engine hood and the trunk lid closed and the engine switch in "IG-OFF" mode, press and hold the lock button on the smart key within the effective range to close the sunroof.

■ Intelligent sunroof closing

With all doors, the engine hood and the trunk lid closed and the engine switch in "IG-OFF" mode, carry the smart key with you and press and hold the door handle lock sensing area to close sunroof.



WARNING

■ Precautions for sunroof opening

To avoid serious personal injury, observe the following precautions during sunroof opening:

- When the vehicle is moving, the driver and passengers shall never extend their hands or heads out of the vehicle.
- Do not sit on the sunroof.

■ Precautions for sunroof closing

To avoid serious personal injury, observe the following precautions during sunroof closing:

- When closing the sunroof, do check carefully to ensure that no part of the occupants' bodies will be pinched.
- Do not allow children to operate the sunroof.

■ During initialization operation

- During initialization, if the switch is released, the initialization operation will fail and need to be repeated.
- After the initialization operation, you need to check all the functions of the sunroof.
- If the initialization cannot be completed, please contact an authorized FAW Hongqi dealer.

■ Anti-pinch function

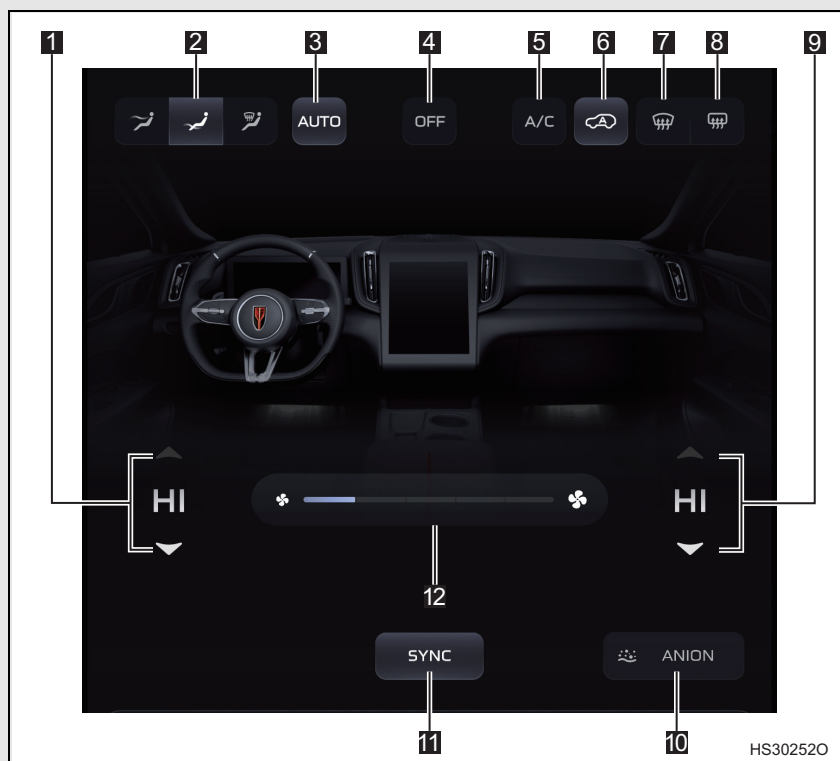
- Do not activate the anti-pinch function by deliberately stopping the moving sunroof with any part of your body.
- The anti-pinch function may not work if an object is pinched when the sunroof/sunshade is about to close fully.

4-4. A/C system

Automatic A/C system

This vehicle is equipped with a dual-zone A/C system that automatically adjusts the outlet air temperature, air volume, air outlet mode and air supply mode to provide the desired driving environment for the occupants according to the temperature setting, combined with the current interior temperature, ambient temperature, sunlight intensity, vehicle speed, water temperature and other environmental parameters.

► A/C operation interface of in-vehicle infotainment system



- 1 Driver side temperature setting button
- 2 Air outlet mode button
- 3 AUTO button
- 4 OFF button
- 5 A/C button
- 6 Recirculation/fresh air mode button
- 7 Front windshield forced defrosting/defogging button
- 8 Rear windshield defrosting/defogging button
- 9 Front passenger side temperature setting button
- 10 Anion purification button
- 11 Temperature synchronization button
- 12 Air volume setting button

Touch the A/C setting bar on the multimedia display  to enter the A/C operation interface.

4

Comfort adjustment

Using automatic A/C system



Touch the [AUTO] button on the display, the working indicator lamp will come on to enter the automatic A/C mode, where the mode preference level can be selected.

In automatic mode, the air volume setting button is automatically changed to the mode preference level button.

In automatic A/C mode, you can set the temperature by touching the temperature setting button according to your personal needs, and the

system will control the air outlet mode and air volume according to the selected temperature, automatic mode preference and the influence of external environment.

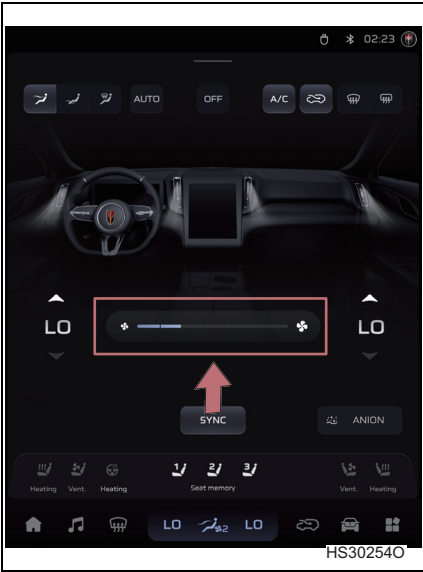
■ Using automatic mode

The air volume is automatically adjusted according to the temperature setting and environmental conditions. Therefore, the following situations may occur.

- In summer, when the low temperature setting is selected, the system will automatically switch to the recirculation mode.
- After the switch is pressed, the blower may not turn immediately or may run at low speed until the warm or cold air is ready for normal air supply operation.

Manual adjustment setting

■ Adjusting air volume



Operate air volume setting button on the display or drag the air volume setting bar to adjust the air volume of vehicle A/C system among level 1-7.

The air volume cannot be controlled manually in the automatic mode, so you need to turn off the automatic mode manually.

■ Adjusting temperature



Touch the temperature setting button ▲ (increase) or ▼ (decrease) on the display to set the temperature, or slide the temperature display value up and down to set the temperature.

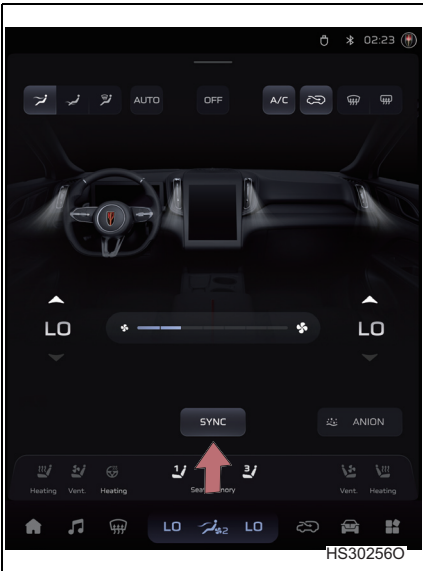
The temperature on the driver side and front passenger side can be adjusted separately.

If the [A/C] button on the display is not on or if the [A/C] button is on but the A/C compressor is not running, the system will blow normal-temperature air or hot air into the vehicle.

■ Turning off A/C

Touch the [OFF] button on the A/C operation interface to turn off the entire A/C system.

■ Switching temperature zone control mode



Touch the [Temperature synchronization] button on the display. Then the indicator lamp will come on, the single temperature zone control mode will be activated, and the temperature on front passenger side will be synchronized to the temperature set on the driver side.

Touch the [Temperature synchronization] button again. Then the indicator lamp goes out, the dual temperature zone control mode will be activated, and the temperature on driver side and front passenger side can be set separately.

If the temperature on front passenger side is set separately in the single temperature zone control mode, the dual temperature zone control mode will be activated.

■ Anion purification*

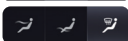


Touch the anion purification button on the display, the indicator lamp comes on, anion purification function is turned on. Touch the button again, the indicator lamp goes out, anion purification function is turned off.

■ Switching air outlet mode



Touch the air outlet mode selection button to select the corresponding air outlet mode, and touch it again to cancel the air outlet mode. The air outlet modes can be combined for selection.

-  : Face mode.
-  : Foot mode.
-  : Front windshield mode.
-  : Face and foot mode.
-  : Foot and front windshield mode.

■ A/C switch

When the engine is started, touch the [A/C] button on the display. Then the button indicator lamp comes on, and the A/C mode is turned on.

Touch the [A/C] button again. Then the indicator lamp goes out, and the A/C mode is turned off.

Touch the [A/C] button when the ambient temperature is below 5 °C . Then the indicator lamp will be on, but the compressor will not work at this time.

■ Switching recirculation/fresh air mode

Touch the [Recirculation/fresh air mode button] on the A/C operation interface to switch the modes. When  button comes on, the recirculation mode is activated; when  button comes on, the recirculation/fresh air mode is activated; when  button comes on, the fresh air mode is activated.

When the automatic recirculation/fresh air mode is selected, the A/C system automatically switches the recirculation/fresh air mode and intermediate state according to the current ambient heat load and A/C temperature setting. When there is heavy rainfall and the air volume of A/C is high, the system will automatically switch to the recirculation mode to prevent external water vapor from entering the vehicle. If fogging occurs, it can be cleared using the front windshield forced defrosting/defogging function.



WARNING

■ Do not use the recirculation mode in cold or rainy weather

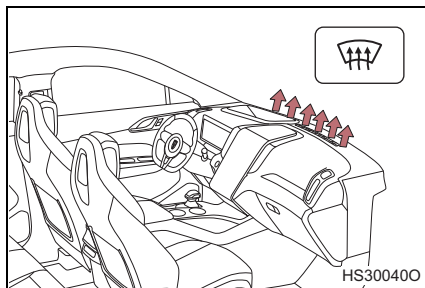
Using the recirculation mode in cold or rainy weather can cause the windows to fog up, which can obstruct your vision and could lead to a serious accident.

■ When using recirculation mode

The windows may fog up easily if the recirculation mode has been in use for a long time.

Other functions

■ Front windshield forced defrosting/defogging



Touch  button on the display, the indicator lamp comes on, and the front windshield forced defrosting/defogging function is turned on.

In the recirculation mode, if the front windshield forced defrosting/defogging function is on, the system will automatically switch to the fresh air mode.

Increase the air volume and temperature to defrost/defog the front windshield as soon as possible.

4

Comfort adjustment

■ Window fogging

- The windows tend to fog up when the inside humidity is high. Turn on the "A/C" switch to dehumidify the air from the air outlets and effectively defog the front windshield.
- If the "A/C" switch is turned off, the windows may fog up more easily.
- In rainy weather, the windows may fog up.
- The windows may fog up if the recirculation mode has been in use for a long time.

WARNING

■ Preventing windshield fogging

- When the weather is extremely humid, do not use the front windshield forced defrosting/defogging mode during cooling operation. The temperature difference between the air outside the vehicle and the windshield may cause the outer surface of the windshield to fog up, obstructing your vision.
- Do not place any objects on the instrument panel that may cover the air outlets as this may block the airflow and hinder the front windshield defogging.

■ Recirculation/fresh air mode

- When driving on dusty roads (e.g. tunnels) or congested roads, switch to the recirculation mode. This effectively prevents outside air from entering the vehicle. During cooling operation, turning on the recirculation mode will also effectively reduce the interior temperature.
- The windows may fog up if the recirculation mode has been in use for a long time.

■ Windshield defroster

- In the front windshield forced defrosting/defogging mode, the system will switch to fresh air mode from recirculation mode automatically.
- The air volume may increase when the defrosting/defogging function is in operation, which helps defrost/defog the front windshield as soon as possible.

■ A/C odor

- During use, various odors from inside and outside the vehicle may enter and accumulate in the A/C system. This may cause odors to emanate from the air outlets.



CAUTION

■ Preventing a low 12 V battery

Turn off the A/C system if it is not needed when the vehicle is not started.

Rear windshield heating



Touch  button on A/C operation interface of in-vehicle infotainment system. Then the indicator lamp comes on, and the system starts heating the rear windshield.

Touch  button again. Then the indicator lamp goes out, and the system stops.

Note: The system will be turned off automatically after a period of operation and the indicator lamp will go out.



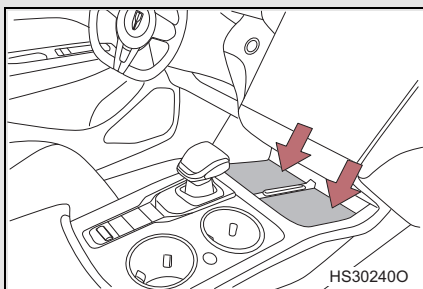
WARNING

■ Precautions during rear windshield heating

Do not touch the heating area as it may become very hot and cause burns.

On-board wireless charging*

The front of the center storage box is equipped with a wireless charging system.



Mobile phones that support Qi standard wireless charging can be charged directly in the wireless charging area.

Mobile phones that do not support Qi standard wireless charging need to be charged with a receiver.

- Wireless charging on one side*
Driver side wireless charging area 15 W.
- Wireless charging on both sides*
Driver side wireless charging area 40 W, front passenger side wireless charging area 15 W.

■ Operating conditions of on-board wireless charging system

The engine switch is set to "IG-ON" mode.

WARNING

■ Pay attention to the following matters when using wireless charging

- Make sure there are no metal objects on the surface of wireless charger before use.
- Do not remove the rubber pad. Ensure that the rubber pad is properly installed before charging.
- When charging the phone, do not place metal objects between the phone and the wireless charger.
- When the vehicle is not started, pay attention to the vehicle battery power when using wireless charging.
- Do not place containers containing liquid on the surface of wireless charger to prevent liquid from flowing into the charger.
- Do not use a non-Qi standard receiver for charging, to prevent damage to the charger or receiver.

**CAUTION****■ When charging**

- If there are any metal objects (such as coins, keys, rings or paper clips) between the mobile phone and the charger while the phone is charging wirelessly, do not remove them immediately by hand to avoid burning your fingers. Please remove the mobile phone first and wait for the metal objects to cool down before removing them from the charger.
- Remove all items from the anti-slip mat for wireless charging. If there are foreign objects, the system may not charge properly.
- The mobile phone should be placed face up in the middle of the anti-slip mat.

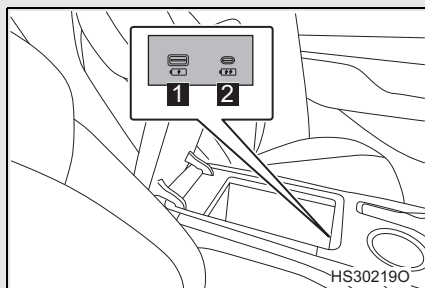
■ Please do not place magnetic cards such as expressway toll cards in the wireless charging area, as they may cause demagnetization.**■ Wireless charging disabled**

It is normal that if you start the engine or leave the vehicle with the key during wireless charging, the wireless charging will be interrupted for a short time.

4-5. Interior power supply

USB power outlet

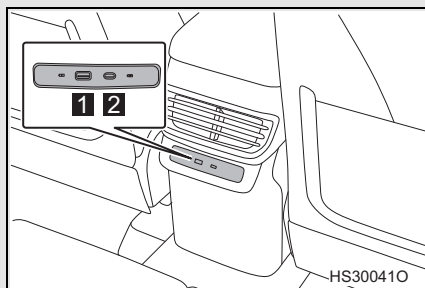
■ Front seating position



1 Type-A port (10W)

2 Type-C port (10W)

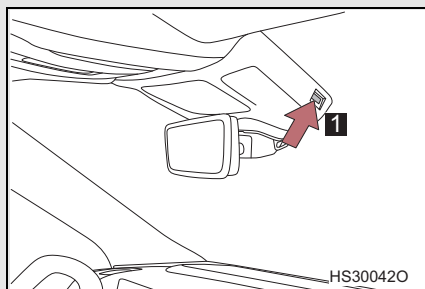
■ Rear seating position



1 Type-A port (18W)

2 Type-C port (60W)

■ Front windshield position



1 Type-A port (10W)

■ Operating conditions of power outlets

The engine switch is set to "IG-ON" mode.

**CAUTION****■ Preventing blown fuses**

Do not use accessories rated beyond their capacity.

■ Preventing low battery

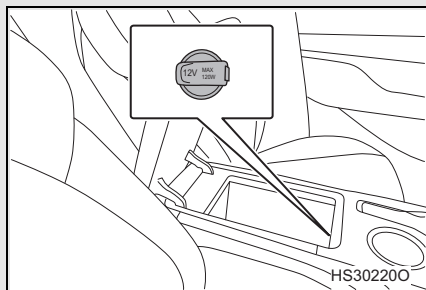
Unless necessary, do not allow the power outlet to be in use for a long time when the vehicle is not started.

4-5. Interior power supply

12 V backup power

Backup power can be used for 12 V accessories with operating current of less than 10 A.

■ **Front seating position**



Located in the front center storage box.

■ **Operating conditions of backup power**

The engine switch is set to "IG-ON" mode.

 CAUTION

■ **Preventing damage to power outlets**

When the power outlet is not in use, the power outlet cover should be closed, otherwise foreign objects or liquids will enter it and cause short circuit.

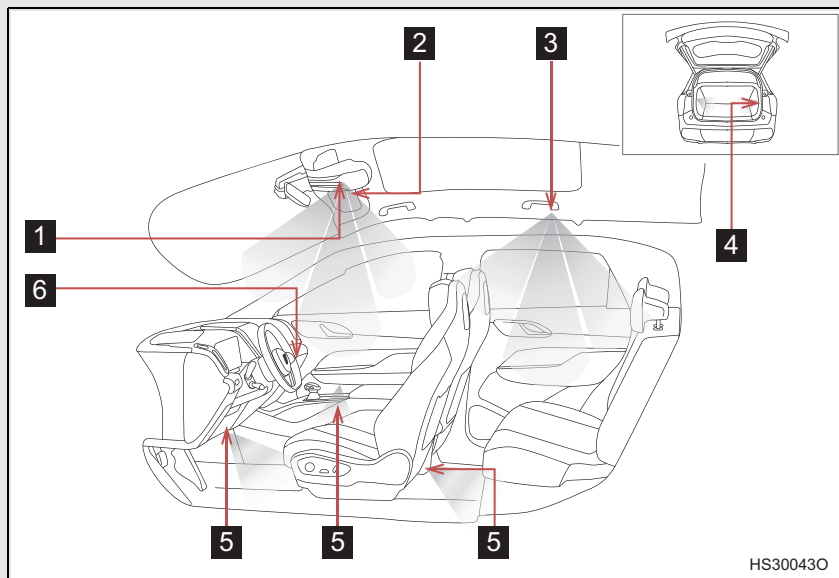
■ **Preventing blown fuses**

Do not use accessories rated beyond their capacity.

■ **Preventing low battery**

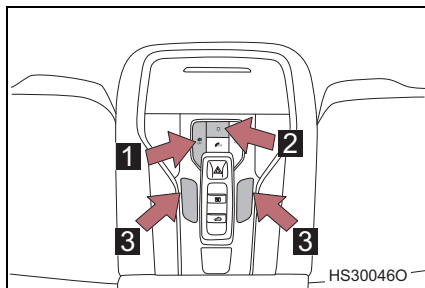
Unless necessary, do not allow the power outlet to be in use for a long time when the vehicle is not started.

Using interior lamp



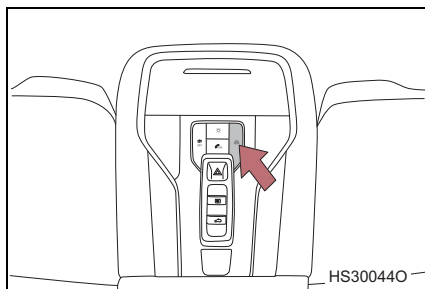
- 1** Front interior lamp
- 2** Vanity mirror lamp
- 3** Rear reading lamp
- 4** Trunk lamp
- 5** Ambient lamp (See P.159)
- 6** Glove box lamp

Front interior lamp

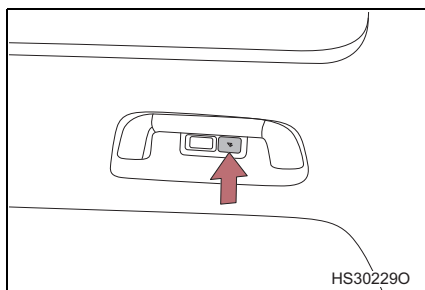


- 1** Touch  button. Then the indicator lamp comes on, and the door linkage function is turned off. Touch the button again. Then the indicator lamp goes out, and the door linkage function is turned on.
- 2** Touch  button to turn on the front interior lamp, and touch the button again to turn off the front interior lamp.
- 3** Touch the front interior lamp position on one side to turn on the front interior lamp; Touch it again to dim the lamp brightness; Touch it again to turn off the front interior lamp.

Rear reading lamp

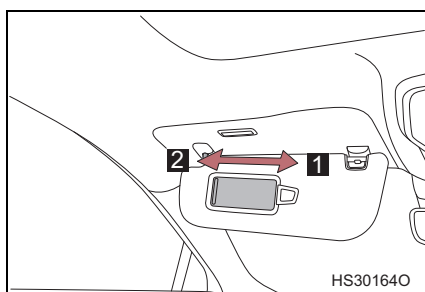


Touch  button to turn on the rear reading lamp, and touch it again to turn off the rear reading lamp.



Touch  button to turn on the rear reading lamp on the corresponding side, and touch the button again to turn off the rear reading lamp.

Vanity mirror lamp



- 1 Open the sun visor and slide open the vanity mirror cover to turn on the vanity mirror lamp.
- 2 Close the vanity mirror cover to turn off the vanity mirror lamp.

4

Comfort adjustment

Energy saving control

With the interior lamp door linkage function turned on, if the door is open, the interior lamp will be on for a period of time and then go out; when the engine switch is turned off and the doors are closed, the interior lamp and ambient lamp will go out after a delay.

CAUTION

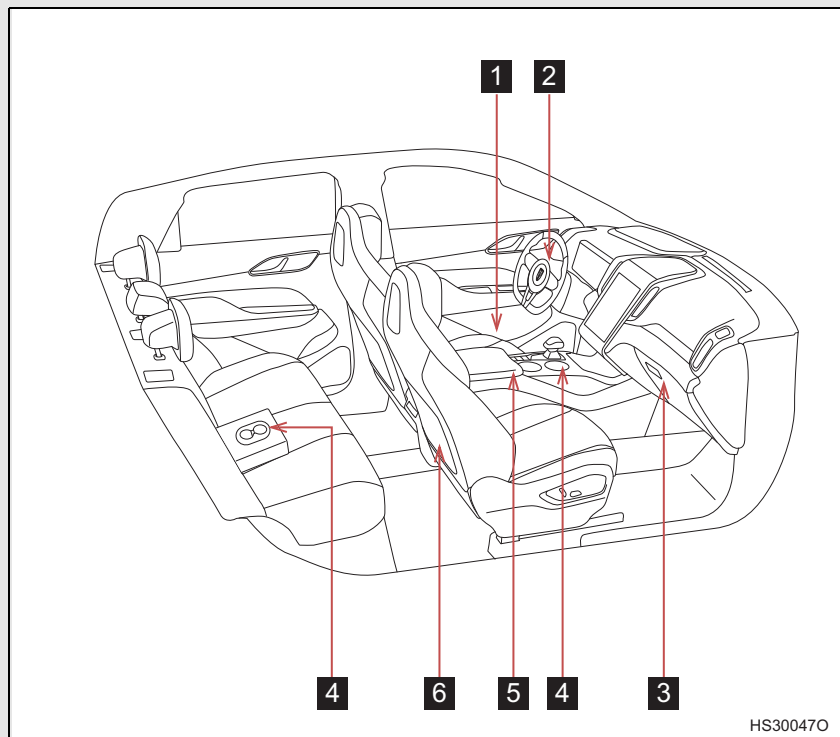
■ Preventing a depleted 12 V battery

Turn off the interior lamps when not needed.

Do not allow the vanity mirror cover or the doors to be in open status for a long time. When they are opened, the corresponding interior lamps will come on and the battery may be depleted.

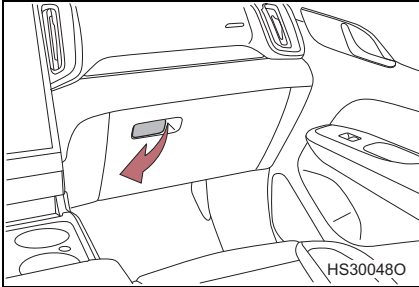
4-7. Storage compartments

Using storage compartments



- 1** Storage box
- 2** Storage box on left lower guard
- 3** Glove box
- 4** Cup holder (front/rear)
- 5** Front center storage box
- 6** Document pocket

Glove box



Pull the release handle to open the glove box.

When closing the glove box cover, a "click" is emitted to indicate that it is securely locked.

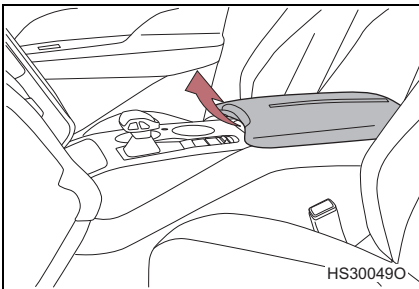
WARNING

■ **Warning during driving**

Keep the glove box closed.

Failure to do so may result in personal injury in the event of an accident or emergency braking.

Front center storage box



Open the storage box by lifting the storage box cover.

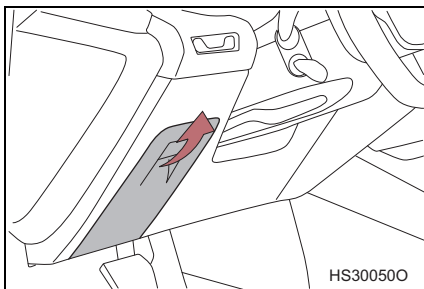
WARNING

■ **Warning during driving**

Keep the storage box closed.

Failure to do so may result in personal injury in the event of an accident or emergency braking.

Storage box on left lower guard



Pull the release handle to open the storage box.

When closing the storage box cover, a "click" is emitted to indicate that it is securely locked.

WARNING

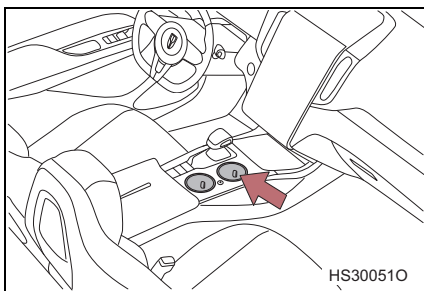
■ **Warning during driving**

Keep the storage box closed.

Otherwise it may affect normal driving of the driver, and result in injury in the event of an accident or emergency braking.

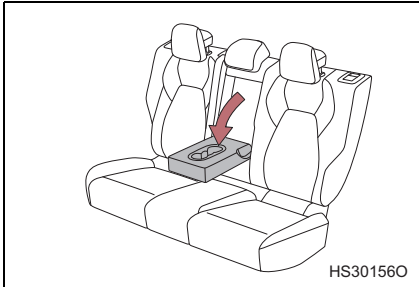
Cup holder

► Front



It can be used to securely place cups, movable ashtrays or beverage cans, etc.

► Rear



Lower the rear center armrest to use it.

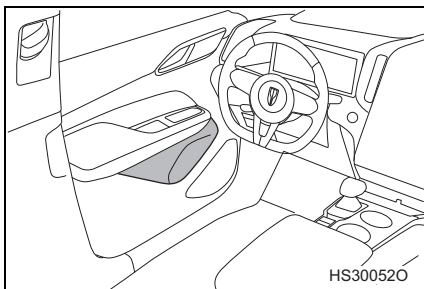
■ **When storing a cup in cup holder**

- Tighten the cup cover.
- Depending on size or shape, certain cups may not be stored in the cup holder.

**WARNING**■ **When using cup holder**

- Do not place anything other than cups or aluminum cans in the cup holder, as such items may be thrown out of the cup holder and cause personal injury in the event of an accident or emergency braking.
- It is dangerous to use a cup holder for holding a cup with hot liquid. If the liquid inside the cup is spilled, it may cause burns.
- Be careful to prevent foreign objects such as liquids from coming into contact with the electrical parts around the cup holder, as this may cause risk of short circuit or electric shock.

Storage box

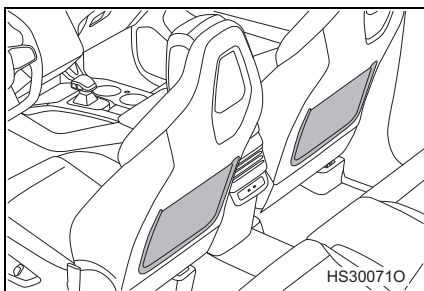


A storage box is provided on each door and can be used to store miscellaneous items such as bottles or rags.

When storing bottles, tighten the caps.

Depending on size or shape, certain bottles may not be stored in the storage box.

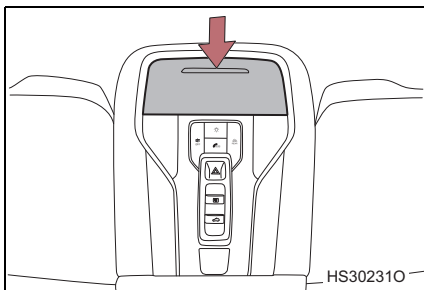
Document pocket



Document pockets are located on the rear of the driver's and front passenger's seat backs.

They are used for storing newspapers, magazines and other items.

Glasses box



Press the edge of the lid and the glasses box will open downwards.

It is used to store sunglasses and other small items temporarily.

**WARNING****■ Items unsuitable for storing in the glasses box for a long period of time**

Do not leave glasses in it for a long period of time.

If the interior of vehicle becomes hot, the glasses may be deformed by heat.

■ Items unsuitable for storing in glasses box

Do not leave the lighter in it.

If the interior of vehicle becomes hot, the lighter may explode.

■ Warning during driving

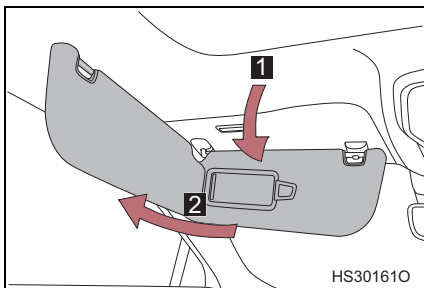
Keep the glasses box closed during driving.

Otherwise, in the event of an accident or emergency stop, the stored items may be thrown out, resulting in personal injury.

4-8. Other equipment

Using other equipment

Sun visor



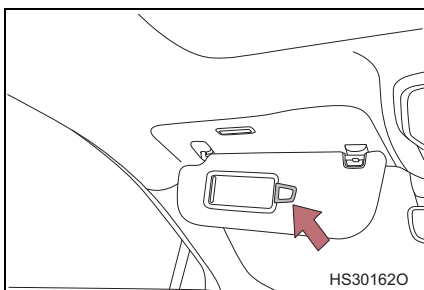
1 Front position

Turn down the sun visor.

2 Side position

Turn down the sun visor, unhook it, and pull it to the side.

Document holder



The document holder is located on the driver's sun visor.

It is used to store tickets, business cards and other objects.

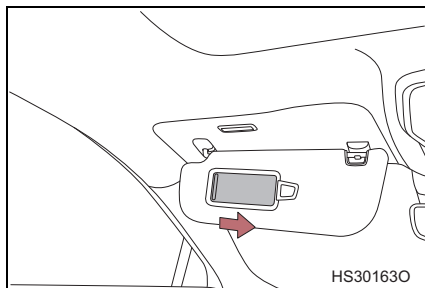


CAUTION

■ Preventing damage to the document holder

Do not put too many objects in the document holder.

Vanity mirror



Turn down the sun visor and slide the vanity mirror cover to open the mirror.

CAUTION

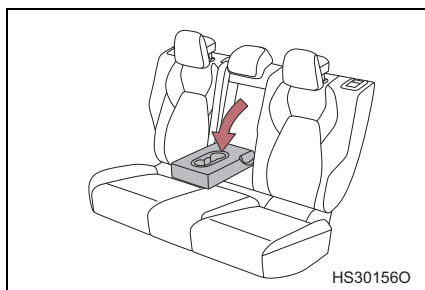
■ When not in use

Keep the vanity mirror closed.

■ Preventing low battery

Do not allow the vanity mirror lamp to be on for a long time while the vehicle is not started.

Rear center armrest



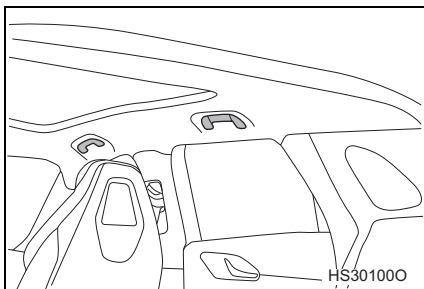
Pull down the armrest to use it.

CAUTION

■ Preventing damage to the armrest

- Do not press down hard on the armrest when using it.

Roof grab handle



The roof grab handles are located at the roof side beams.

When sitting in the seat, you can have your body supported by the roof grab handles.



WARNING

■ Roof grab handle

Do not use the roof grab handles when getting on and off the vehicle or when getting up from the seat.

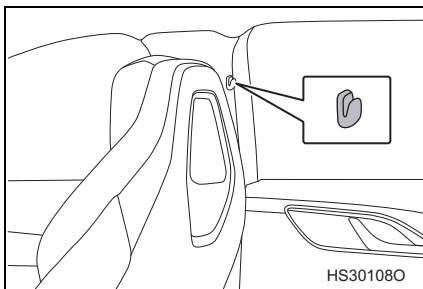


CAUTION

■ Preventing damage to the roof grab handles

Do not hang any heavy objects or apply heavy loads to the roof grab handles to prevent damage.

Coat hook



You can hang your clothes on the coat hook.



WARNING

■ Items that should not be hung on coat hook

Do not hang clothes racks or other hard or sharp objects on the coat hook. If the curtain airbag is deployed, these objects may be ejected, resulting in serious injury or death.

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**5-3. Using hands-free
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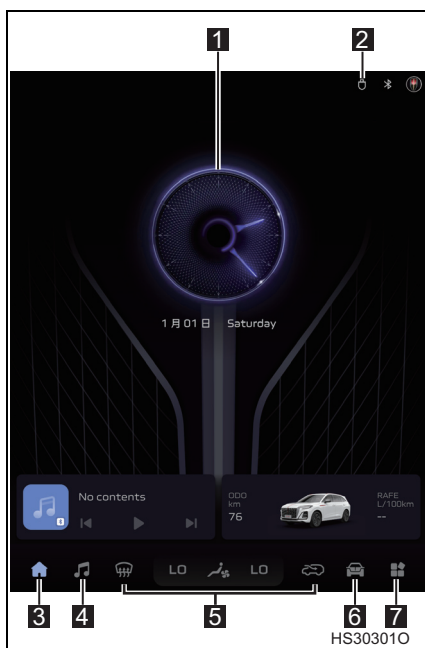
Hands-free system ... 166

5-1. Basic operation

Multimedia display

Users can operate the functions such as navigation, entertainment, settings, phone, service and A/C through the multimedia display.

Front entertainment display



- 1** Function display interface
The default interface is [Navigation] function interface. Corresponding interface is displayed when turning on each function.
- 2** Status bar
Touch the status bar icon to perform quick operation of the corresponding functions.
- 3** Scene mode
Touch to pop up the scene mode control menu. For the selected scene mode, A/C, audio, seats and other comfort systems can be automatically set; Touch (?) to check the description of scene mode.
- 4** Entertainment
Touch to enter [Entertainment] function interface; Music, radio and other entertainment functions can be used.

5 A/C setting bar

Touch  to quickly operate the related functions of A/C;
Touch  to enter A/C operation interface.

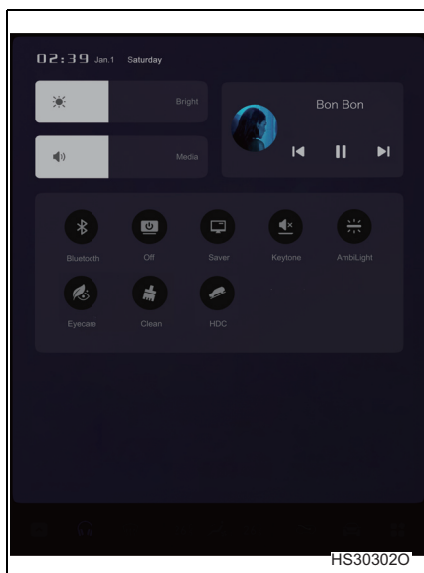
6 Setting

Touch to enter [Setting] function interface; Driving, vehicle, display, connection, audio, system and other setting functions can be viewed and operated.

7 Extended application

Touch to enter [Extended application] function interface; Bluetooth phone, repair and maintenance, file management and other functions can be viewed and operated.

■ Shortcut menu on entertainment display



With system on, swipe down on the screen to pull out the shortcut menu, and you can perform shortcut operations to view some functions such as screen brightness, multimedia volume, message center, etc.

■ Preventing damage to the multimedia display

- During operation, touch the multimedia display gently with fingers. If the content shown on the multimedia display cannot be called out, it indicates that the content may not be available at the moment. Do not press the screen buttons excessively to avoid damage to the device.
- Do not use sharp or angular hard objects to touch the multimedia display; otherwise the multimedia display may be damaged.
- Do not spray liquid directly onto the multimedia display. If liquid leaks into the equipment, the electronic components may be damaged.
- When cleaning the surface of the multimedia display, set power (ignition) switch to "IG-OFF" mode and wipe the screen with a soft and dry cloth. Do not use coarse rags, chemical rags or organic reagents (alcohol, benzene, disinfectant, etc.) for cleaning, as they can damage or deteriorate the panel.

■ When using the multimedia display

- If the multimedia display is cold, the display may be dark, or the system may seem to be operating slightly slower than normal.
- The display may be dark or difficult to see clearly when you wear sunglasses, so change the angle of the multimedia display or remove the sunglasses.
- Do not expose the multimedia display to sunlight for a long time.
- Do not expose the multimedia display to moisture, dust, oil smoke, etc.



WARNING

■ When using the in-vehicle infotainment system

- Please avoid operating the system as much as possible while driving.
- The volume should be adjusted properly so that the situation outside the vehicle can be heard during driving. Otherwise, an accident may happen.
- Do not use the system in a fault state where there is no image or sound, as this may cause an accident, fire, electric shock or fatal injury.
- Do not operate the system in no-parking areas, as this may result in traffic accidents.
- For the sake of safety, the use of this function shall never distract your attention or hinder safe driving. Ignoring road and traffic conditions can lead to accidents.

■ Do not disassemble or modify this product without permission, as this may cause traffic accidents, fires, or electric shocks.

■ In case of abnormal conditions such as entry of foreign materials or water ingress, stop using the system immediately and contact an authorized FAW Hongqi dealer. If you continue to use the system, a fault may occur.

**CAUTION****■ Preventing a low 12 V battery**

Turn off the in-vehicle infotainment system if it is not needed when the engine switch is turned off.

■ Noise from the in-vehicle infotainment system

- Due to the high sensitivity of this system, the system may make interference noises when closing to TV towers, radio stations, power plants or other places with strong radio waves or electrical noise interference.
- During operation, the in-vehicle infotainment system may make interference noises when a mobile phone is used in or near the vehicle.

■ Preventing damage to the in-vehicle infotainment system

Be careful not to spill drinks or other liquids on the in-vehicle infotainment system. If liquid or other objects enter the unit, switch off the power immediately and contact an authorized FAW Hongqi dealer.

■ Compatibility

Some devices may not work properly due to their own compatibility.

■ In case of a fault

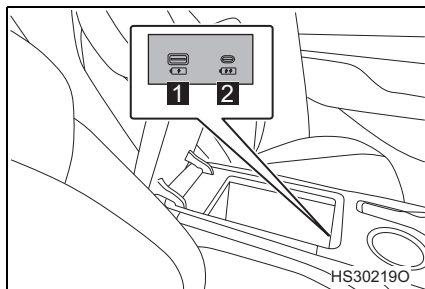
If the fault cannot be eliminated, please contact an authorized FAW Hongqi dealer.

5-1. Basic operation

Data interface

After connected to the data interface, an USB device can be operated through the in-vehicle infotainment system.

Using the data interface



Connect an external multimedia source.

1 Type-A port

2 Type-C port

■ USB memory

Connect a USB memory device.

If the USB memory is not started, turn on its power supply.



WARNING

■ During driving

Do not connect the device or operate its control buttons to prevent accidents.

**CAUTION****■ Preventing damage to USB devices or their terminals**

- Be sure to keep the interface clean. If foreign matter or liquid enters the interface, the in-vehicle infotainment system may malfunction.
- Do not plug high-current USB devices other than U disk and mobile phone, such as mobile hard disks and portable powers.
- Do not leave the USB device in the vehicle, as the temperature inside the vehicle may rise, causing damage to the USB devices.
- Do not press or apply unnecessary pressure to the USB device when it is connected.
- Do not insert foreign objects into the interface.

■ Compatibility

Some devices may not work properly due to their own compatibility.

■ Ensuring proper system recognition

USB devices with poor quality may not be identified by the system, so it is recommended to use high-quality USB devices.

■ When getting off the vehicle

Do not leave items such as mobile phones in the vehicle. The temperature inside the vehicle may rise, causing damage to mobile phones.

■ Preventing a depleted battery

Do not allow the USB port to be in use for a long time when the engine is shut down.

■ Mobile phone data cable

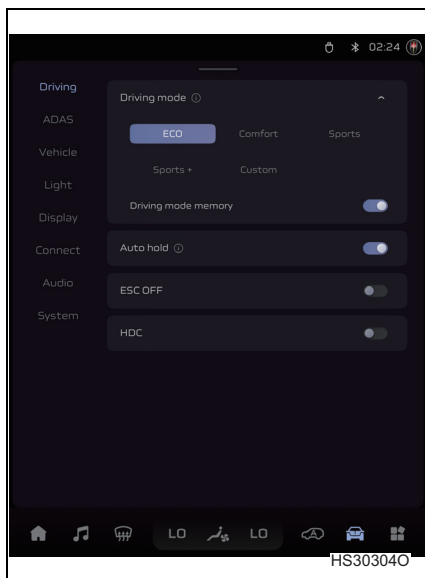
The USB cables supplied with mobile phones are recommended for connection to ensure a stable connection.

5-2. Using in-vehicle infotainment system

Setting

On the main menu interface, touch  button to enter setting function interface.

Driving setting



1 Driving mode

- **Mode selection:** Set five driving modes, namely economic, comfort, sport, sport+ and custom; at the same time, set the driving characteristics in custom mode.
- **Driving mode memory:** Set the ON/OFF of driving mode memory.

2 AUTO HOLD

Set the ON/OFF of AUTO HOLD function.

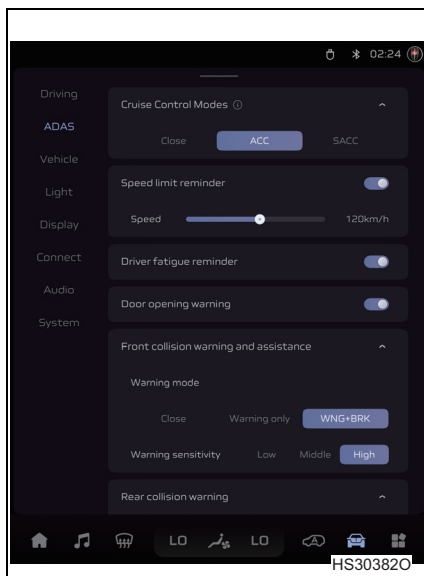
3 ESC OFF

Set the ON/OFF of ESC.

4 Hill descent control

Set the ON/OFF of hill descent control.

Driver assistance setting



1 Cruise mode

Set the ON/OFF of cruise function. Cruise mode can be set to SACC or ACC.

2 Speed limit reminder

Speed limit reminder can be set.

3 Driver fatigue reminder

Set the ON/OFF of driver status monitoring system.

4 Door opening warning

Set the ON/OFF of door opening warning function.

5 Front collision warning and assistance

- **Warning mode:** Set the ON/OFF of front collision warning, the warning mode can be set to front collision warning (FCW) only, alarm + automatic emergency braking (AEB).

- **Warning sensitivity:** Alarm trigger sensitivity can be set to low, medium or high.

6 Rear collision warning

- **Rear cross traffic alert:** Set the ON/OFF of rear cross traffic alert function.
- **Rear collision warning:** Set the ON/OFF of the rear collision warning function.

7 Lane departure warning and assistance

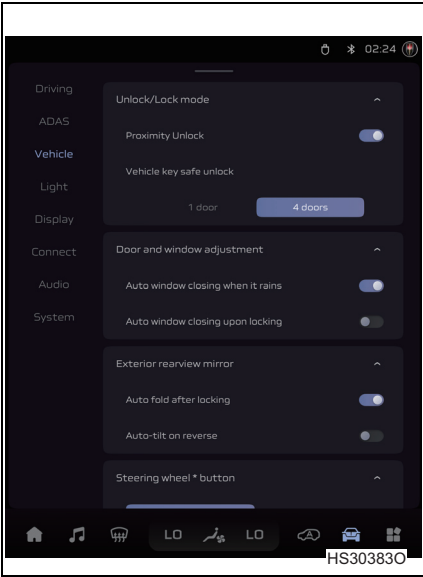
- **Warning mode:** Set the ON/OFF of lane departure warning, the warning mode can be set to lane departure warning (LDW) only, alarm + lane keeping assist (LKA).

- **Warning sensitivity:** Warning trigger sensitivity can be set to low, medium or high.

3 Blind spot detection/lane change assistance

Set the ON/OFF of blind spot detection/lane change assist function.

Vehicle setting



1 Unlocking/locking mode

- **Auto proximity unlocking:** Set the ON/OFF of auto proximity unlocking.

When this function is turned on, if the driver approaches the vehicle with the smart key carried, the vehicle will be unlocked automatically.

- **Key secure unlocking:** Set the ON/OFF of secure unlocking.

Single door: Press the smart key unlock button once to unlock the driver door;
Press the smart key unlock button twice consecutively to unlock all doors.

Four doors: Press the smart key unlock button once to unlock all doors.

2 Door and window adjustment

- **Auto closing of windows in rainy days:** Set the ON/OFF of automatic window and sunroof closing function in rainy days.

- **Auto closing of windows after locking the vehicle:** Set the ON/OFF of automatic window and sunroof closing function after locking the vehicle.

3 Exterior rearview mirror

- Auto folding of exterior rearview mirror after locking the vehicle: Set the ON/OFF of automatic folding function of exterior rearview mirrors.
- Auto tilting of right rearview mirror during reversing: Set the ON/OFF of downward tilt function of right rearview mirror during reversing.

4 * button on steering wheel

- * button on multi-functional steering wheel can be set as theme switching or ambient lamp switch.

5 Rear seat belt unfastened reminder

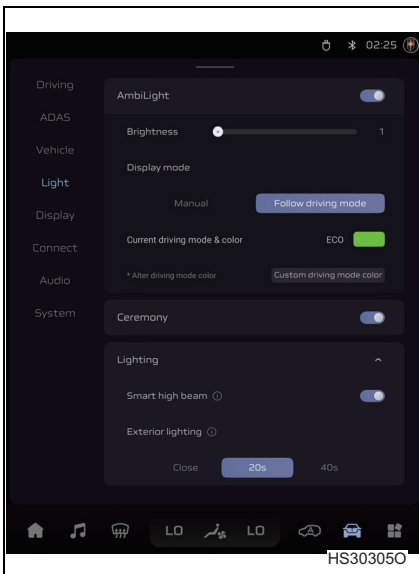
Set the ON/OFF of rear seat belt unfastened reminder function.

6 Wiper service position

Set the ON/OFF of wiper service position.

When the wiper service position function is turned on, place the wiper in the service position if conditions permit.

Lighting setting

**1 Ambient lamp**

Set the ON/OFF of ambient lamp.

- It can be used to adjust brightness and color, and set the ambient lamp color switch along with driving mode.

2 Ceremonial sense

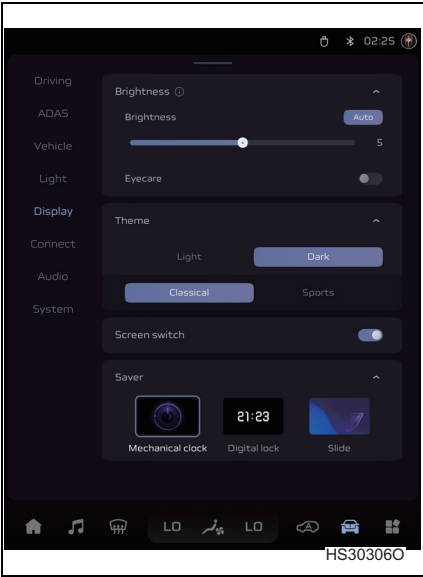
Set the ON/OFF of ambient lamp when the vehicle is unlocked or locked.

3 Lighting

- Intelligent high beam lamp: Set the ON/OFF of intelligent high beam control system.

- Exterior auxiliary lighting:
Set the ON/OFF and duration of getting-off lighting and boarding lighting.

Display setting



1 Brightness

- Display mode: Two display modes can be set: Auto, non-auto.
In auto mode, the daytime display brightness can be set when the position lamp is turned off, and the nighttime display brightness can be set when the position lamp is turned on. After setting, it will be automatically adjusted to the set brightness when the position lamp is turned on/off.
- Eye protection mode: Set the ON/OFF of eye protection mode.

2 Theme

The theme can be set as light color or dark color; Under dark theme, classic or sports mode can be selected.

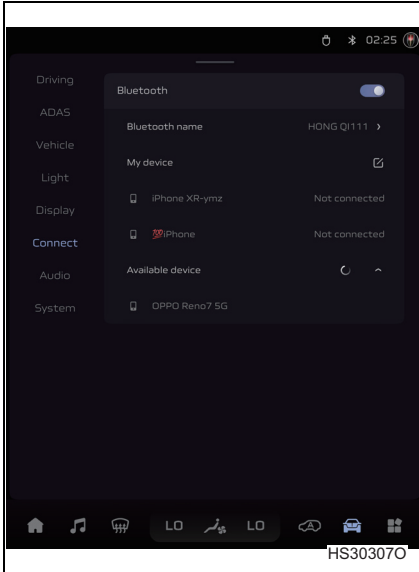
3 Screen on/off

Set the ON/OFF of multimedia display.

4 Screensaver

The screensaver can be set as a mechanical clock, digital clock or slide.

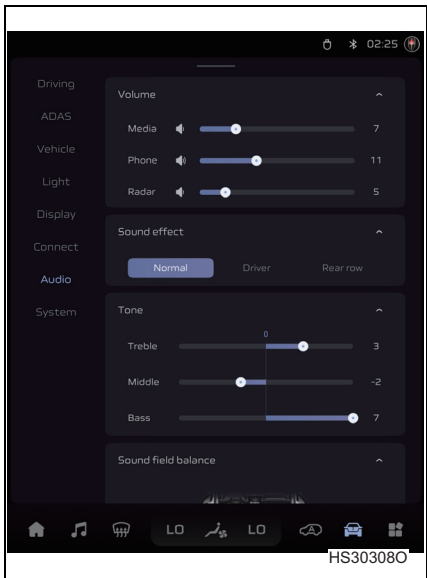
Connection setting



1 Bluetooth

- Bluetooth can be turned on or off. When Bluetooth is turned on, the saved devices and available devices can be viewed, connected and deleted, and the Bluetooth name can be set at the same time.

Audio setting



1 Volume

- Multimedia: Set the volume of multimedia.
- Phone: Set the volume of in-vehicle Bluetooth call.
- Radar: Set the volume of radar.

2 Sound effect mode

Three modes can be set: Normal balance, driver seat priority and rear VIP.

3 Timbre

The treble, mid and bass levels can be adjusted.

4 Sound field balance

By dragging the circular cursor, you can select the optimal sound field position and restore the default reset.

5 Key tone

Set the ON/OFF of screen key tone.

6 Multimedia volume reduction

Set the ON/OFF of multimedia volume reduction.

When radar sound and multimedia sound coexist, the multimedia volume is reduced.

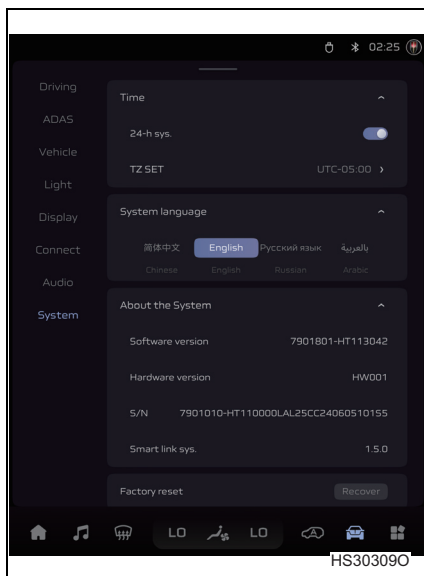
7 Volume increases with vehicle speed

Set the ON/OFF of multimedia volume adjustment with vehicle speed.

8 Alarm tone

Alarm tone can be set to low, medium or high.

System setting



1 Time

- 24h: 24h format is applied at power-on; 12h format is applied at power-off.
- Time zone setting: UTC time zone can be set.

2 Language

Language can be set to simplified Chinese, English, Russian or Arabic.

3 About the system

System information can be viewed.

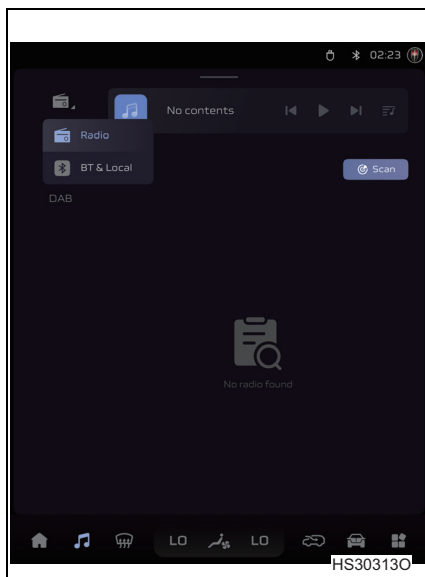
4 Factory reset

System can be restored to factory setting.

5-2. Using in-vehicle infotainment system

Entertainment

On the main menu interface, touch  button to enter the entertainment function interface.



1 Radio

Play and search for FM radio, AM radio and DAB radio*.

2 Bluetooth & local

View and play the local music and Bluetooth music.

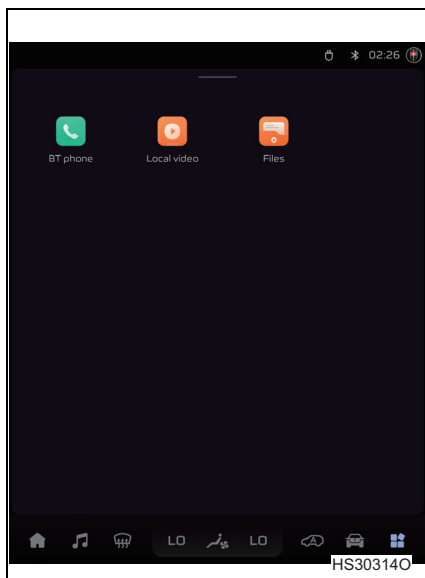
■ Antenna

The radio antenna is built into the shark fin antenna.

5-2. Using in-vehicle infotainment system

Extended application

On the main menu interface, touch  button to enter the extended application function interface.



1 Bluetooth phone

On-board Bluetooth phone function can be used after connecting to Bluetooth.

2 Local video

View and play the local video.

3 File management

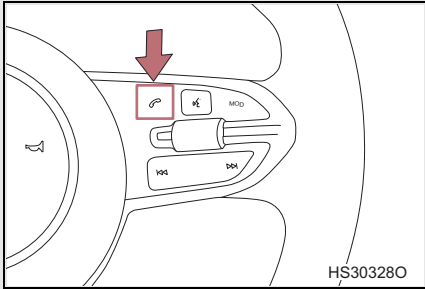
View and manage local, USB1 and USB2 files.

Hands-free system

The hands-free system has the function of operating the phone without touching the mobile phone.

This system support Bluetooth® mobile phones. Bluetooth® is a wireless data system that establishes wireless connection between the mobile phone and the hands-free system.

■ Phone button



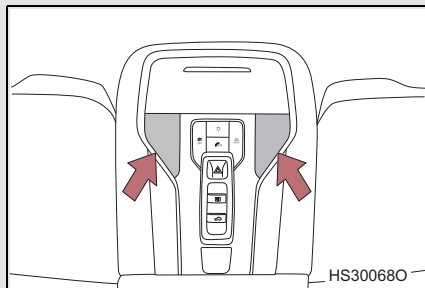
The phone button is located in the position shown in the figure.

See the following table for specific functions:

Information description	Function
Press	Press: In case of an incoming call: Answer the current incoming call; Call/dial-out state: Hang up the current call; Display the list of recent calls on the multimedia display when there is no incoming call.
Press and hold	End the current call when there is an incoming call.

Before using the hands-free system, you must bind a Bluetooth phone.

■ Bluetooth microphone



Located near the front interior lamp.

- If the volume of reception is too high, you may hear an echo.
- Try to face the microphone when speaking.
- Under the following circumstances, it may be difficult for the other party to hear the sound:
 - Phone signal is poor.
 - Drive on an unpaved road.
 - Drive at high speed.
 - Window is open.
 - The A/C outlet is facing the microphone.
 - The air volume of A/C blower is too high.

■ The system will be inoperative under the following conditions:

- The used phone does not support Bluetooth®.
- The mobile phone is turned off or in flight mode.
- The current location is outside the service area.
- The mobile phone is not connected.
- The mobile phone battery is low.

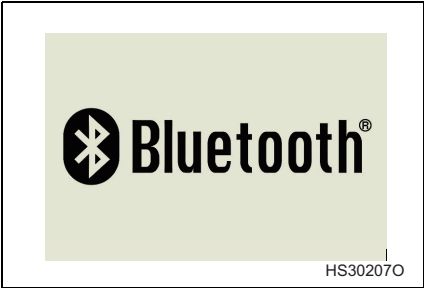
■ Bluetooth® signal

If a mobile phone is placed in the storage box, or in contact with or covered by metal materials, its connection state may deteriorate.

■ **Battery level/signal status**

This display may not be exactly consistent with that of mobile phones.

■ **About Bluetooth®**



Bluetooth® is the trademark of Bluetooth SIG, Inc.

■ **Compatible type**

The Bluetooth hands-free system is only compatible with Bluetooth certified (SIG) phones sold through regular channels and of mainstream brands.



CAUTION

■ **When getting off the vehicle**

Do not leave items such as mobile phones in the vehicle. The temperature inside the vehicle may rise, causing damage to mobile phones.

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6-2. Driving specifications

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6-3. Operating lamps and wipers

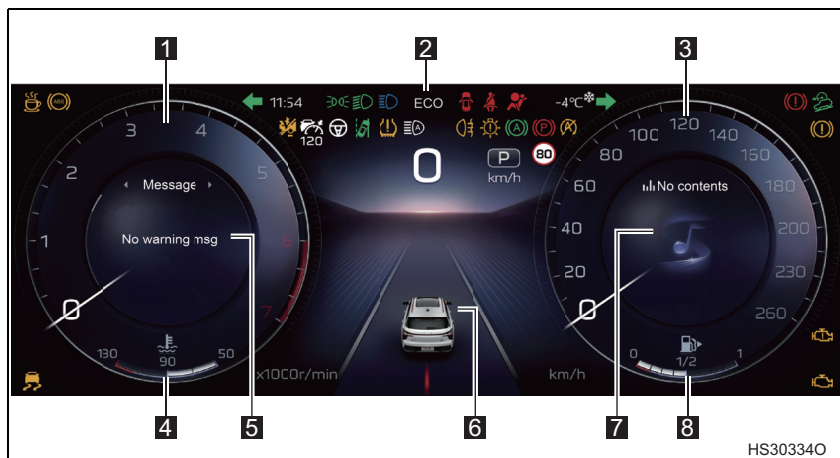
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6-1. Instrument information

Instrument cluster



Depending on vehicle configurations, the specific displayed information will vary.

1 Tachometer

Display the engine RPM.

2 Prompt/alarm icon display area

Display information regarding vehicle indicator lamps and warning lamps.

3 Speedometer

Display the vehicle speed.

4 Engine coolant temperature display area

Display the engine coolant temperature information.

5 Driving information display area

Display driving information, tire pressure monitoring, alarm query and drive mode etc.

6 Comprehensive information display area

Display information regarding gear, vehicle speed, driving assistance, date and various alarms/prompts, etc.

7 Media information display area

Display information regarding music, radio, call, etc. in the in-vehicle infotainment system.

8 Fuel gauge display area

Display the remaining fuel amount.

**WARNING****■ Prevent damage to engine and its components**

- If the tachometer pointer is in the red zone, it indicates that the engine speed is close to the maximum value. In this case, control the speed.
- If the temperature gauge pointer is in the red zone, the engine may have overheated. In this case, park the vehicle in a safe place immediately, and then check the engine after it has completely cooled down.

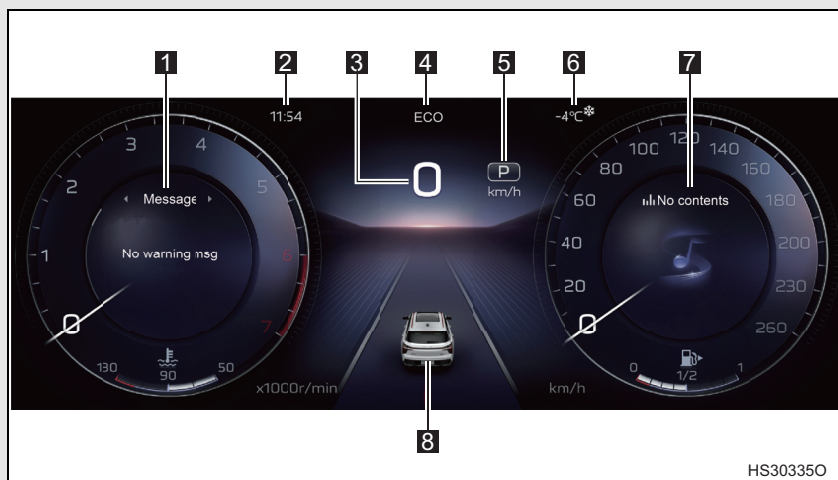
■ In case of brightness adjustment

For the sake of safety, please adjust the backlight brightness during parking, and do not distract attention and hinder safe driving while using this function. Ignoring road and traffic conditions can lead to accidents.

6-1. Instrument information

Information on multi-function display of instrument cluster

The driver can view driving-related information and audio information through the driving information display area, media information display area and comprehensive information display area in the instrument cluster.

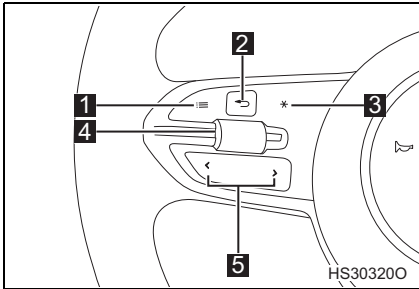


HS303350

- 1** Driving information display area
- 2** Time display area
Display the clock information.
- 3** Speed display area
Display the current speed of the vehicle.
- 4** Driving mode display area
Display the current driving mode information.
- 5** Gear display area
Display the current gear of the vehicle.
- 6** Environmental information display area
Display the outside ambient temperature.
- 7** Media information display area
- 8** Comprehensive information display area

Buttons on steering wheel

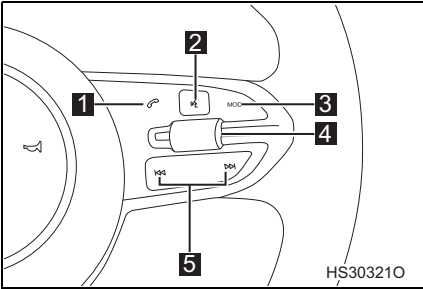
■ Buttons on the left of steering wheel



- 1 Menu button
- 2 Back button
- 3 Multi-function button
- 4 Scroll wheel
- 5 Left/right selection button

No.	Function
1	Press: Enter/exit the backlight brightness and instrument cluster full-screen navigation setting interface Press and hold: Press and hold for more than 10 seconds to restart the in-vehicle infotainment system
2	Press: Return to the previous interface
3	Press: Switch the multimedia display full-screen navigation, theme switching or turn on/off the ambient lamp Function settings of the multi-function button can be performed via the in-vehicle infotainment system. (See P.159)
4	Scroll: Switch options up and down Press: Confirm the selection
5	Press: Switch between driving information, tire pressure monitoring and fault query

■ Buttons on the right of steering wheel



- 1 Phone button
- 2 Voice recognition button*
- 3 MOD button
- 4 Scroll wheel
- 5 Track/radio station button

No.	Function
1	Press: Answer the current incoming call when there is an incoming call End the current call when there is call/dial-out Display the last call information when there is no incoming call, and dial out if it is pressed again Press and hold: End the current call when there is an incoming call
2	— —
3	Press: Switch multimedia audio sources
4	Scroll: Increase/decrease the volume, and unmute the media source in mute state Press: Mute/unmute
5	Press: Previous track (radio station)/next track (radio station)

 **WARNING**

■ **During driving**

During operation of buttons on steering wheel, extra care must be taken to avoid accidents.

Driving the vehicle

The following driving specifications must be observed to ensure safe driving.

■ Starting engine (see P.183)

■ Driving

Step 1 Depress the brake pedal and set the shift lever to D position, to release the EPB automatically.

Step 2 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

■ Stop

Step 1 When the shift lever is set to D position, depress the brake pedal.

Step 2 If necessary, apply the EPB.

For long-term parking, be sure to set the shift lever to P or N position.

■ Parking

Step 1 When the shift lever is set to D position, depress the brake pedal.

Step 2 Press the P position button and set the shift lever to P position, to apply the EPB automatically.

Step 3 Press the engine switch to shut down the engine.

Step 4 Lock the doors and make sure to carry the key with you.

Starting on a steep slope

Step 1 The driver fastens the seat belt, closes the doors, firmly depresses the brake pedal and sets the shift lever to D position.

Make sure the gear indicator lamp shows D.

Step 2 Manually apply the EPB.

Step 3 Release the brake pedal and gently depress the accelerator pedal.

■ During starting on an uphill slope

The Hill Hold Control (HHC) activates automatically to prevent the vehicle from slipping. (See P.257)

■ Emergency stop signal (ESS)

When a certain speed is reached, if emergency braking is applied, the brake lamp flashes quickly to remind the following vehicle until the brake pedal is released.

■ Driving in the rain

- When it rains, as visibility is reduced, windows fog up easily and the road is slippery, so drive with caution.
- When it rains, do not drive at a high speed because a water film will form between tires and road surface, hindering the normal operation of steering and braking.

■ Overspeed alarm*

The overspeed alarm function will be activated when driving vehicle at a speed of more than 120 km/h. Please slow down at this time.

■ Running in new vehicle

To extend the life of the vehicle, it is recommended that you observe the following precautions:

- Within the first 1,000 km:
 - Do not perform emergency stop.
 - Do not drive at a very high speed.
 - Do not accelerate suddenly.
 - Do not drive at a consistently low speed.
 - Do not drive at a constant speed for a long time.

■ Driving abroad

Please comply with the laws and regulations of the respective country or region, and make sure that applicable fuel can be obtained locally.

**WARNING****■ During start**

When the engine is started and the vehicle is stopped, always keep your foot on the brake pedal. This will prevent the vehicle from moving unexpectedly.

■ Precautions when driving

- If you are not familiar with the position of brake pedal and accelerator pedal, do not drive to avoid depressing the wrong pedal.
 - If the accelerator pedal is accidentally depressed when the brake pedal should be depressed, sudden acceleration will be caused, which may lead to serious accidents.
 - Although the vehicle is equipped with reverse image system and parking radar, please operate the accelerator pedal carefully during reversing.
 - During reversing, you may twist your body around, leading to a difficulty in operating the pedal. Make sure to operate the pedal in the proper seating position..
 - Even if move the vehicle slightly, you should keep the correct driving posture, so that you can depress the brake pedal and accelerator pedal accurately.
 - Depress the brake pedal with your right foot. Depressing the brake pedal with the left foot in an emergency may lead to delayed response, resulting in an accident.
- Do not drive over flammables or park near them.
Flammables may be ignited because the exhaust system and exhaust gas are extremely hot.
- Do not move the vehicle backward when the shift lever is set to D or P position, or forward when the shift lever is set to R or P position; otherwise, it may cause accidents or damage the vehicle.
- If you smell exhaust gas in the vehicle, open the windows.
A large amount of exhaust gas in the vehicle may seriously endanger the health of driver and passengers, or even cause accidents.
- Do not set the shift lever to P, R or N position when the vehicle is moving forward; otherwise, it may seriously damage the automatic transmission and cause the vehicle to lose control.
- Do not set the shift lever to P, D, M or N position when the vehicle is moving backwards; otherwise, it may seriously damage the automatic transmission and cause the vehicle to lose control.



WARNING

- Do not set the shift lever to N position during driving; otherwise, the engine brake may not work normally, causing an accident.
- Do not shut down the engine during driving.
If the engine is not running, the brake booster, etc. will not work normally.
- When going down a steep slope, please use the engine braking (downshift) function to maintain a safe vehicle speed.
Continuous use of the brake may cause brake overheating and failure.
- When the vehicle is parked on an inclined road, depress the brake pedal and apply the EPB to prevent the vehicle from moving forward or backward, causing an accident.
- Do not adjust the position of steering wheel, seat, interior or exterior rearview mirror during driving; otherwise, it may cause accidents.
- Be sure to check that all occupants' arms, heads or other body parts are not stuck out of the vehicle; otherwise, serious personal injury may be caused.

■ When driving on a slippery road

- Emergency braking, acceleration and turns may cause wheel slippage and reduce the maneuverability of the vehicle, causing accidents.
- A abrupt change in engine speed, such as engine braking caused by downshifting, may cause vehicle slippage, resulting in accidents.
- After passing through a puddle, gently depress the brake pedal to ensure normal brake function. Wet brake linings may impede normal braking. Even if only brake lining on one side gets wet, it can affect vehicle control.

■ When operating the shift lever

Be careful not to shift gears when depressing the accelerator pedal; otherwise, the vehicle may accelerate suddenly, thus causing accidents.

**WARNING****■ When the vehicle stops**

- Do not run the engine at a high speed.
If the shift lever is in a position other than P or N, the vehicle may accelerate suddenly, thus causing accidents.
- Do not leave the vehicle for a long time when the engine is running.
If this situation cannot be avoided, please park the vehicle in an open place and check that the exhaust gas does not enter the vehicle.
- When the engine is running, please make sure that the EPB works normally; otherwise, keep your foot on the brake pedal to prevent accidents caused by vehicle movement.

■ After the vehicle is parked

- Do not leave spectacles, lighters, sprayers or soft drink cans in the vehicle at a high temperature place; otherwise, the following unexpected circumstances may occur.
 - Gas leaks from lighters or sprayers, causing fires.
 - The interior temperature may deform or rupture the lenses and other plastic parts of spectacles.
 - A soft drink can may rupture, causing the beverage to spill onto interior trims of vehicle, and potentially causing a short circuit in electrical components of the vehicle.
- Be sure to apply the EPB, set the shift lever to P position, turn off the engine switch and lock the vehicle.
- Do not touch the exhaust pipe when the engine is running or just after it is shut down; otherwise, it may cause a scald.
- Do not keep the engine running in places with deep snow or where it is snowing.
If the vehicle is trapped in snow when the engine is running, the exhaust gas may accumulate and enter the vehicle. This may seriously endanger health.
- Avoid engine idling at a high speed.
Running the engine at high speed with the vehicle stopped may cause the exhaust system overheating, and if there are flammables nearby, a fire may be caused.



WARNING

■ Exhaust gas

- Exhaust gas contains colorless and odorless harmful gas - carbon monoxide (CO). Inhaling a large amount of exhaust gas may seriously endanger health and even lead to death.
- If the vehicle is parked in a poorly ventilated place, shut down the engine. In a closed place, such as a garage, exhaust gas may accumulate and enter the vehicle. This may seriously endanger health and even lead to death.
- The exhaust system should be checked irregularly. If there are holes or cracks, joint damage or abnormal exhaust noise due to corrosion, please contact an authorized FAW Hongqi dealer to inspect and repair the vehicle.

■ While napping in the vehicle

Be sure to shut down the engine. Otherwise, it is possible to accidentally move the shift lever or depress the accelerator pedal, thus causing an accident or engine overheating. In addition, if the vehicle is parked in a poorly ventilated place, the exhaust gas may accumulate and enter the vehicle, which may seriously endanger health and even lead to death.

■ When applying the brake

- Drive carefully when the brake is wet.
When the brake is wet, the braking distance will increase, the braking effects on both sides of the vehicle may be different, and the parking brake may not hold the vehicle still.
- If the brake assist function is abnormal, do not follow other vehicles at close range, and avoid going down long slopes or sharp turns.
In this case, a greater force than usual is required to depress the brake pedal, and the braking distance may also increase.
- If the engine stalls, do not depress the brake pedal repeatedly. Part of the pressure used for brake boost will be consumed every time the brake pedal is depressed.

**CAUTION**

■ **During driving**

- Do not depress the accelerator pedal and brake pedal at the same time, otherwise the engine output may be limited.
- Do not use the accelerator pedal or depress the accelerator pedal and brake pedal at the same time to park on a slope.

■ **Using the vehicle in cold weather (below 0 °C)**

It is recommended to idle for 1-3 minutes after cold start, and then drive after the oil temperature is raised, which is conducive to fuel saving, protection of the engine and transmission, and enhancement of driving comfort.

■ **Using the vehicle use in extremely cold weather (below -25 °C)**

There may be a short delay in switching gears at extreme cold temperature; you must make sure that the vehicle is in the correct gear before driving.

■ **When parking**

For long-term parking, be sure to apply the EPB and set the shift lever to P position. Otherwise, it may cause the vehicle to move, or suddenly accelerate when the accelerator pedal is accidentally depressed.

■ **Avoid damaging vehicle parts**

- Do not turn the steering wheel to the limit in either direction and keep it for a long time; otherwise, the power steering system will be damaged.
- During driving on a bumpy road, try to drive at a low speed to avoid damaging the wheels and bottom of the vehicle.

■ **In case of flat tire during driving**

Tire leakage or damage may cause the following conditions:

- It may be difficult to control the vehicle.
- The vehicle will make abnormal sounds.
- The vehicle runs abnormally.

In case of tire leakage or damage during driving, hold the steering wheel, slowly depress the brake pedal to reduce the speed, and replace the flat tire with a new one in time.



CAUTION

■ In case of water-logged road

Do not drive on a road with deep water; otherwise, the vehicle may suffer from the following serious damage.

- The engine stalls.
- The electrical components are short-circuited.
- The engine is damaged due to water ingress.

If water enters the vehicle after driving on a water-logged road, contact an authorized FAW Hongqi dealer as soon as possible to check the following items.

- Check whether the brake functions normally.
- Check whether the oil and transmission fluid are normal.
- Check whether the hub bearing, drive shaft and suspension are normal.

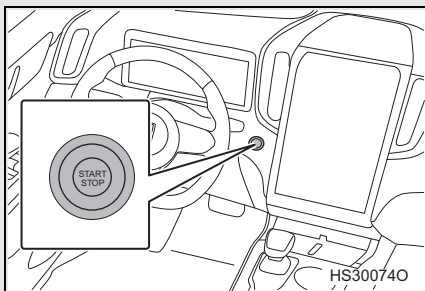
6-2. Driving specifications

Engine (start) switch

You can switch the mode of engine (start) switch or start the engine when carrying the smart key.

■ Switching the mode of engine (start) switch

When the brake pedal is released, you can switch between OFF mode and IG-ON mode by pressing the engine (start) switch. (The mode is switched each time the button is pressed.)



OFF mode*¹

The light horns, position lamps and hazard warning lamp can be used.

IG-ON mode

All electrical components can be used.

*¹: Before shutting down the engine, set the shift lever to P position.

■ Starting the engine

Step 1 Check that the shift lever is set to P or N position and the EPB has been applied.

Step 2 Sit in the driver seat and firmly depress the brake pedal.

Step 3 Press the engine (start) switch to start the engine.

■ Stopping the engine

Step 1 Stop the vehicle completely.

Step 2 Set the shift lever to P position and confirm that the parking brake has been applied.

Step 3 Press the engine (start) switch to stop the engine.

■ In case of failure to start the engine

The engine IMMO system may have not been deactivated. (See P.66)



WARNING

■ During engine start

Be sure to start the engine while sitting in the driver seat. Do not depress the accelerator pedal when starting the engine under any circumstances.

Otherwise, accidents may occur, resulting in serious personal injury or even death.

■ Precautions when driving

During driving, if the engine is to be forcibly shut down in an emergency, press and hold the engine switch for more than 3 seconds, or press it 3 consecutive times within 2 seconds.

Do not touch the engine switch during driving, except in an emergency. If the engine is shut down during driving, it may cause accidents.



CAUTION

■ Preventing low battery

- Do not set the engine switch to "IG-ON" mode for a long time when the engine is shut down; otherwise, the 12 V battery may be low.
- When leaving the vehicle, the driver should lock the vehicle and carry the key. Do not leave the key in the compartment to prevent the PEPS from continuous operation, leading to low battery.

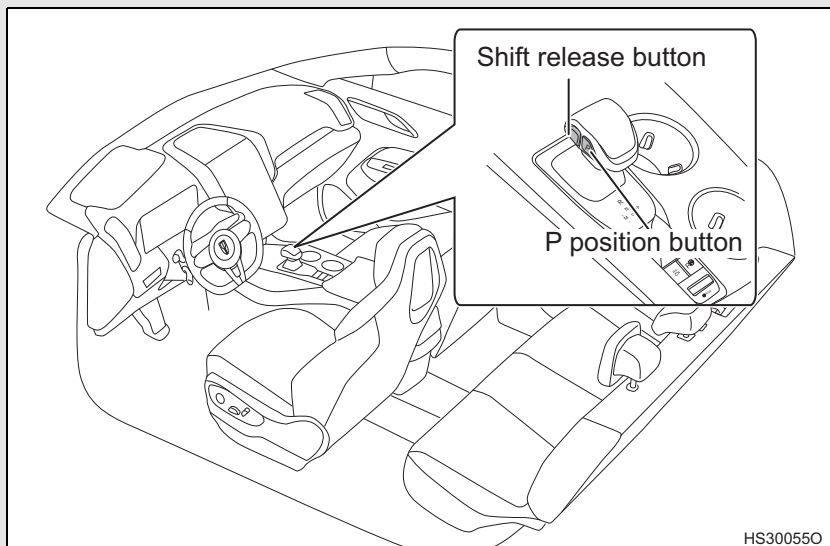
■ During engine start

- Do not run the engine at a high speed when it is cold.
- If the engine is difficult to start or stalls frequently, immediately contact an authorized FAW Hongqi dealer to check the vehicle.

6-2. Driving specifications

Gearshift control

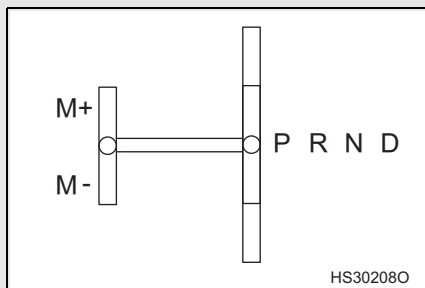
Choose a gear suitable for driving conditions.



Gently operate the shift lever and make sure that the gearshifting is correct.

After each gearshifting, release the shift lever to reset it.

■ Moving the shift lever



Automatic mode: The right track indicates automatic mode, with two travels in forward and backward directions respectively.

Manual mode: The left track indicates manual mode, with a travel in forward and backward directions respectively.

Switching between left and right tracks can be achieved by moving the shift lever left and right, and the manual mode can be entered only when the shift lever is in D position.

Note: If the gears cannot be changed when the shift lever is out of D position in the manual mode, the shift lever should be set to the automatic mode according to the prompt of the instrument cluster.

■ Gear shifting

After the engine is started, shift gears as follows.

- Switch from P to D: Depress the brake pedal, press the unlock button, and operate the shift lever downward to the first or second travel.
- Switch from P to N: Depress the brake pedal, press the unlock button, and operate the shift lever upward to the first travel.
- Switch from P to R: Depress the brake pedal instead of accelerator pedal, press the unlock button, and operate the shift lever upward to the second travel.
- Switch from N to D: When the vehicle is stationary, operate the shift lever downward to the first or second travel*.
- Switch from N to R: When the vehicle is stationary and the accelerator pedal is not depressed, press the unlock button, and operate the shift lever upward to the first or second travel*.

*: If N gear engagement time is more than 1 second, it is required to depress the brake pedal for gear shifting; if N gear engagement time is less than 1 second, there is no need to depress the brake pedal for gear shifting.

- Switch from D to N: When the vehicle is stationary, operate the shift lever upward to the first travel. When the vehicle is not stationary, press the unlock button, and operate the shift lever upward to the first travel.
- Switch from D to R: Depress the brake pedal instead of accelerator pedal until the vehicle is stationary, press the unlock button, and operate the shift lever upward to the second travel.
- Switch from D to M: Operate the shift lever leftwards to the left track.
- Switch from M to D: Operate the shift lever rightwards to the right track.

- Switch from R to N: Operate the shift lever downward to the first travel.
- Switch from R to D: Depress the brake pedal until the vehicle is stationary, and operate the shift lever downward to the second travel.
- Switch from N/D/R to P: Depress the brake pedal until the vehicle is stationary, and press the P position button.

When selecting the gear, ensure that the desired gear is displayed on the instrument cluster.

■ Gear/function

Gear	Function
P	Parking
R	Reverse
N	Neutral
D	Drive
M+	Manual upshifting
M-	Manual downshifting

Gear description

► P (Parking) position

P position is used to lock the transmission and prevent the wheels from rotating.



WARNING

■ First operation of shift lever

This vehicle adopts electronic shift mechanism, which needs to be operated according to the gear information on the cluster instrument and information display screen and the above gear operation description, and cannot be operated by intuition and consciousness to avoid danger.

■ Be sure to set the shift lever to P position and apply the parking brake

It is very dangerous to set the shift lever to P position without applying the parking brake. If P position cannot hold the vehicle still, it will move, thus causing an accident.

► R (Reverse) position

When the shift lever is in R position, the vehicle can only move backwards.

► N (Neutral) position

When the shift lever is in N position, the transmission is not locked. During parking on a gentle slope, you should depress the brake pedal or apply the parking brake; otherwise, the vehicle may slide freely.

► D (Drive) position

D position is commonly used during driving, which controls the vehicle to move forward.

► M (Manual) position

Vehicles with 8-speed automatic transmission.

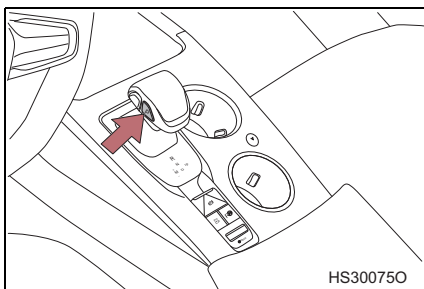
M position indicates manual shift mode. You can shift to M position only from D position. When the shift lever is in D position, you can move the shift lever leftwards to M position. Upshifting or downshifting between M1 and M8 can be carried out by moving the shift lever.

Vehicles with 7-speed wet dual clutch transmission

M position indicates manual shift mode. You can shift to M position only from D position. When the shift lever is in D position, you can move the shift lever leftwards to M position. Upshifting or downshifting between M1 and M7 can be carried out by moving the shift lever.

P position button

■ When shifting to P position



You can shift to P position by using the P position button.

When the vehicle is stationary, press the P position button.

When P gear is engaged, the gear information on the instrument cluster is displayed as P.

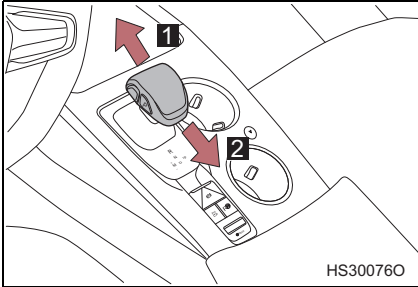
If the vehicle speed is higher than 2 km/h, it will be impossible to shift to P position.

■ When shifting to another position from P position

- Press the unlock button while depressing the brake pedal firmly, and operate the shift lever. If the shift lever is operated without depressing the brake pedal, the gear shifting is prohibited.
- When changing gears, ensure that the gear information on the instrument cluster is displayed as the required gear.
- For vehicles equipped with 8-speed automatic transmission, it is not possible to shift out of P position when the engine stalls, and it is necessary to start the engine first before the operation of shifting out of P position can be performed; When the idle stop-start engine is shut down, if it is in the P position and the instrument cluster prompts to start the engine through the start switch, please shift out of P position after starting the engine.

Gear shifting in manual mode

- Carry out upshifting and downshifting by shift lever



1 Upshift

2 Downshift

The selected gear will be displayed on the instrument cluster multifunction display.

- **If the current gear is D/R and the vehicle speed is lower than 2 km/h, the vehicle will automatically switch to P position under the following conditions**

- After engine switch is set to "IG-OFF" mode, the vehicle will automatically switch to P position.
- When the driver unfastens the seat belt, releases the brake pedal and accelerator pedal and opens the door, the vehicle will automatically switch to P position.

- **The vehicle is kept in N position for towing under the following conditions**

If the current gear is N, after the engine switch is set to "IG-OFF" mode, the vehicle will be kept in N position and powered off.

- **Gear limit (in manual mode)**

To protect the engine and transmission, gears are limited according to the engine speed during manual gear shifting. Therefore, under certain working conditions, upshifting or downshifting may not be achieved even if the shift lever is operated, or automatic upshifting or downshifting may be achieved without operating the shift lever.

■ Hot mode

After the transmission enters the hot mode, the oil temperature rise will be slowed down by reducing the number of times of gear shifting. At this time, the engine speed will increase and the shift smoothness may change slightly.

■ When the vehicle is stopped with the shift lever set to M position

Once the vehicle is stopped, the transmission will automatically downshift to M1.



WARNING

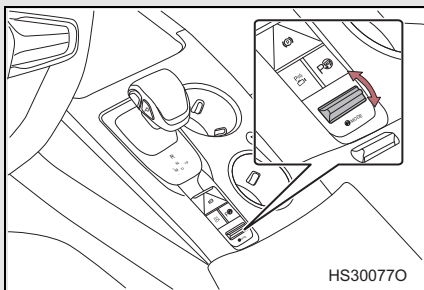
■ During driving on a slippery road

Be careful during sudden acceleration and deceleration; otherwise, it may cause vehicle sideslip or wheel slipping.

Driving mode*

This vehicle is equipped with a driving mode switching system which can provide different driving modes. In different modes, the vehicle has unique driving performance to meet the driving needs of driver. The number of driving modes and systems involved in controlling driving modes may vary between different models, subject to model configuration.

■ Driving mode selection



Method 1: Driving mode selector knob

Toggling the driving mode selector knob can switch between five driving modes: Economic, comfort, sport, sport+ and custom.

Method 2: Multimedia display*

Five driving modes (economic, comfort, sport, sport+ and custom) can be selected through the vehicle settings interface of the in-vehicle infotainment system.

When switching the driving modes, the currently selected driving mode is displayed synchronously on the instrument cluster.

Economic mode

In economic mode, the vehicle has good economy and is suitable for driving on common urban pavement.

■ Driving characteristics in economic mode

- Power output is gentle.
- The transmission adopts a fuel-saving shifting strategy.
- The drive type for 4WD models is intelligent 2WD mode.

Comfort mode

In comfort mode, the vehicle has good comfort performance and is applicable to common urban pavement.

■ Driving characteristics in comfort mode

- Power system output is balanced.
- The steering feel is light.
- The drive type for 4WD models is AWD mode and the torque distribution is more balanced.

Sport mode

In sport mode, the vehicle has good power performance and is applicable to highways or common urban pavement.

■ Driving characteristics in sport mode

- Acceleration is rapid and power output is strong.
- Movement sense is strong during turning.
- The drive type for 4WD models is AWD mode and the rear axle gets a higher torque distribution.

Sport+ mode*

In sport+ mode, the vehicle has extremely strong power performance and is suitable for special working conditions such as race tracks.

■ Driving characteristics in sport+ mode

- Acceleration is extremely rapid, with powerful power output.
- Movement sense is strong during turning.
- The drive type for 4WD models is AWD mode and the rear axle gets a higher torque distribution.

Custom mode*

To satisfy the individual driving needs, in addition to the above driving modes, the driver can also choose a custom mode. In custom mode, the user can freely set the power system output, steering and other characteristics. Driving characteristics in custom mode can be set through the driving settings interface of the in-vehicle infotainment system. (See P.156)

■ Setting conditions of driving mode switching

- The engine switch is set to "IG-ON" mode.
- This system and related systems have no fault.

■ Driving mode memory

Memorization of the last driving mode can be selected through the driving settings interface of the in-vehicle infotainment system. (See P.156)

■ Working state of driving mode system

When selecting the driving mode, the driver can know the current working condition of the driving mode system through the information displayed on the instrument cluster.



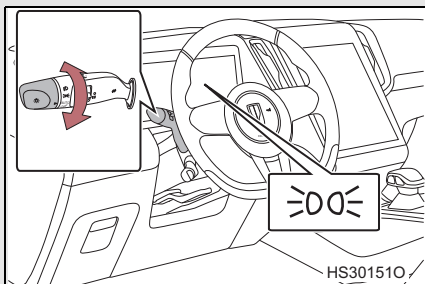
CAUTION

■ Precautions during switch of driving modes

- To ensure driving safety, switch the driving modes during parking or driving at a low speed on good roads.
- The driving mode switching system has self-protection function. If operating conditions for the corresponding driving mode are not met, activating the driving mode may damage the vehicle and affect the driving safety. When the driver switches the driving mode, failure to switch to the target mode may be caused by the self-protection function of the system, which is normal.
- After replacing the spare tire, the 4WD function will be limited and change to the intelligent 2WD mode after the vehicle speed reaches 40 km/h or more.
- If the driving mode system still cannot work normally when operating conditions for the driving mode are met, immediately contact an authorized FAW Hongqi dealer to check the vehicle.
- Since the driving mode system cannot replace the driver's judgment on driving environment, the driver must always keep control of the vehicle and take full responsibility for the vehicle.

6-3. Operating lamps and wipers

Headlamp switch



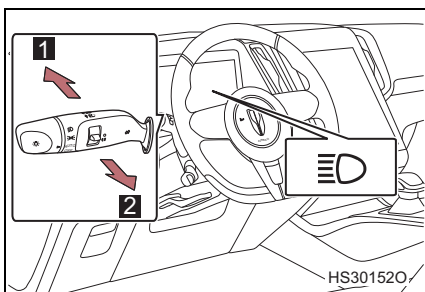
 The headlamp (low beam), position lamp, license plate lamp and instrument panel backlight come on.

 The daytime running lamp, rear position lamp, license plate lamp and instrument panel backlight come on.

AUTO The headlamp (low beam), position lamp, license plate lamp and instrument panel backlight come on and go out automatically.

OFF The daytime running lamp comes on.

Turning on high beam



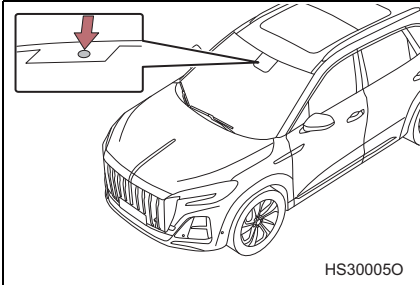
1 When the headlamp (low beam) is turned on, push the lighting control lever forward to turn on the high beam; pull the lever back to its original position to turn off the high beam.

2 Pull the lighting control lever backward to turn on the high beam; release the lighting control lever to turn off the high beam.

■ Daytime running lamp system

During daytime driving, to make your vehicle more visible to other drivers, if the engine switch is set to "IG-ON" mode and the headlamps are off, the daytime running lamps will be turned on automatically.

■ Rain/light sensor



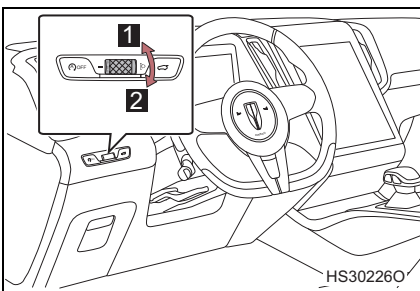
If an object is placed on the sensor or adherent matter on the windshield obscures the sensor, the sensor may work abnormally. The above situations will affect the sensor's detection on ambient light intensity, which may prevent the automatic headlamp and automatic wiper from working properly.

■ Automatic headlamp leveling system *

The automatic headlamp leveling system can automatically adjust the headlamp beam height according to the number of occupants, the vehicle load and the road environment, so as to ensure that the headlamps can provide a good lighting angle for the driver.

■ Headlamp beam height control *

After the headlamps are turned on, the headlamp beam height (0 - 3 levels) can be adjusted according to the number of occupants and the vehicle load.



- 1 Adjust the height of headlamp beam upward.
- 2 Adjust the height of headlamp beam downward.

Getting-off lighting system

When the engine switch is set to "IG-ON" mode and the low beams are on, if a door is opened after the engine switch is set to "IG-OFF" mode, the low beams will stay on for a period of time and then go out automatically. The ON/OFF and lighting time of getting-off lighting can be set through the vehicle settings interface of the in-vehicle infotainment system. (See P.159)

Boarding lighting system

Unlock the vehicle when the lamplight switch is in the automatic headlamp position. If the automatic headlamp on condition is met at this time, the lamp will be on for a period of time and then go out automatically. The turn-on/off and running time of boarding lighting can be set through the vehicle settings interface of the in-vehicle infotainment system. (See P.159)

Corner lamp

When the vehicle runs at a low speed with the headlamps turned on, if the driver operates the turn signal lamp switch or steering wheel for turning, the corner lamp on the corresponding side will automatically come on to assist the driver in driving. When the R gear is engaged, if the driver operates the turn signal lamp switch or steering wheel for turning, the corner lamps on both sides of the vehicle will come on at the same time to improve the lighting effect of surrounding area during reversing.

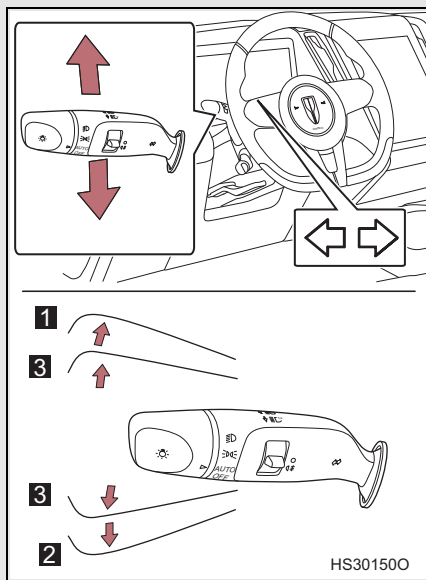
■ Lamp fogging

In the event of rain or vehicle wash, the interior of headlights, taillights and turn signal lamps may temporarily mist with water. This is caused by cold condensation of water vapor on the inner surface of the lens when the temperature inside the lamp is significantly higher than the ambient temperature or when the ambient humidity is high (similar to fogging of window glass), and it will frost when the temperature is too low. This is a normal physical phenomenon that does not affect the function or life of the lamps.

When fog appears on the lamps, park the vehicle in a dry, ventilated place with suitable temperature, and the fog or frost will gradually reduce until it disappears; When the vehicle is driving or there is sunlight, the fog will dissipate faster. However, if you see a large amount of water or a large number of water droplets inside the lamp, please contact an authorized FAW Hongqi dealer for inspection of the vehicle.

6-3. Operating lamps and wipers

Turn signal lamp control lever



1 Right turn

2 Left turn

3 Comfort flashing

When the control lever is set to non-self-locking position once, the left/right turn signal lamp will flash three times; when the control lever is set to non-self-locking position continuously, the left/right turn signal lamp will flash continuously until the control lever is released.

■ Operating conditions of turn signal lamps

The engine switch is set to "IG-ON" mode.

■ Control of turn signal lamp and hazard warning lamp

When the turn signal lamp is on, if the hazard warning lamp switch is pressed, the left and right turn signal lamps will flash at the same time; if the hazard warning lamp switch is pressed again, the turn signal lamp will return to the working state.

When the hazard warning lamp is on and the engine switch is set to "IG-ON" mode, if the turn signal lamp is turned on, the turn signal lamp will work, and the hazard warning lamp will stop working; if the turn signal lamp is turned off, the hazard warning lamp will return to the working state.

Intelligent high beam control (IHC)

The IHC can automatically turn on and off the high beams according to the judgment of the multifunction camera. When the vehicle speed is higher than 50 km/h, the IHC is activated, and the IHC indicator lamp  on the instrument cluster comes on; when the vehicle speed is lower than 30 km/h, the IHC is in standby state and the IHC indicator lamp  goes out.

Enabling/disabling IHC

The IHC can be enabled and disabled through the vehicle settings interface of the in-vehicle infotainment system. (See P.159)

Operating conditions of IHC

The IHC will be enabled if the engine is started, the headlamp switch is set to AUTO position, the high beam switch lever is set to "High beam off" position, and the automatic headlamp on/off control is in the low beam on state.

Conditions for automatically turning on or off high beams

- The high beams will be automatically turned on when all the following conditions are met:
 - The vehicle speed is higher than about 50 km/h.
 - The area in front of the vehicle is dark.
 - There is no vehicle with all headlamps or tail lamps turned on in front.
 - A few street lights are turned on in front of the road.
- The high beams will be automatically turned off when any of the following conditions is met:
 - The vehicle speed is less than about 30 km/h.
 - The area in front of the vehicle is not dark.
 - All headlamps or tail lamps of a vehicle ahead are turned on.
 - Multiple street lights are turned on in front of the road.

- Under the following circumstances, the system may not accurately detect the ambient brightness level, which may prevent the IHC from working properly. In this case, switch the high beam and the low beam manually.
 - The front windshield is blurred by moisture, ice, dirt, etc.
 - The front windshield is broken or damaged.
 - The front view is unclear due to fog, heavy rain, snow and other reasons.
 - The camera is deformed or dirty.
 - The camera temperature is extremely high.
 - The ambient brightness is equivalent to the brightness of headlamps, tail lamps or fog lamps.
 - The headlamps or tail lamps of vehicle ahead are turned off, dirty, discolored or incorrectly aimed, or one of them is turned on.
 - The vehicle runs through an area with intermittent changes in brightness.
 - The vehicle runs on uphill and downhill roads, bumpy roads or uneven roads (e.g. stone-paved roads, and gravel roads) frequently or repeatedly.
 - The vehicle makes turns or runs on winding roads frequently or repeatedly.
 - There are highly reflective objects in front of the vehicle, such as signs or mirrors.
 - The back of vehicle ahead is highly reflective, such as a container on the truck.
 - The headlamps of the vehicle are damaged, dirty or incorrectly aimed.
 - The headlamps of opposite vehicle are turned off and its fog lamps are turned on.
 - The vehicle is inclined due to flat tire, towing a trailer, etc.
 - The high beam and low beam are switched repeatedly in an abnormal way.
 - There is a lamp similar to the headlamps or tail lamps in front of the vehicle.
 - Wet roads, snow roads, ice roads, etc. are reflective.

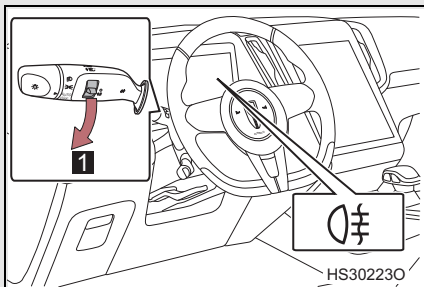


WARNING

- **Do not rely on the automatic high beam too much. Be sure to drive safely, observe the surrounding environment, and turn on or off the high beam manually if necessary.**

Fog lamp switch

The fog lamps improve visibility under unfavorable driving conditions, such as rainy days or fogging.



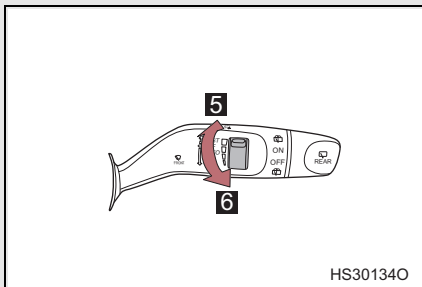
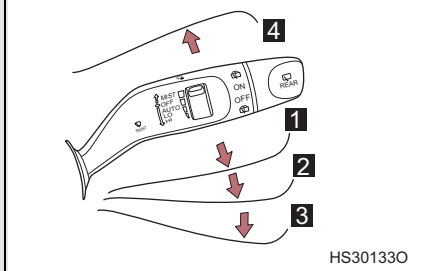
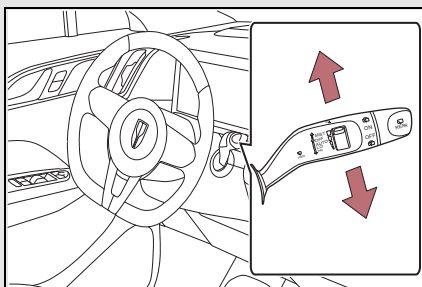
1 The rear fog lamp comes on

■ Operating conditions of fog lamps

The engine switch is set to "IG-ON" mode and the headlamps are turned on.

Front windshield wiper & washer

When the wiper control lever is in AUTO position, the wiper will automatically work if the rain/light sensor detects rain. The system automatically adjusts the wiper speed according to the rainfall and vehicle speed.



1 AUTO position - The wiper speed is automatically adjusted according to the rainfall.

2 LO position - The wiper works at a low speed.

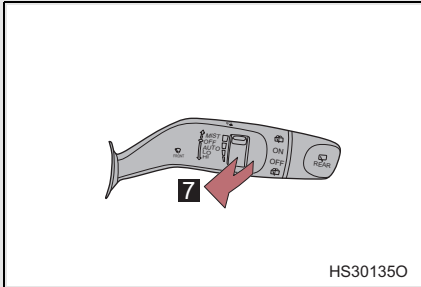
3 HI position - The wiper works at a high speed.

4 MIST position - The wiper works at a low speed for 1 cycle.

When the engine hood is open, the wiper will not work even if the control lever is pulled.

5 The sensitivity on rainfall increases.

6 The sensitivity on rainfall decreases.

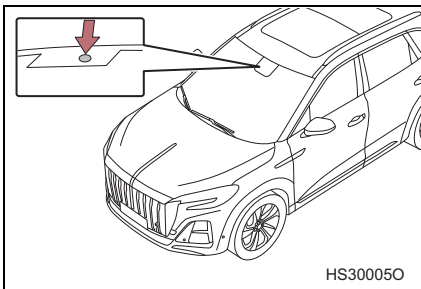


- 7** Cleaning/wiping operation.
Pull back the wiper control lever to clean the front windshield.

■ Operating conditions of front windshield wiper & washer

The engine switch is set to "IG-ON" mode and the engine hood is closed.

■ Rain/light sensor



The rain/light sensor determines the amount of rain.

■ If the windshield washer fluid cannot be sprayed out

Check whether there is washer fluid in the windshield washer fluid reservoir.
Check that the washer nozzle is not blocked.

■ If the front windshield wiper blade needs to be replaced

- Set the wiper to the service position through the vehicle settings interface of the in-vehicle infotainment system. (See P.159)
- Turn off the engine switch and switch the wiper control lever to MIST position within 10 seconds to set the wiper to the service position.
- When the wiper is in the service position, set the engine switch to "IG-ON" mode, and move the wiper control lever to any position or disable the wiper service position through the vehicle settings interface of the in-vehicle infotainment system, to exit the service position.



WARNING

■ **Warnings for using front windshield wiper in AUTO mode**

In AUTO mode, the front windshield wiper may work unexpectedly if the sensor is touched, the interior rearview mirror is pulled with force or the front windshield is strongly vibrated (for example, the front windshield is knocked with force). Be careful that your fingers or anything else are not pinched by the front windshield wiper.

■ **Precautions for use of washer fluid**

In cold weather, do not use the washer fluid before the front windshield is warmed. The washer fluid may freeze on the front windshield, resulting in reduced visibility. This may cause an accident that could result in serious injury or even death.

■ **Only the windshield washer fluid can be placed in the washer fluid reservoir**

It is dangerous to use engine coolant as washer fluid. If it is sprayed onto the windshield, it will stain

the windshield, which could obstruct your view and may cause an accident.

■ **In freezing weather, always use windshield washer fluid mixed with antifreeze**

It is very dangerous to use windshield washer fluid without antifreeze in freezing weather, because it may freeze on the windshield, obstructing your view and thus causing an accident. In addition, before spraying washer fluid, make sure to fully heat the windshield with the defroster.

■ **The wiper blade should be replaced in time**

The use of worn or dirty wiper blade will greatly reduce the clarity of the front view and affect the driving safety. Therefore, it is necessary to replace the damaged or worn and inoperative wiper blade in time.

**CAUTION****■ When the front windshield is dry**

Do not use the wiper; otherwise, the wiper blade may be damaged.

■ When the washer fluid cannot be sprayed out of the nozzle

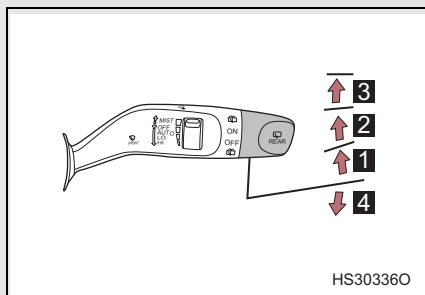
If the wiper control lever is pulled backward and held for a long time, it may cause damage to the washer fluid pump.

■ When the nozzle is blocked

Do not use needles or other objects to remove foreign matters without permission; otherwise, the nozzle will be damaged.

Rear windshield wiper & washer

The wiper and washer can be operated by rotating the rear windshield wiper control lever to different positions.



- 1 Turn off.
- 2 Turn on the rear wiper.
- 3 Cleaning operation.
After releasing the control lever, the wiper position is automatically restored.
- 4 Cleaning/wiping operation.
After releasing the control handle, the off position is automatically restored.

■ Operating conditions of rear windshield wiper & washer

The engine switch is set to "IG-ON" mode.

■ Automatic wiping in R gear

When the front windshield wiper is working, the rear windshield wiper is automatically turned on after setting the shift lever to P position.

■ If the windshield washer fluid cannot be sprayed out

Check whether there is washer fluid in the windshield washer fluid reservoir.
Check that the washer nozzle is not blocked.



WARNING

- It is forbidden to use windshield washer fluid with ethanol content exceeding 10%

In a high temperature environment, the windshield washer fluid with ethanol content exceeding 10% will corrode the tail lamps and cause cracks.

**CAUTION****■ When the rear windshield is dry**

Do not use the wiper; otherwise, the wiper blade may be damaged.

■ When the washer fluid cannot be sprayed out of the nozzle

If the wiper control lever is rotated to washing position and held for a long time, it may cause damage to the washer fluid pump.

■ When the nozzle is blocked

Do not use needles or other objects to remove foreign matters without permission; otherwise, the nozzle will be damaged.

6-4. Using driver assistance system

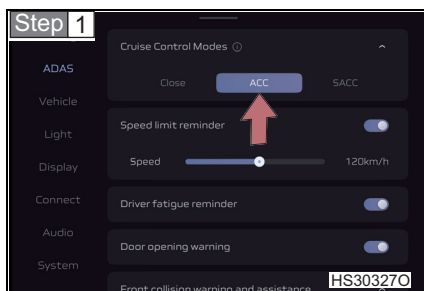
Adaptive cruise control (ACC)

ACC can comprehensively control the vehicle speed and the distance to the target vehicle within the speed range of 0~140 km/h, thus reducing the burden on the driver and enhancing driving comfort. In addition, the system can automatically switch between cruise control and following cruise control based on the presence of a moving vehicle ahead. Because the actual driving environment is complex, in some cases, the driver can also intervene with the vehicle at any time as needed, and actively control the distance between the vehicle and the target vehicle. If necessary, ACC will prompt the driver by audible and visual alarms.

If ACC detects that the distance to the vehicle ahead is less than the set following distance, this vehicle automatically decelerates; if the vehicle ahead accelerates or leaves the lane, the vehicle can accelerate to the set cruising speed.

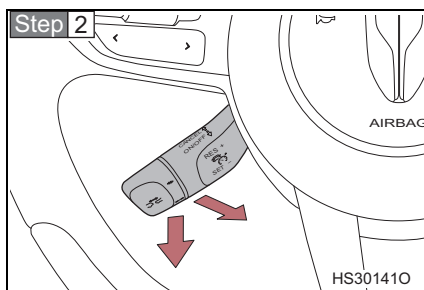
ACC setting

■ Turn on the cruise



The cruise function can be turned on through the vehicle settings interface of the in-vehicle infotainment system and set to ACC.

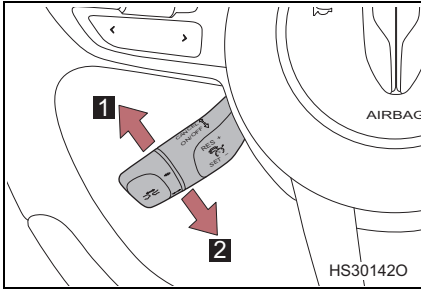
The cruise mode can only be set when the system is inactivated.



When ACC white indicator lamp on the instrument cluster comes on, accelerate or decelerate to the desired vehicle speed, move the cruise control lever down to the "SET" position or pull the cruise control lever backwards to the "ON/OFF" position, then release the lever. The ACC

green indicator lamp comes on, and the current vehicle speed can be set as the cruising speed.

■ Adjusting vehicle speed



1 Increasing vehicle speed

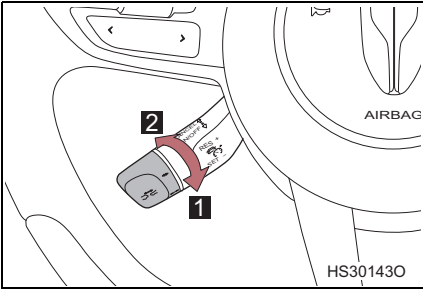
Move: Each time it is moved, the vehicle speed increases by 5 km/h;
Move and hold: After the system confirms that the moving and holding is valid, the vehicle speed will increase by 1 km/h continuously.

2 Reducing vehicle speed

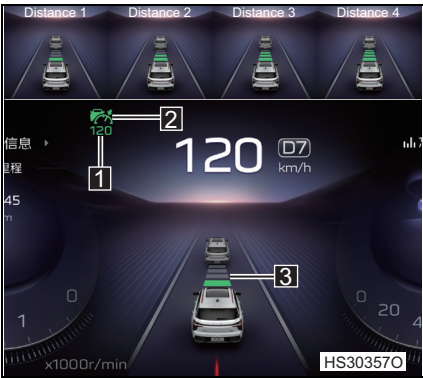
Move: Each time it is moved, the vehicle speed decreases by 5 km/h;
Move and hold: After the system confirms that the moving and holding is valid, the vehicle speed will decrease by 1 km/h continuously.

Note: If the currently set vehicle speed is not a multiple of 5 when the lever is moved, it will automatically change to a multiple of 5 at first during adjustment.

■ Setting following distance

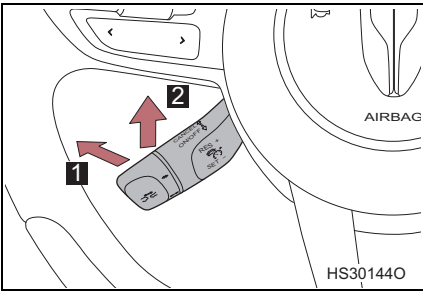


- 1 Increasing following distance
 - 2 Decreasing following distance
- The system provides four distance modes. Each time the control lever is moved, one mode is switched.



- 1 Set cruising speed
 - 2 ACC indicator lamp
- White: The system is enabled, the set conditions are met, and cruise control setting can be carried out.
- Green: The system is working, and the cruise control mode is entered.
- 3 Set following distance
- The default following distance is "Distance 4".

Canceling and resetting ACC



- 1 Cancel
- Depress the brake pedal or push the cruise control lever forward to the "CANCEL" position and then release it to cancel the cruise control.
- 2 Reset
- To reset the cruise control and return to the set speed, move the control lever upward to the "RES" position and then release it.

■ Noise during automatic deceleration by ACC

During automatic deceleration by ACC, noise may occur, which is normal.

■ Following distance

The following distance is "Distance 4" by default.

■ Setting conditions of cruise control

- The ESC is enabled.
- All doors and the engine hood are closed.
- The driver has fastened the seat belt.
- The D gear is engaged.
- The driver does not depress the brake pedal.
- The ADAS cameras are not blocked and function properly.
- ACC/ESC/AEB/TCS/ABS/EMS has no fault.
- AEB/APA is not activated.
- The driving mode is set to "ECO" mode, "Comfort" mode or "Sport" mode.

■ Conditions of canceling cruise control

- Move the cruise control lever to the "CANCEL" position.
- Depress the brake pedal or apply the EPB.
- Open any door or the engine hood.
- The driver unfastens the seat belt.
- Depress the accelerator pedal for more than 1 minute.
- Set the shift lever to a position other than D.
- ABS/TCS/ESC is activated.
- AEB/APA is activated.
- The driving mode switches to a mode other than "ECO" mode, "Comfort" mode or "Sport" mode.
- The relevant function of the system fails.

■ ACC fault

In the event of an alarm due to ACC fault, please contact an authorized FAW Hongqi dealer for vehicle inspection.

■ After turning off the engine switch

After turning off the engine switch, the set cruising speed or following distance will be deleted.

■ Adjusting or calibrating ACC

Adjust or calibrate the ACC under the following conditions, otherwise the ACC may not work properly:

- The front windshield is damaged or replaced.
- The ADAS camera unit or forward millimeter wave radar mounting bracket is removed and then refitted.
- The four wheels are aligned.
- The front bumper is hit or deformed.

Contact an authorized FAW Hongqi dealer.



WARNING

- **To ensure driving safety, it is recommended that the set cruising speed should not exceed 130 km/h. It is very dangerous to use the cruise control during high-speed driving, so the driver is recommended to drive actively.**
- **Prevent accidental activation of ACC**
When this function is not used, deactivate the cruise control.
- **Situations where ACC should not be used**
To avoid the possibility of losing control of the vehicle and causing serious injury or death, do not use the ACC under any of the following conditions:
 - Traffic jams.
 - Complicated road conditions.
 - Sharp turns.
 - Winding roads.
 - Slippery roads (such as roads covered with rain, ice or snow).
 - Steep slopes.
 - There is a stationary obstacle in front of the vehicle.
 - Weather such as snow, rain, ice and dense fog.
 - Poor road lighting at night.
- **The driver is the most important controller of the vehicle, whose control on the vehicle takes precedence over the ACC. Even if the vehicle is in ACC mode, when the driver depresses the accelerator pedal or brake pedal, the vehicle will be under the control of the driver. The driver must always keep control of the vehicle and take full responsibility for the vehicle.**
- **ACC is only a driver assistance system. If necessary, the driver should immediately deactivate the ACC and drive by himself/herself. When using ACC, please comply with relevant local laws and regulations, and adapt to the traffic, road and weather conditions at that time.**

**WARNING**

- The front windshield shall not be modified or covered by any auxiliary equipment. Otherwise, the ACC may not work properly.
- When leaving the driver seat for a long time, be sure to disable the ACC to avoid accidents caused by misoperation.
- When this vehicle follows the target vehicle for driving, the ACC mainly controls the following distance, and the actual speed of this vehicle may be lower than the set cruising speed.
- If the distance from the vehicle ahead is too close (for example, due to the sudden emergency braking of the vehicle ahead) in ACC mode, the system will prompt the driver by audible and visual alarms through the instrument cluster, and the driver should pay attention to the distance and take control of the vehicle at this time.
- When the driver depresses the accelerator pedal for active acceleration, the cruising speed icon displayed on the instrument cluster multifunction display will flash, which is normal.
- When this vehicle enters or exits a curve or changes the lane, or when the vehicle ahead is stationary, the ACC may lose the target vehicle or misidentify the target vehicle.
- The ACC cannot detect other sides than tail of the vehicle, children, pedestrians, animals or other objects or apply the brake for them. At this time, the driver must drive carefully.
- The ACC has limited braking capacity. It may have no time to slow down to avoid a collision with the vehicle ahead when the vehicle ahead suddenly decelerates, stops or enters your lane. If a danger is felt, please actively depress the brake pedal for braking.
- During driving, the driver must remain fully attentive and always be prepared to take action and apply brake.
- The driver should adjust the following distance and reasonably set the ACC according to the traffic ahead and the current weather conditions (such as rain and snow). The driver needs to ensure that the vehicle can be decelerated to a stop within their field of view at all times.
- The ACC can only identify motor vehicles (such as vehicles and trucks) with legal license plates and capable of driving on highways. If vehicles head have characteristics of irregular shape, modification, painted surface, etc., the recognition effect cannot be guaranteed. The recognition of pedestrians and narrow vehicles (such as bicycles and motorcycles) cannot be guaranteed too. At this time, the driver should take over the vehicle at any time according to the actual situation.



WARNING

- The ACC may not accurately recognize large trailers. At this time, the driver should take over the vehicle at any time according to the actual situation.
- The ACC cannot accurately determine the passing width of front lane. Therefore, if the driver feels that the front lane is too narrow for normal passage, they immediately deactivate the ACC through braking intervention and control the vehicle.
- Do not use the ACC on steep slopes. The ACC may not detect vehicles in the same lane, so the driver usually needs to control the acceleration and braking of the vehicle. If the brake is applied, the ACC will be deactivated.
- When a vehicle traveling in the same direction in the same lane is detected, a symbol of vehicle ahead will be displayed on the instrument cluster. If this symbol indication is inconsistent with the actual situation observed by the driver, the driver is responsible for taking over the vehicle and driving according to the actual situation.
- If a foot is placed on the accelerator pedal, the ACC may not automatically apply the brake, resulting in a collision with the vehicle ahead, so the driver should keep focused.
- The front bumper must not be painted, modified or covered by any auxiliary equipment. Otherwise, the performance of forward millimeter wave radar sensors may degrade or fail!
- Severe extreme weather conditions such as heavy snow, rain, ice and fog may lead to the performance degradation or failure of forward millimeter wave radar sensors. In such weather, the driver must disable the ACC.
- If the forward millimeter wave radar sensors are shifted due to collision, the ACC may degrade or fail. The driver shall calibrate the forward millimeter wave radar sensors in time.
- Do not use forward millimeter wave radar sensors that are incorrectly calibrated.
- When vehicles in the adjacent lane move in front of the direction of travel of this vehicle, if they do not enter the monitoring area, they could not be detected, thus resulting in a response lag of ACC. The driver should pay close attention to movements of vehicles in the adjacent lane and take the initiative to intervene when necessary.

**WARNING**

- If the vehicle ahead brakes suddenly (for emergency stop), the ACC may be unable to respond or respond too slowly to the vehicle ahead, thus resulting in a risk of delayed braking. In this case, the driver may not receive a takeover request. The driver should keep focused, and take the initiative to intervene when necessary.
- When this vehicle follows the target vehicle and stops in ACC mode, it may start suddenly due to the blocked target vehicle, pedestrians passing by, etc. The driver should keep focused, and take the initiative to intervene when necessary.

**CAUTION**

- The ACC will control this vehicle at the set following distance from the target vehicle. If the target vehicle decelerates or stops, the ACC will control this vehicle to decelerate or stop automatically.
- When the target vehicle restarts or leaves the lane after stopping for no more than 3 seconds, this vehicle will start automatically under the control of ACC.
- When the target vehicle restarts or leaves the lane after stopping for more than 3 seconds but no more than 10 minutes, a message of resuming cruise control will be shown on the instrument cluster multi-function display of this vehicle, and the driver can resume the ACC by gently depressing the accelerator pedal or moving the cruise control lever to the "RES+" position, thus realizing automatic starting. At this time, the driver should pay attention to the front traffic conditions, so as to determine whether the vehicle can be safely started.
- When this vehicle stops for more than 10 minutes, the ACC will be automatically deactivated.
- The ACC cannot keep the vehicle braked for a long time. Do not leave the vehicle when the ACC keeps the vehicle stopped. Before leaving the vehicle, be sure to engage the P gear.



CAUTION

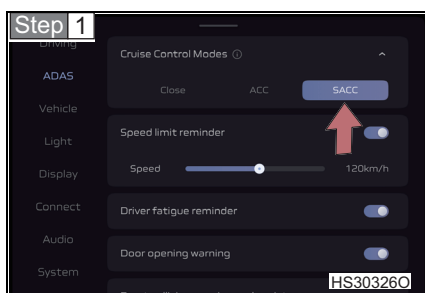
- **During driving through a curve with ACC, pay attention to the followings:**
 - In sharp curves, the ACC may be deactivated or limit the speed.
 - On curves, the ACC may respond to vehicles in another lane, have no time to respond to vehicles in the same lane, make the vehicle collide with the front, or lose control of the vehicle; especially during driving on ramps, the ACC may lose its target due to large curve, thus causing acceleration. On curves, the driver must take extra care and always be ready for braking when necessary. During driving on curves, choose a proper speed.
- **When this vehicle passes through an intersection with traffic lights while following the vehicle ahead, the driver should pay attention to the change of traffic lights and actively intervene with the vehicle when necessary to avoid violating traffic rules.**
- **When this vehicle is in dense fog, rain, snow and other weather, or when there are frost and dirt marks in the inspection window area of ADAS cameras, or when this vehicle is driving towards the sun (or strong light source), a message reading "Since the IFC is blocked, please clean the windshield" may be displayed on the instrument cluster due to "limited field of view" of camera, and the ACC cannot work at this time.**

Super adaptive cruise control (SACC)

Based on the ACC, SACC not only perform cruise and following functions, but also identify the lane markings through the ADAS camera. It can control the vehicle to drive along the center line of the lane, enhancing both driving comfort and safety.

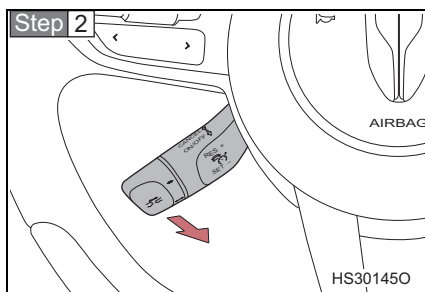
If SACC detects that the distance to the vehicle ahead is less than the set following distance, this vehicle automatically decelerates; if the vehicle ahead accelerates or leaves the lane, the vehicle can accelerate to the set cruising speed.

SACC setting



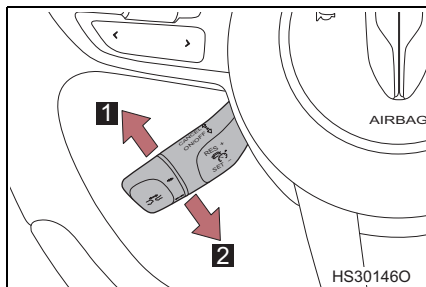
The cruise function can be turned on through the vehicle settings interface of the in-vehicle infotainment system and set to ACC and LKA (SACC).

The cruise mode can only be set when the system is inactivated.



When SACC white indicator lamp on the instrument cluster comes on, accelerate or decelerate to the desired vehicle speed, continuously pull the cruise control lever backwards twice to the "ON/OFF" position, and then release the lever, SACC green indicator lamp comes on, and the current vehicle speed can be set as the cruising speed.

■ Adjusting vehicle speed



1 Increasing vehicle speed

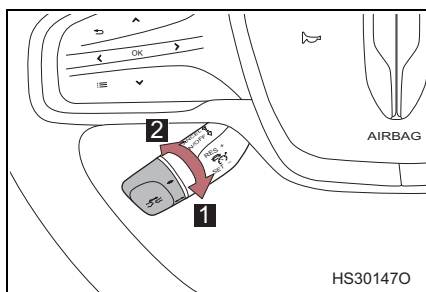
Move: Each time it is moved, the vehicle speed increases by 5 km/h;
Move and hold: After the system confirms that the moving and holding is valid, the vehicle speed will increase by 1 km/h continuously.

2 Reducing vehicle speed

Move: Each time it is moved, the vehicle speed decreases by 5 km/h;
Move and hold: After the system confirms that the moving and holding is valid, the vehicle speed will decrease by 1 km/h continuously.

Note: If the currently set vehicle speed is not a multiple of 5 when the lever is moved, it will automatically change to a multiple of 5 at first during adjustment.

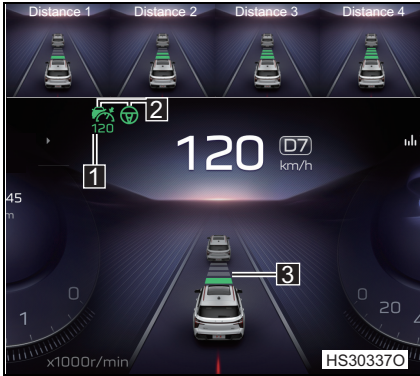
■ Setting following distance



1 Increasing following distance

2 Decreasing following distance

The system provides four distance modes. Each time the control lever is moved, one mode is switched.



- 1 Set cruising speed
- 2 SACC indicator lamp

(Off) (Off): System is in standby and does not meet the setting conditions.

(Off) (white): System turns on and ACC setting can be performed.

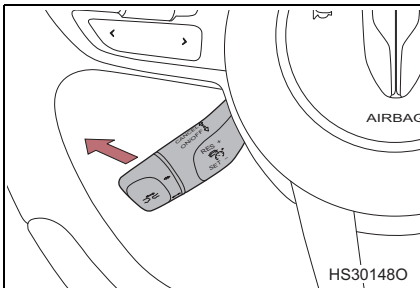
(White) (white): System turns on and SACC setting can be performed.

(Off) (green): System operates and enters ACC mode.

(Green) (green): System operates and enters SACC mode.

- 3 Set following distance
The default following distance is "Distance 4".

Canceling SACC



Depress the brake pedal or push the cruise control lever forward to the "CANCEL" position and then release it to cancel the cruise control.

■ Switching between SACC and ACC

When ACC is working and SACC setting conditions are met, continuously pull the cruise control lever backwards twice to the "ON/OFF" position to switch to SACC mode.

When SACC is working, if driver operates the steering wheel or turn signal lamp switch, it will automatically switch to ACC mode.

When SACC is working, if camera fails to recognize the lane markings ahead, it will automatically switch to ACC mode.

When SACC is working, if a sharp curve suddenly appears, it will automatically switch to ACC mode.

When SACC is working, if camera detects that the lane markings are too wide or too narrow, it will automatically switch to ACC mode.

■ Noise during automatic deceleration by SACC

When SACC performs automatic deceleration, noise may be produced, which is normal.

■ Following distance

The following distance is "Distance 4" by default.

■ Setting conditions of SACC

- The cruise mode is set to SACC in the in-vehicle infotainment system.
- All doors and the engine hood are closed.
- The driver has fastened the seat belt.
- The D gear is engaged.
- The brake pedal is not depressed.
- The ADAS cameras are not blocked and function properly.
- The lane markings are clear and meet the requirements of national standards.
- SACC/ESC/AEB/TCS/ABS/EPS/EMS has no fault.
- HDC/AEB/APA is not activated.
- The driving mode is set to "ECO" mode, "Comfort" mode or "Sport" mode.

■ Conditions of suspending SACC

- When overtaking, depress the accelerator pedal deeply and briefly for no more than 1 minute and resume SACC after releasing the accelerator pedal.

■ Conditions of canceling SACC

- Operate the cruise control lever to the "CANCEL" position.
- Depress the brake pedal or apply the EPB.
- Open any door or the engine hood.
- The driver unfastens the seat belt.
- The system judges that both hands are off the steering wheel for a certain period of time.
- Depress the accelerator pedal for more than 1 minute.
- Set the shift lever to a position other than D.
- ABS/TCS/ESC is activated.
- AEB/HDC/APA is activated.
- The driving mode switches to a mode other than "ECO" mode, "Comfort" mode or "Sport" mode.
- The relevant function of the system fails.

■ SACC fault

In the event of an alarm due to SACC fault, please contact an authorized FAW Hongqi dealer for vehicle inspection.

■ After turning off the engine switch

After turning off the engine switch, the set cruising speed or following distance will be deleted.

■ Adjusting or calibrating SACC

Adjust or calibrate the SACC under the following conditions, otherwise the SACC may not work properly:

- The front windshield is damaged or replaced.
- The ADAS camera unit or forward millimeter wave radar mounting bracket is removed and then refitted.
- The four wheels are aligned.
- The front bumper is hit or deformed.

Contact an authorized FAW Hongqi dealer.

**WARNING**

■ **Prevent accidental activation of SACC**

When this function is not used, deactivate the cruise control.

■ **Situations where SACC should not be used**

To avoid the possibility of losing control of the vehicle and causing serious injury or death, do not use the SACC under any of the following conditions:

- Traffic jams.
- Complicated road conditions.
- Sharp turns.
- Winding roads.
- Slippery roads (such as roads covered with rain, ice or snow).
- Steep slopes.
- There is a stationary obstacle in front of the vehicle.
- Weather such as snow, rain, ice and dense fog.
- Poor road lighting at night.
- The lane markings are not clear.

■ **The driver is the most important controller of the vehicle, whose control on the vehicle takes precedence over the SACC. Even if the vehicle is in SACC mode, when the driver depresses the accelerator pedal, brake pedal or operates the steering wheel, the vehicle will be under the control of the driver. The driver must always keep control of the vehicle and take full responsibility for the vehicle.**

■ **When driving on a repaired asphalt road or a road with strong light reflection, the vehicle may deviate from the driving lane. The driver should keep focused, and take the initiative to intervene when necessary.**

■ **When SACC is working, the driver should hold the steering wheel firmly with both hands to ensure driving safety.**

■ **SACC is only a driver assistance system. If necessary, the driver should immediately deactivate the SACC and drive by himself/herself. When using SACC, please comply with relevant local laws and regulations, and adapt to the traffic, road and weather conditions at that time.**

■ **The front windshield shall not be modified or covered by any auxiliary equipment. Otherwise, the SACC may not work properly.**

■ **When leaving the driver seat for a long time, be sure to disable the SACC to avoid accidents caused by misoperation.**

**WARNING**

- When this vehicle follows the target vehicle for driving, the SACC mainly controls the following distance, and the actual speed of this vehicle may be lower than the set cruising speed.
- If the distance from the vehicle ahead is too close (for example, due to the sudden emergency braking of the vehicle ahead) in SACC mode, the system will prompt the driver by audible and visual alarms through the instrument cluster, and the driver should pay attention to the distance and take control of the vehicle at this time.
- When the driver takes over steering wheel for a short time or the lane markings disappear for a short time, the steering assist working indicator lamp on the instrument cluster multi-function display will flash, which is normal.
- When the driver depresses the accelerator pedal for active acceleration, the cruising speed icon displayed on the instrument cluster multifunction display will flash, which is normal.
- When this vehicle enters or exits a curve or changes the lane, or when the vehicle ahead is stationary, the SACC may lose the target vehicle or misidentify the target vehicle.
- The SACC cannot detect other sides than tail of the vehicle, children, pedestrians, animals or other objects or apply the brake for them. At this time, the driver must drive carefully.
- The SACC has limited braking capacity. It may have no time to slow down to avoid a collision with the vehicle ahead when the vehicle ahead suddenly decelerates, stops or enters your lane. If a danger is felt, please actively depress the brake pedal for braking.
- During driving, the driver must remain fully attentive and always be prepared to take action and apply brake.
- The driver should adjust the following distance and reasonably set the SACC according to the traffic ahead and the current weather conditions (such as rain and snow). The driver needs to ensure that the vehicle can be decelerated to a stop within their field of view at all times.
- The SACC can only recognize motor vehicles (such as vehicles and trucks) with legal license plates and be capable of driving on highways. If vehicles head have characteristics of irregular shape, modification, painted surface, etc., the recognition effect cannot be guaranteed. The recognition of pedestrians and narrow vehicles (such as bicycles and motorcycles) cannot be guaranteed too. At this time, the driver should take over the vehicle at any time according to the actual situation.



WARNING

- The SACC may not accurately recognize large trailers. At this time, the driver should take over the vehicle at any time according to the actual situation.
- The SACC cannot accurately determine the passing width of front lane. Therefore, if the driver feels that the front lane is too narrow for normal passage, they immediately deactivate the SACC through braking intervention and control the vehicle.
- Do not use the SACC on steep slopes. The SACC may not detect vehicles in the same lane, so the driver usually needs to control the acceleration and braking of the vehicle. If the brake is applied, the SACC will be deactivated.
- When a vehicle traveling in the same direction in the same lane is detected, a symbol of vehicle ahead will be displayed on the instrument cluster. If this symbol indication is inconsistent with the actual situation observed by the driver, the driver is responsible for taking over the vehicle and driving according to the actual situation.
- If a foot is placed on the accelerator pedal, the SACC may not automatically apply the brake, resulting in a collision with the vehicle ahead, so the driver should keep focused.
- The front bumper must not be painted, modified or covered by any auxiliary equipment. Otherwise, the performance of forward millimeter wave radar sensors may degrade or fail!
- Severe extreme weather conditions such as heavy snow, rain, ice and fog may lead to the performance degradation or failure of forward millimeter wave radar sensors. In such weather, the driver must disable the SACC.
- If the forward millimeter wave radar sensors are shifted due to collision, the SACC may degrade or fail. The driver shall calibrate the forward millimeter wave radar sensors in time.
- Do not use forward millimeter wave radar sensors that are incorrectly calibrated.

**WARNING**

- When vehicles in the adjacent lane move in front of the direction of travel of this vehicle, if they do not enter the monitoring area, they could not be detected, thus resulting in a response lag of SACC. The driver should pay close attention to movements of vehicles in the adjacent lane and take the initiative to intervene when necessary.
- If the vehicle ahead brakes suddenly (for emergency stop), the SACC may be unable to respond or respond too slowly to the vehicle ahead, thus resulting in a risk of delayed braking. In this case, the driver may not receive a takeover request. The driver should keep focused, and take the initiative to intervene when necessary.
- When this vehicle follows the target vehicle and stops in SACC mode, it may start suddenly due to the blocked target vehicle, pedestrians passing by, etc. The driver should keep focused, and take the initiative to intervene when necessary.



CAUTION

- **The SACC will control this vehicle at the set following distance from the target vehicle. If the target vehicle decelerates or stops, the SACC will control this vehicle to decelerate or stop automatically.**
- **When the target vehicle restarts or leaves the lane after stopping for no more than 3 seconds, this vehicle will start automatically under the control of SACC.**
- **When the target vehicle restarts or leaves the lane after stopping for more than 3 seconds but no more than 10 minutes, a message of resuming cruise control will be shown on the instrument cluster multi-function display of this vehicle, and the driver can resume the SACC by gently depressing the accelerator pedal or moving the cruise control lever to the "RES+" position, thus realizing automatic starting. At this time, the driver should pay attention to the front traffic conditions, so as to determine whether the vehicle can be safely started.**
- **When this vehicle stops for more than 10 minutes, the SACC will be automatically deactivated.**
- **The SACC cannot keep the vehicle braked for a long time. Do not leave the vehicle when the SACC keeps the vehicle stopped. Before leaving the vehicle, be sure to engage the P gear.**
- **During driving through a curve with SACC, pay attention to the followings:**
 - In sharp curves, the SACC may be deactivated or limit the speed.
 - On curves, the SACC may respond to vehicles in another lane, have no time to respond to vehicles in the same lane, make the vehicle collide with the front, or lose control of the vehicle; especially during driving on ramps, the SACC may lose its target due to large curve, thus causing acceleration. On curves, the driver must take extra care and always be ready for braking when necessary. During driving on curves, choose a proper speed.
 - In a curve, too small road radius may affect the judgment of SACC on the lane markings. Drive with caution on curves.
- **When this vehicle passes through an intersection with traffic lights while following the vehicle ahead, the driver should pay attention to the change of traffic lights and actively intervene with the vehicle when necessary to avoid violating traffic rules.**

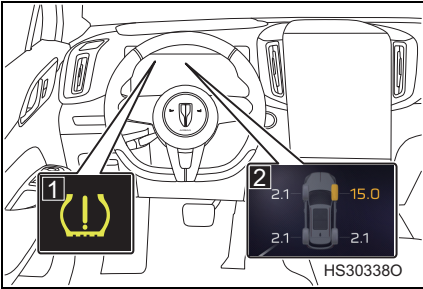
**CAUTION**

- When this vehicle is in dense fog, rain, snow and other weather, or when there are frost and dirt marks in the inspection window area of ADAS cameras, or when this vehicle is driving towards the sun (or strong light source), a message reading "Since the IFC is blocked, please clean the windshield" may be displayed on the instrument cluster due to "limited field of view" of camera, and the SACC cannot work at this time.

6-4. Using driver assistance system

Tire pressure monitoring system (TPMS)

The TPMS can monitor and check the tire pressure, and automatically issue an alarm when the tire pressure is lower than the limit.



- 1 Tire pressure abnormal/ system fault warning lamp
- 2 Tire pressure information

Operating condition of system

Vehicle status	Alarm
Tire pressure is abnormal	The system fault warning lamp makes an alarm
The TPMS is not working	The system fault warning lamp comes on, and accompanied by a text indication that the TPMS is invalid

Tire pressure sensor matching

After wheel replacement or tire rotation, it is necessary to configure the TPMS. Please contact an authorized FAW Hongqi dealer.

**WARNING****■ Precautions for TPMS**

- This system cannot prevent tire deflation and bursting. It is mainly used to give an alarm when it monitors that the tire pressure is lower than a set value.
- In winter, the tire pressure should be adjusted in time. Because the atmospheric temperature drops in winter, the tire pressure may decrease or fall below the alarm value. When the tire pressure decreases below the alarm value, an alarm will be issued.

■ Situation in which TPMS cannot work properly

This system can make judgments based on subtle changes in tires. However, it sometimes cannot work properly under the following conditions.

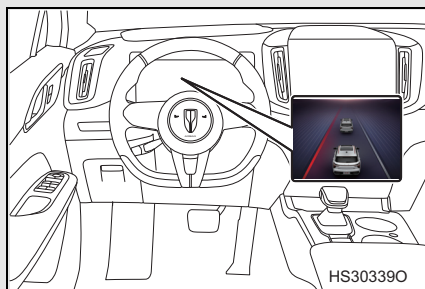
- Four tires are not of the same size, manufacturer, brand and pattern, or they have significantly different wear degrees (the same for winter tires).
- Emergency tires, snow tires and tire chains are used.
- Tires with pressure significantly higher than the specified value are installed, or tire pressure drops rapidly due to tire burst (rupture).

6-4. Using driver assistance system

Lane departure warning/lane keeping assist (LDW/LKA)

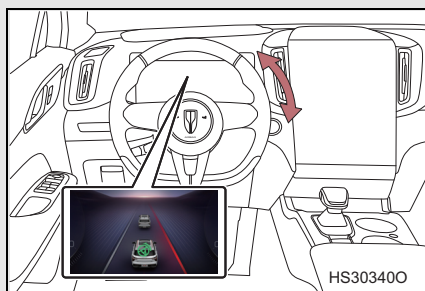
The LDW/LKA can detect the driver's status and the vehicle's driving status when the vehicle speed is higher than 60 km/h. If it identifies non-subjective driver behavior (such as chatting, distraction, operating multimedia display, etc.) causing the vehicle to deviate from the lane, it will give a warning, alarm and correction prompt to prevent danger and traffic violation.

■ Lane departure warning (LDW)



When the system judges that the vehicle departs from the lane, the line on the corresponding side turns red and flashes, and a warning sound is issued at the same time.

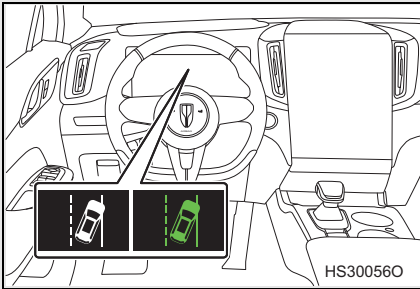
■ Lane keeping assist (LKA)



When the system judges that the vehicle departs from the lane, the line on the corresponding side turns red and flashes, and at the same time, a warning sound is issued and the steering wheel also corrects automatically.

■ LDW/LKA settings

The LDW/LKA can be turned on/off through the driving settings interface of the in-vehicle infotainment system. After the system is turned on, the alarm mode can be selected as alarm only or alarm + correction and the LDW sensitivity can be set at the same time. (See P.157)



When the system is turned on, the LKA indicator lamp (white) on the instrument cluster comes on. When the system is turned off, the indicator lamp goes out.

When the system is turned on, the vehicle speed is higher than 60 km/h, and the system recognizes a valid lane marking, the LKA indicator lamp (green) on the instrument cluster comes on.

■ Operating conditions of LDW/LKA:

- The vehicle speed is higher than 60 km/h.
- The lane markings are clear and meet the requirements of national standards.
- The system cameras are not blocked.

■ The system will suppress the alarm even if the vehicle departs from the lane under the following conditions:

- The driver turns the steering wheel to pass a bend.
- The vehicle keeps driving on the lane marking.
- Within 3 seconds after the previous alarm is issued.
- The turn signal lamp switch is turned on or returned within 3 seconds.

■ The system will not make corrections automatically even if the vehicle departs from the lane under the following conditions:

- The driver operates the turn signal lamps and steering wheel.
- The lane marking on one side or both sides disappears.

■ **The LDW/LKA may not work properly under the following conditions:**

- Cameras are blocked by snow, ice, dust or stains on the front windshield.
- The weather causes low visibility, such as heavy fog, heavy rain, heavy snow, etc.
- The road is covered by vehicles or other obstacles.
- The road has a narrow width or the bend curvature is too large.
- The line of sight of the system cameras is blocked.
- When driving towards strong light.
- In complex lane marking conditions, such as diverging/merging, construction area, etc.
- Misrecognition may be caused when there are bridge cables or tree shadows on the road surface.
- When the light is dim or the lane markings are blurred at night.
- The vehicle speed is less than 60 km/h.
- The lane markings do not meet the requirements of national standards.
- The brightness of the external environment of the vehicle suddenly changes, for example, entering a tunnel.

■ **When the ADAS camera unit or front windshield are replaced or when the four-wheel alignment is performed, the system needs to be recalibrated, otherwise it will not work normally. Contact an authorized FAW Hongqi dealer.**

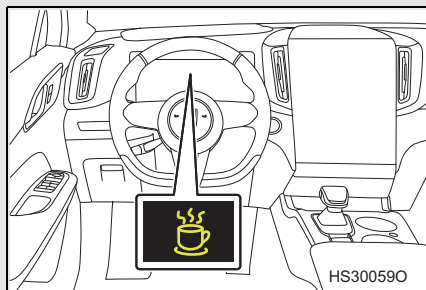
**WARNING**

- The LDW/LKA is only a driver assistance system. Do not rely on it too much. The driver must drive carefully.
- The driver is the most important controller of the vehicle, whose control on the vehicle takes precedence over the LDW/LKA. The driver must always have control on the vehicle and take full responsibility for the vehicle.
- Stop using the system when road and environmental factors may cause the system not to work properly.
- To prevent disturbance to the driver, the system will not give an alarm when the activation conditions of the LDW/LKA are not met.
- Incorrect calibration of the LDW/LKA may result in misrecognition of other lanes, and even cause accidents.
- The LDW/LKA can recognize lane markings and curbs with certain contrast. However, it may not recognize lane markings and curbs accurately or even fail to do so if they are blurred or stained, and may make false recognition of some wheel traces, watermarks or shadows exhibiting significant color differences and contrast on the road.

6-4. Using driver assistance system

Driver status monitor (DSM)

The DSM presumes the driver's status (e.g., fatigue) by analyzing the vehicle movement in the lane, and gives an early warning according to the driver's status, reminding the driver that he/she is not in a status suitable for driving now and needs to rest.



When the system determines that the driver may be in a relatively light abnormal driving status at present, the instrument cluster will give sound and text reminders at the same time.

When the system determines that the driver may be in a serious abnormal driving status at present, the yellow indicator lamp on the instrument cluster flashes, and sound and text reminders will be given at the same time.

■ Turning on/off DSM

The DSM can be turned on and off through the driving settings interface of the in-vehicle infotainment system. (See P.157)

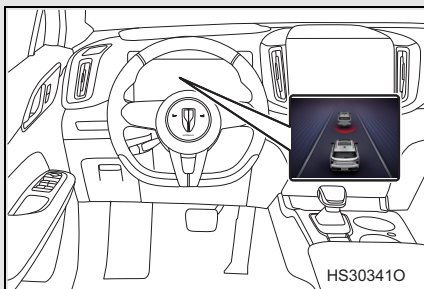
-
- When the ADAS camera unit or front windshield are replaced or when the four-wheel alignment is performed, the system needs to be recalibrated, otherwise it will not work normally. Contact an authorized FAW Hongqi dealer.

**WARNING**

- The DSM is only a driver assistance system. It can only give warnings for the abnormal driving status of the driver, but cannot directly intervene in vehicle control. The driver must consider the early warnings and control the steering wheel by himself/herself to ensure the normal driving of the vehicle.
- Due to road and environmental factors, the DSM may not normally judge the driver's abnormal driving status. The driver must abide by traffic regulations, stop and rest in time according to own conditions to ensure driving safety.
- If the DSM is not calibrated correctly, it may cause misjudgment and even cause accidents.

Forward collision warning (FCW)

The FCW system can automatically judge the collision risk level based on the relative distance, relative speed and relative acceleration between the vehicle and the target vehicle within the speed range of 8~120 km/h. If the conditions are met, the system will give an alarm.

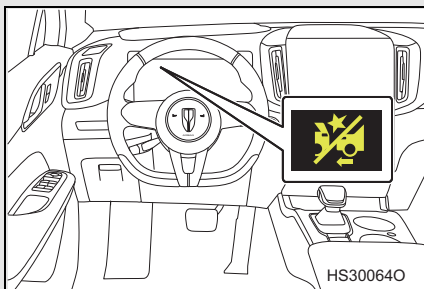


When the system judges that collision may occur, the instrument cluster displays alarm information and issues an audible alarm.

For the target vehicle, when the collision risk level goes up, the system will provide a braking reminder similar to the snub braking effect.

■ Turning on/off FCW

The FCW can be turned on and off through the driving settings interface of the in-vehicle infotainment system. It is turned on by default. (See P.157)



When the system is turned off, the instrument cluster will display the FCW OFF indicator lamp.

■ Adjusting or calibrating FCW

Adjust or calibrate the FCW under the following conditions, otherwise the FCW may not work properly:

- The front windshield is damaged or replaced.
- The ADAS camera unit or radar mounting bracket is removed and then refitted.
- The four wheels are aligned.
- The front bumper is hit or deformed.

Contact an authorized FAW Hongqi dealer.



WARNING

- To ensure driving safety, occupants in the vehicle must fasten their seat belts!
- The FCW is only a driver assistance system. Do not rely on the FCW too much. The driver must drive carefully.
- The FCW only gives an early warning of collision danger. The driver must control the brake pedal or steering wheel to prevent collision.
- The FCW may not recognize modified or decorated vehicles with special appearance.
- As the FCW obtains information by recognizing the rear of other vehicles, it will not give an alarm for oncoming vehicles and front crossing vehicles.
- In complex traffic conditions, the FCW may experience delays in recognizing vehicles, leading to delayed alarms.
- On curved roads, hill roads or extremely bumpy roads, the system may not detect the vehicles ahead. The driver must drive carefully.
- The FCW system is a warning system. It cannot detect other vehicles in all cases. For example, the rear of a vehicle is seriously blocked, the shape of a vehicle is unusual (e.g., an overloaded vehicle carrying trees), the rear of a vehicle is seriously damaged, etc.
- The FCW may not recognize narrow objects such as pedestrian or bicycle.
- When rain, snow, ice, fog or dust blocks the sensors, the performance of system may degrade or fail. The driver must drive carefully.
- The front windshield shall not be modified or covered by any auxiliary equipment. Otherwise, the FCW may degrade or fail.
- If cameras are shifted due to collision, the FCW may degrade or fail. Please calibrate the FCW by driver in time.
- Never use an FCW that is incorrectly calibrated.
- For scenes like strong backlighting, road reflection, insufficient ambient lighting, etc., the FCW may not work normally. The driver must drive carefully.
- If the chassis of the preceding vehicle is high, or the goods protrude from the rear of the preceding vehicle, please pay attention to the danger that may occur.
- The FCW may not recognize targets such as cyclist.

**WARNING**

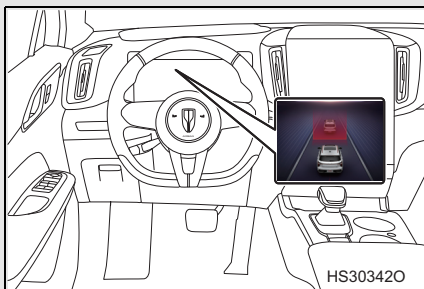
- The front bumper must not be painted, modified or blocked by any auxiliary equipment. Otherwise, the performance of forward millimeter wave radar sensors may degrade or fail!
- Severe extreme weather conditions such as heavy snow, rain, ice and fog may lead to the performance degradation or failure of forward millimeter wave radar sensors. In such weather conditions, the driver must use the FCW carefully.
- If the forward millimeter wave radar sensors are shifted due to collision, the FCW may degrade or fail. The driver shall calibrate the forward millimeter wave radar sensors in time.
- Do not use any forward millimeter wave radar sensors that are incorrectly calibrated.

**CAUTION**

- To prevent disturbance to the driver by false alarms, the alarm may not be given under the following conditions:
 - The front windshield is damaged or replaced.
 - The vehicle speed is less than 8 km/h.
 - The previous alarm is issued not more than 3 seconds.
 - The driver turns the steering wheel too fast or by a large angle.
 - The driver slams on the accelerator pedal, causing a large pedal position.

Autonomous emergency braking (AEB)

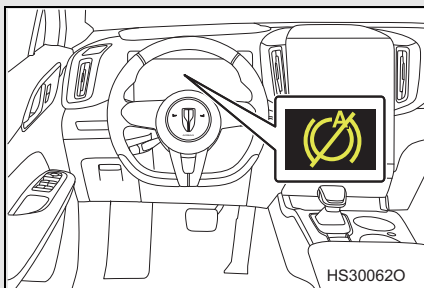
The operating range of the AEB system is approximately 8 km/h~90 km/h, when the vehicle may collide with the preceding vehicle in case of emergency, if the driver fails to perform emergency braking or emergency steering to avoid danger in time, the system will assist the driver in applying brake to avoid or reduce the collision injury.



When the AEB works, the instrument cluster displays alarm information and an audible alarm is issued.

■ Turning on/off AEB

The AEB can be turned on and off through the driving settings interface of the in-vehicle infotainment system. (See P.157)



When the system is turned off, the instrument cluster will display the AEB OFF indicator lamp.

■ Adjusting or calibrating AEB

Adjust or calibrate the AEB under the following conditions, otherwise the AEB may not work properly:

- The front windshield is damaged or replaced.
- The ADAS camera unit or radar mounting bracket is removed and then refitted.
- The four wheels are aligned.
- The front bumper is hit or deformed.

Contact an authorized FAW Hongqi dealer.



WARNING

- To ensure driving safety, occupants in the vehicle must fasten their seat belts.
- The AEB is only a driver assistance system. Do not rely on the AEB too much. The driver must drive carefully.
- The AEB may not be able to recognize modified or decorated vehicles with special appearance.
- On curved roads, hill roads or extremely bumpy roads, the system may not detect the vehicles ahead. The driver must drive carefully.
- The AEB may not recognize targets such as cyclist.
- The braking function of the AEB system will not be activated when the ESC is off or faulty.
- If there is heavy snow or rain, the system may not work properly.
- For scenes like strong backlighting, road reflection, insufficient ambient lighting, etc., the AEB may not work normally. The driver must drive carefully.
- If the vehicle is towing another vehicle or a trailer, turn off the AEB. When brakes are controlled under towing conditions, the safety of the vehicle deteriorates.
- If the chassis of the preceding vehicle is high, or the goods protrude from the rear of the preceding vehicle, please pay attention to the danger that may occur.
- The front windshield shall not be modified or covered by any auxiliary equipment. Otherwise, the performance of AEB may degrade or fail.
- If cameras are shifted due to collision, the AEB may degrade or fail. Please calibrate the AEB by driver in time.
- Never use an AEB that is incorrectly calibrated.
- As the AEB obtains information by recognizing the rear of other vehicles, it will not give an alarm for oncoming vehicles and front crossing vehicles.
- The AEB is an auxiliary system. It cannot detect other vehicles in all cases. For example, the rear of a vehicle is seriously blocked, the shape of a vehicle is unusual (e.g., an overloaded vehicle carrying trees), the rear of a vehicle is seriously damaged, etc.
- When the vehicle is driving in a curve, the AEB may not be able to accurately judge the state of stationary objects in the driving direction, so the system may not carry out autonomous emergency braking assistance.

**WARNING**

- The AEB does not always help the driver in all environments. Therefore, the driver shall not rely on the system completely, and must concentrate on observing road conditions to ensure driving safety.
- The AEB is an active auxiliary safety system. However, it cannot completely guarantee collision avoidance with vehicles in front under any conditions. The driver is responsible for driving and avoiding dangerous conditions. In case of emergency, the driver should brake as soon as possible.
- If the AEB is activated, the driver should promptly take control of the vehicle after it comes to a stop to prevent unintended restarting, which may lead to the vehicle slipping.
- The front bumper must not be painted, modified or blocked by any auxiliary equipment. Otherwise, the performance of forward millimeter wave radar sensors may degrade or fail!
- Severe extreme weather conditions such as heavy snow, rain, ice and fog may lead to the performance degradation or failure of forward millimeter wave radar sensors. In such weather, the driver must use the AEB carefully.
- If the forward millimeter wave radar sensors are shifted due to collision, the AEB may degrade or fail. The driver shall calibrate the forward millimeter wave radar sensors in time.
- Do not use any forward millimeter wave radar sensors that are incorrectly calibrated.



CAUTION

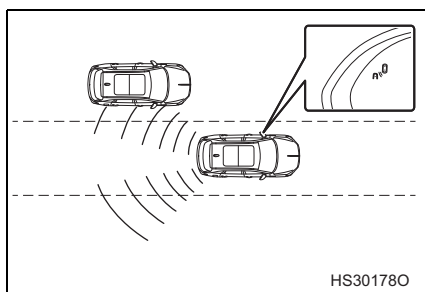
- **To prevent disturbance to the driver by false alarms, the brake will not be triggered under the following conditions:**
 - The vehicle speed is less than 8 km/h.
 - The previous alarm is issued not more than 20 seconds.
- **When the AEB works, it will be deactivated if any of the following conditions are met:**
 - The driver turns the steering wheel too fast or by a large angle.
 - The driver slams on the accelerator pedal, causing a large pedal position.
 - The speed reduction exceeds the threshold of 60 km/h.
- **When any of the following conditions are met, the AEB will not be triggered, allowing the driver to maintain control of the vehicle without unnecessary interference:**
 - ESC/TCS/ABS function is activated.
 - The R gear is engaged.
 - Any door is not closed.
 - The engine hood is not closed.
 - The driver unfastens the seat belt.
 - The automatic parking function is turned on.
 - The previous alarm is issued not more than 20 seconds.
 - The vehicle speed is less than about 8 km/h.
 - The driver turns the steering wheel too fast or by a large angle.
 - The driver slams on the accelerator pedal, causing a large pedal position.

6-4. Using driver assistance system

Blind spot detection (BSD)

The system has the functions of blind spot detection, lane change assistance, rear cross traffic alert and rear collision warning to assist the driver in driving.

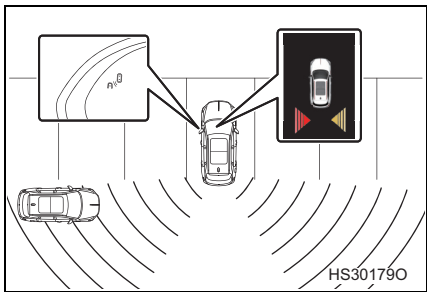
Blind spot detection and lane change assistance



When the vehicle is set to a gear other than R and the vehicle speed is higher than 15 km/h, if a rear side vehicle within the blind spot of 7 m behind the vehicle or within the interval of 7~70 m and there is a collision risk, the warning indicator lamp on the exterior rearview mirror of the corresponding side comes on.

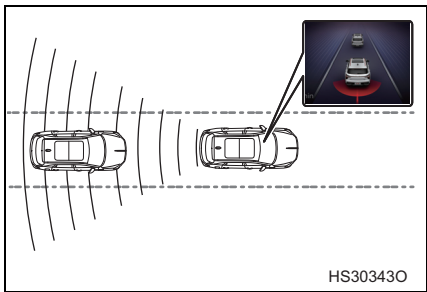
If the turn signal lamp switch on the corresponding side is turned on at this time, the warning indicator lamp flashes and a warning sound is issued at the same time, prompting the driver that there is danger in changing lanes.

Rear cross traffic alert



When the vehicle is set to R gear and the vehicle speed is 0~10 km/h, if there are targets such as transverse running vehicle, electric motorcycle and bicycle etc. within 30 m in transverse direction and 7 m in longitudinal direction behind the vehicle, the indicator lamp on the rearview mirror on the corresponding side comes on, and the multimedia display indicates alarm information, prompting the driver that it may be dangerous to reverse at this time.

Rear collision warning



When the vehicle is set to a gear other than R, the vehicle speed is greater than 0 km/h and the vehicle doors are locked, if a rear vehicle is within 55 m of the vehicle, the sensors will monitor the driving state of the following vehicle behind to judge the danger level of rear-end collision. According to this danger level, the instrument cluster will display alarm information, and at the same time the hazard warning lamp will flash, to alert both the driver and the rear vehicle to the risk of collision.

Turning on/off BSD

Each function of the BSD can be turned on and off through the driving settings interface of the in-vehicle infotainment system. (See P.158)

- **The BSD and lane change assistance systems may not give an alarm or may give a delayed alarm under the following conditions:**
 - The vehicle is driving on a steep slope.
 - The vehicle is navigating the mountain top or a hill road.
 - There is a height difference between the driving lane and the adjacent lane.
 - The turning radius is small.
 - The vehicle is driving on snow-covered roads for a long time.
 - A large amount of snow or ice gathers near radar sensors.
- **The BSD and lane change assistance systems may advance the alarm or expand the alarm range under the following conditions**
 - If two lanes are too narrow, an alarm will occur in the adjacent lane.
 - The vehicle drives on roads with fixed obstacles near the side of the vehicle for a long time (e.g., tunnel wall, cement barrier of viaduct, metal billboard, etc.).
- **The rear cross traffic alert may not give an alarm or may expand the alarm range under the following conditions:**
 - The vehicle is parked at an oblique angle.
 - The reversing speed exceeds 10 km/h.
 - A large amount of snow or ice gathers near radar sensors.
 - The speed and yaw angle of the target vehicle are constantly changing in the detection area.
 - Another vehicle directly approaches this vehicle from the rear.
- **The rear collision warning system may not give an alarm or may expand the alarm range under the following conditions:**
 - A large amount of snow or ice gathers near radar sensors.
 - The speed and yaw angle of the target vehicle are constantly changing in the detection area.



CAUTION

- **Be careful not to impact the rear bumper during parking. Otherwise, the sensors in the bumper may be shifted or damaged, which may cause the system to shut down automatically or affect the system function.**
- **In order to ensure the normal operation of the system, the sensors in the bumper must be kept clean and not be covered by other objects.**
- **Only the paint approved by our company can be applied to the rear bumper. Other types of paint may cause limited functions or failure of the BSD.**
- **If the BSD does not work normally, turn it off immediately, and contact an authorized FAW Hongqi dealer for repair.**
- **After the BSD is repaired, it needs to be calibrated. For details, please contact an authorized FAW Hongqi dealer.**
- **The BSD is only an auxiliary reminder, and cannot completely avoid vehicle collision in blind spots. Before changing lanes, please check the rearview mirrors, give a glance to rear areas and use the turn signal lamps.**
- **Under special working conditions such as wet weather and high vehicle speed, the BSD may give false alarms or miss alarms, which are normal phenomena.**
- **When the rear BSD radar is blocked, the BSD will not work. Therefore, it needs to be cleaned in time.**
- **As the BSD is limited by physical laws and working conditions, it may not correctly recognize traffic conditions under some driving conditions. For example:**
 - In a sharp turn lane.
 - In a lane with varying width.
 - On a bumpy road in the mountain.
 - In bad weather.
 - Near some special buildings on the roadside, such as high or scattered highway guardrail.

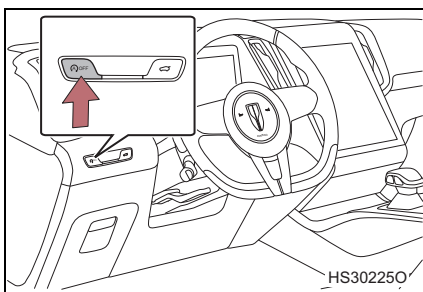
**WARNING**

- **The BSD is only a driver assistance system. Do not rely on it too much. The driver must drive carefully.**
- **The driver is the most important controller of the vehicle. The BSD is only an auxiliary reminder. The driver must always have control on the vehicle and take full responsibility for the vehicle.**
- **Turn off the radar detection system when a trailer or some accessories (e.g., bicycle carrier) are installed at the rear. Otherwise, the radio waves emitted by the radar may be blocked, resulting in abnormal operation of the system.**
- **The BSD can detect targets such as vehicle, electric bicycle and bicycle etc. If target vehicles have characteristics such as irregular shape, modification, painted surface, etc., the recognition effect cannot be guaranteed. The recognition of pedestrians, animals or other objects cannot be guaranteed too. In such cases, the driver must drive carefully.**
- **The BSD utilizes intelligent technologies that adhere to the laws of physics, and it operates within specific system limitations. Therefore, the driver should concentrate on observing road and traffic conditions to prevent accidents.**
 - Be sure to adjust the vehicle speed and maintain the safe distance from the vehicle ahead based on current visibility, weather conditions, road and traffic conditions.
 - Always hold the steering wheel with both hands while driving, and be ready to turn it at any time.
 - Pay attention to the indicator lamps on exterior rearview mirrors and the information displayed on the multifunction display screen of the instrument cluster, and take appropriate actions in response to the indications.
 - The BSD may react to specific roadside structures (e.g., high or skewed guardrail) and thus give false alarms.
 - Always pay attention to the road conditions and surrounding conditions of the vehicle.
 - Do not use the BSD when the sensors are dirty or damaged, as this may impact the functions of the BSD.
 - When the sun shines directly, the field of view of exterior rearview mirrors may be limited.
 - During driving, be sure to strictly follow the instructions provided by warning lamps/indicator lamps and related text information. Otherwise, accidents are prone to occurring and serious personal injuries will be caused.

Idle stop-start system

The idle stop-start system controls the engine to start and stop at idle speed according to driving operations and system requirements during short stop.

Turning on/off idle stop-start system



Press the idle stop-start off button, causing the idle start-stop off indicator lamps on the cluster instrument to come on, and the idle stop-start system is turned off; press the idle stop-start off button again, to turn the system on, and the indicator lamp will go out.

- If the idle stop-start off button is pressed during parking
 - When the engine is shut down through the idle stop-start system, pressing the idle stop-start off button will restart the engine. At the same time, the idle stop-start system is turned off, and the idle stop-start off indicator lamp on the instrument cluster comes on.
 - When the idle stop-start system is off, pressing the idle stop-start off button will resume the idle stop-start system, but in this case the engine will not be shut down.

Working process of idle stop-start system

- Stopping the engine
 - When the vehicle is driving in D gear, if the driver depresses the brake pedal until the vehicle speed reaches zero and continues to hold the brake pedal, the engine will stop automatically. The idle stop-start on indicator lamp on the instrument cluster will come on.
 - When the vehicle is driving in D gear, if the driver depresses the brake pedal until the vehicle speed reaches zero, then moves the shift lever from D to N, and keeps depressing the brake pedal, the engine will stop automatically. The idle stop-start on indicator lamp on the instrument cluster will come on.
 - When the vehicle is driving in D gear, if the driver depresses the brake pedal until the vehicle speed reaches zero, and moves the shift lever

from D to P, the engine will stop automatically. The idle stop-start on indicator lamp on the instrument cluster will come on.

- When the vehicle is driving in D gear, if the driver depresses the brake pedal until the vehicle speed reaches zero and the EPB/AUTO HOLD engages, the engine will stop automatically. The idle stop-start on indicator lamp on the instrument cluster will come on.

■ Starting the engine

- When the vehicle stops in D/N gear, if the driver keeps depressing the brake pedal and then releases the brake pedal, the engine will start automatically.
- When the vehicle stops in P gear, if the driver depresses the brake pedal or accelerator pedal again, the engine will start automatically.
- When the EPB/AUTO HOLD is activated, if the driver depresses the brake pedal or accelerator pedal again, the engine will start automatically.
- When the shift lever is moved to R, the engine will start automatically.
- When the steering wheel is turned, the engine may start automatically.
- When the A/C or the front windshield defrosting/defogging function is activated, the engine will start automatically.

Idle stop-start indicator lamp

- When the idle stop-start on indicator lamp (green) on the instrument cluster comes on, it indicates that the idle stop-start system is turned on and operational.
- When the idle stop-start limited indicator lamp (white) on the instrument cluster comes on, it indicates that the idle stop-start system is turned on but does not meet the operating conditions.
- When the idle stop-start fault indicator lamp (yellow) on the instrument cluster comes on, it indicates that the idle stop-start system is faulty.

Operating conditions of idle stop-start system

■ Operating conditions of idle stop-start system

● Preconditions for automatic engine shutdown

The engine will automatically stop when all the following conditions are met:

- The vehicle has no fault related to the idle stop-start system.
- The idle stop-start system is enabled.
- The driver's door is closed.
- The driver's seat belt is fastened.
- The engine hood is closed.
- The A/C comfort system meets the requirements.
- Auto parking assist does not intervene.
- The battery has good performance and sufficient charge.
- The coolant temperature meets the requirements.
- The current operating conditions of the vehicle meet the set conditions of the idle stop-start system.
- The shift lever is not set to R.
- The steering wheel angle should not be too large.
- The driving mode is set to "Comfort" or "Economic".

● Preconditions for automatic start of engine

The engine starts automatically when all of the following conditions are met:

- The vehicle has no fault related to the idle stop-start system.
 - The driver's door is closed.
 - The engine hood is closed.
 - The driver's seat belt is fastened.
- The engine restarts automatically without driver operation (any of the conditions are met)
- The battery status does not meet the specified conditions.
 - The coolant temperature does not meet the specified conditions.
 - The brake vacuum is insufficient.
 - The A/C does not meet the operating conditions.

**WARNING**

■ **Operation of idle stop-start system**

- Do not leave the vehicle when the idle stop-start system stops the engine. Accidents may occur due to the automatic start function of the engine.
 - When the vehicle is placed in a poorly ventilated place, do not use the idle stop-start system to stop the engine. The automatic start function of the engine may result in a restart, causing exhaust to accumulate and enter the vehicle, which may seriously endanger health and even lead to death.
 - To ensure safety, it is necessary to verify that the doors are closed, the driver's seat belt is fastened, the engine hood is closed, and the steering wheel is properly aligned. Otherwise, the idle stop-start system cannot be activated, and automatic stop or automatic start of the engine cannot be achieved.
 - To prevent frequent start and stop of the engine during severe congestion, after the engine stops, the vehicle speed needs to be greater than 3 km/h to activate the idle stop-start system again; after the shift lever is set to D position for the first time from R position, the vehicle speed needs to be greater than 10 km/h to activate the idle stop-start system.
 - In the idle stop-start state, if the idle stop-start system detects that the relevant conditions are not met, even if the driver does not depress the brake pedal, the engine may start automatically.
 - In the idle stop-start state, if the driver unfastens the seat belt or opens the door, and triggers the automatic start of idle stop-start, the instrument panel will prompt that the engine needs to be started manually. In such a scenario, the driver is required to start the engine manually using the engine switch.
- **To ensure the drivability and comfort of the vehicle and the protection of various systems within the vehicle, there are many preconditions for activating the idle stop-start system. For example, low battery charge, low temperature, improper A/C settings, low engine coolant temperature, high altitude, non-comfort or economic driving mode, steep slope, low braking vacuum, high transmission temperature, related system failure, etc. will disable the idle stop-start system. After braking and stopping the vehicle, if the engine cannot be stopped due to the aforementioned conditions, the idle stop-start limited indicator lamp on the instrument cluster will come on. Therefore, drivers need not concern themselves with whether the engine stops during driving, as the idle stop-start system can make decisions by considering various factors such as drivability, safety and comfort.**



CAUTION

- **After the engine stops automatically, pressing the engine switch will not start the engine at that moment.**
- **When the vehicle is in the idle stop-start state, the idle stop-start system is disabled if the following conditions occur. In such cases, if the driver triggers the automatic start of idle stop-start, the instrument cluster will remind the driver to start the engine manually.**
 - The engine hood is opened or the transmission sends a no-start signal.
 - The seat belt is unfastened or the door is opened.
 - The seat belt is not fastened after being unfastened for a period of time or the door is not closed after being opened for a period of time.
- **The idle stop-start system will be prevented from entering the active state when the A/C is in any of the following states:**
 - The A/C is in defrost/defog state.
 - The cabin temperature does not reach the target temperature range for comfort.
 - The ambient temperature is too high or too low.
- **When the transmission sends the start-stop prohibited signal, the idle stop-start system will be prevented from entering the active state.**
 - The risk of vehicle darting caused by the engaged drive chains can be prevented during engine start after shutdown.
- **The driver is the most important controller of the vehicle. The idle stop-start system is only an driver assistance system. The driver must drive carefully according to the actual road conditions, have control on the vehicle all the time and take full responsibility for the vehicle.**

Driver assistance system

Electronic stability control (ESC)

The related functions integrated in the ESC vary slightly among different vehicle models. To improve the driving safety and performance of the vehicle, the following functions will work automatically based on various driving conditions. However, remember that these functions are only for auxiliary purpose. Do not rely on them too much during driving.

■ Antilock brake system (ABS)

This system can prevent sideslip or pulling to one side of the vehicle due to locked wheels during driving on slippery roads or during emergency braking.

■ Electronic brakeforce distribution (EBD)

This system can dynamically distribute brake force proportionally between the front and rear wheels based on the change in vehicle load, road conditions and brake force, so as to improve the braking stability and maneuverability of the vehicle.

■ Traction control system (TCS)

This system can prevent the driving wheels from slipping and ensure the acceleration performance when the vehicle starts or accelerates on a slippery road.

■ Hydraulic brake assist (HBA)

This system can execute the braking force compensation when the brake pedal is depressed quickly, so as to effectively increase the brake force.

■ Hydraulic brake booster (HBB)

This system can execute the brakeforce compensation when the vacuum degree of braking system is insufficient, so as to effectively increase the brake force.

■ Hill descent control (HDC)*

When the vehicle is descending a hill with a speed ranging from 3 to 35 km/h, the system applies corresponding brake force to the wheels to maintain a stable speed during downhill driving.

The HDC can be turned on and off through the in-vehicle infotainment system. (See P.156)

■ Hill hold control (HHC)

When the vehicle is started on the slope, for a certain duration after the driver transitions from the brake pedal to the accelerator pedal, this function will properly maintain the brake pressure applied by the driver to prevent the vehicle from slipping.

■ Direct torque control (DTC)

This system can balance the direct torque of the engine for braking by slightly increasing the engine torque, so as to avoid excessive wheel slip and maintain the stability and maneuverability of the vehicle, when the vehicle is not accelerating.

■ Electronic stability control (ESC)

This system can help the driver control sideslip during sudden or slippery road turns, so as to ensure the vehicle follows the correct driving track.

■ Controlled deceleration for ACC-Stop & Go (CDD-S)

This system can assist the ACC in achieving deceleration control of the vehicle.

■ Controlled deceleration for parking brake (CDP)

When the EPB switch is pulled up for a long time, the vehicle actively enters the deceleration state.

■ AUTO HOLD

When the vehicle is stationary, the AUTO HOLD applies the parking brake through the system and maintains this state for a short time, and then the EPB performs parking. This function can be turned off/on using a dedicated button.

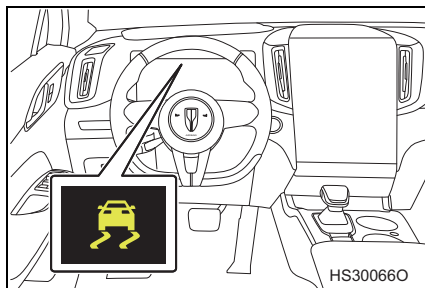
■ Automatic brake prefill (ABP)

According to the request of the relevant control unit, the ESC actively pre-pressurizes the braking system to improve the response speed to braking.

Electric power steering (EPS)

This system can use a motor to reduce the force required for turning the steering wheel.

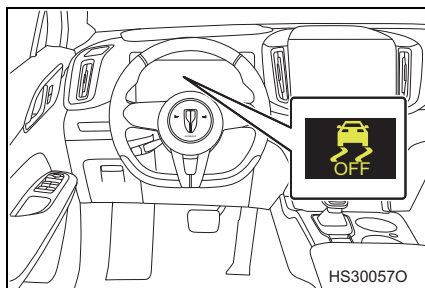
When TCS/ESC works



If the vehicle skids or the driving wheels idle, the indicator lamp will flash to indicate that the TCS/ESC is working.

Disable ESC

If the vehicle becomes stuck in snow or mud, the ESC may reduce the power output from the engine to the wheels. Disabling the system can be beneficial for the vehicle to rock back and forth, aiding in getting out of the trapped situation.



The ESC can be turned on and off in the driving settings interface of the in-vehicle infotainment system. When it is turned off, the ESC off indicator lamp of the instrument cluster comes on. (See P.156)

■ Automatic response of ESC

After turning off ESC and restarting the engine, or if the vehicle speed exceeds 70 km/h, the system will be reactivated automatically.

■ Sound and vibration produced by ABS/HBA/TCS/ESC/CDP/CDD-S/APA/HBB and AUTO HOLD

- Noises may be heard from the engine compartment when the engine starts or just after the engine starts. This sound does not indicate a failure in these systems.
- Some normal conditions may occur during the operation of the above systems. These conditions do not indicate a fault.
 - Vibration may be felt through the vehicle body and steering wheel.

- The motor sound may be heard when the vehicle stops.



WARNING

■ **Handling of wheels and suspension**

Faulty wheels or modified suspension can have an impact on the driver assistance system and may lead to system failure.

■ **ABS cannot work effectively under the following conditions:**

- The limits of ground grip of tires are exceeded.
- The vehicle skids when driving on slippery roads at high speed.

■ **Braking distance of ABS on special road surface**

ABS is not designed to shorten the braking distance of the vehicle. Be sure to keep a safe distance from the vehicles driving ahead under the following conditions:

- The vehicle drives on muddy, gravel or snowy roads.
- The vehicle drives with tire chains.
- The vehicle drives on bumpy roads.
- The vehicle drives on cratered or uneven roads.

■ **TCS may not work effectively under the following conditions:**

When the vehicle drives on slippery roads, even if the TCS works normally, it may not control the driving direction or meet the power requirements. Do not drive the vehicle under the condition that the vehicle may lose stability and power.

■ **When ESC is activated**

If the indicator lamp flashes, be sure to drive carefully. Otherwise, accidents may occur easily.

■ **When ESC is off**

Take special care and drive at a speed suitable for road conditions. In this case, the ESC can ensure the stability and driving force of the vehicle. If not necessary, do not turn off the ESC.

■ **Replacement of wheels**

Ensure that all wheels have the same specifications, brand, tread pattern and load capacity. In addition, ensure that the tire pressure meets the requirements specified on the tire pressure label. If the vehicle is equipped with different wheels, the ABS and EPS may not work properly. For details of tire or wheel replacement, please contact an authorized FAW Hongqi dealer.

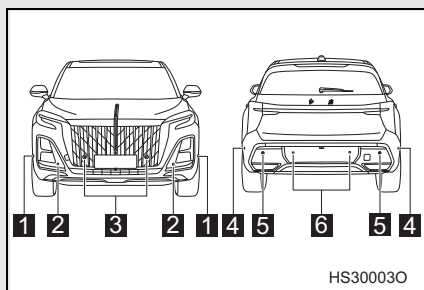
7-1. Parking control

Front and rear parking radar*	262
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Auto parking assist (APA)*	273

Front and rear parking radar*

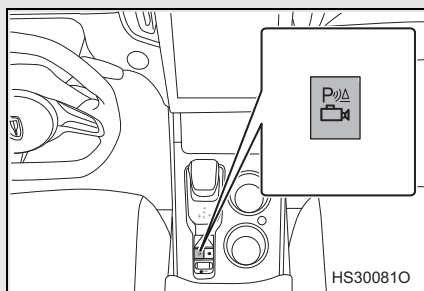
The front and rear parking radar system comprises of a control unit and ultrasonic sensors. These sensors can measure the distance between the vehicle and obstacles. According to the change of the distance from obstacles within the detection area, the speaker sounds at different frequencies, and at same time, the multimedia display screen displays information about the distance and orientation of the obstacle. When using the system, be sure to pay attention to the surrounding area.

■ Sensor type



- 1 Front side long-range radar sensor*
- 2 Front side short-range radar sensor*
- 3 Front central radar sensor*
- 4 Rear side long-range radar sensor*
- 5 Rear side short-range radar sensor
- 6 Rear central radar sensor

■ Turning on and off parking radar



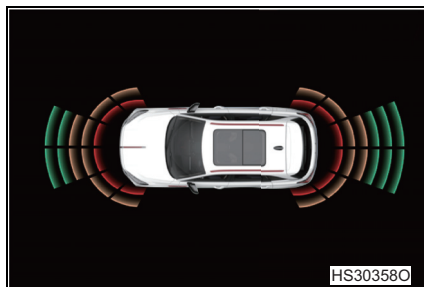
When the vehicle speed is lower than 15 km/h, press the radar/image button to turn on the parking radar; press the same button again to turn off the parking radar.

Radar setting

The radar alarm volume can be set in the image interface.
(See P.162, 268)

Display

- When an obstacle is detected



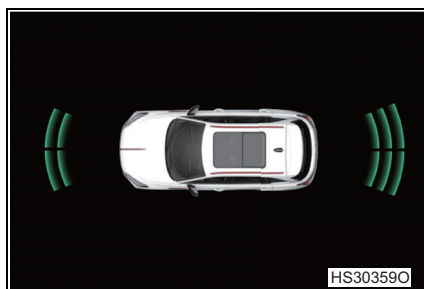
When the radar detects an obstacle, an image corresponding to the position and distance from the obstacle is displayed on the multimedia display screen.

The slow-moving area, warning area and danger area are indicated in green, yellow and red respectively.

Obstacle distance detection

When an obstacle is detected, the color block corresponding to the sensor will continuously illuminate.

- Parking slow-moving area information indication of central radar sensor



Front central radar sensor

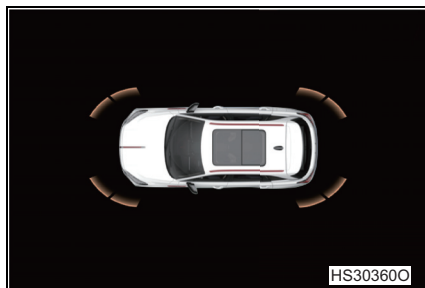
The distance from the obstacle is 80 ~ 120 cm

Rear central radar sensor

The distance from the obstacle is 80 ~ 150 cm

If the obstacle is detected within these range, a green indicator bar is indicated on the multimedia display screen and the speaker sounds to warn the driver.

- Warning area information indication of side radar sensor for parking



Side short-range radar sensor

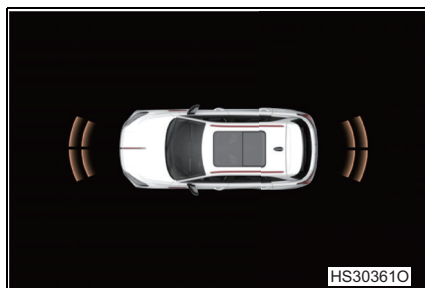
The distance from the obstacle is 40 ~ 60 cm

Side long-range radar sensor

The distance from the obstacle is 30 ~ 60 cm

If the obstacle is detected within these range, a yellow indicator bar is indicated on the multimedia display screen and the speaker sounds to warn the driver.

- Parking warning area information indication of central radar sensor

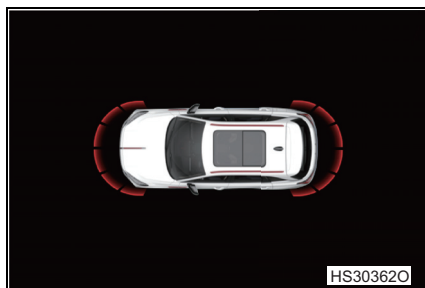


Central radar sensor

The distance from the obstacle is 40 ~ 80 cm

If the obstacle is detected within these range, a yellow indicator bar is indicated on the multimedia display screen and the speaker sounds to warn the driver.

- Parking danger area information indication of radar sensor



Central/side short-range radar sensor

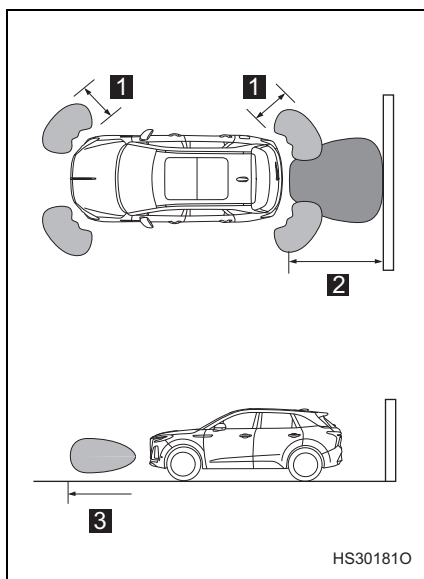
The distance from the obstacle is 1 ~ 40 cm

Side long-range radar sensor

The distance from the obstacle is 1 ~ 30 cm

If the obstacle is detected within these range, a red indicator bar is indicated on the multimedia display screen and the speaker continuously sounds to warn the driver.

Farthest detection distance of sensors



1 About 60 cm

2 About 150 cm

3 About 120 cm

The figure shows the farthest distance detected by radar sensors. (Note: Radar sensors cannot detect obstacles that are extremely close to the vehicle.)

Depending on the shape of the obstacle, the detection range of the radar sensors may vary.

■ Detection information of sensors

● Certain vehicle conditions and surrounding environments may affect the sensor's ability to correctly detect obstacles. For example:

- There is dirt, snow or ice on the sensors.
- Sensors are obscured.
- The vehicle is obviously tilted.
- The vehicle is on particularly bumpy roads, slopes, gravel roads or grass.
- There is a lot of noise in the vicinity of the vehicle, such as sounds from vehicle horns, motorcycle engines and pneumatic braking of large vehicles or other strong noises that can produce ultrasonic waves.
- There is another vehicle equipped with parking assist sensors nearby, and the sensors are working.
- The vehicle is equipped with a fender antenna mast or wireless antenna.
- The vehicle is equipped with a towing eye.
- Bumpers or sensors are strongly impacted.

- The vehicle is approaching a high or bent curb.
- In hot or cold weather.

In addition to the above cases, traffic signs and other objects may sometimes be judged by sensors as being closer than their actual distance due to their specific shape.

- The shape of an obstacle may prevent the sensors from detection, especially the following obstacles.
 - Wires, fences, ropes, etc.
 - Cotton, snow and other materials that absorb radio waves.
 - Objects with sharp edges and corners.
 - Low obstacles.
 - High obstacles with the upper part extending toward the vehicle.



WARNING

■ Warnings for using the front and rear parking radar

To avoid accidents, please observe the following precautions:

- Do not install anything within the working range of the sensors.
- Parking radar system is only a driver assistance system. Do not rely on it too much. The driver must drive carefully. When necessary, intervene proactively to avoid danger.
- The driver is the most important controller of the vehicle, and must always have control on the vehicle and take full responsibility for the vehicle.
- When the vehicle speed is too fast, the system will exit. The driver must drive carefully.



CAUTION

■ Precautions for vehicle washing

Do not flush the sensors with water or steam. Otherwise, the sensors may fail.

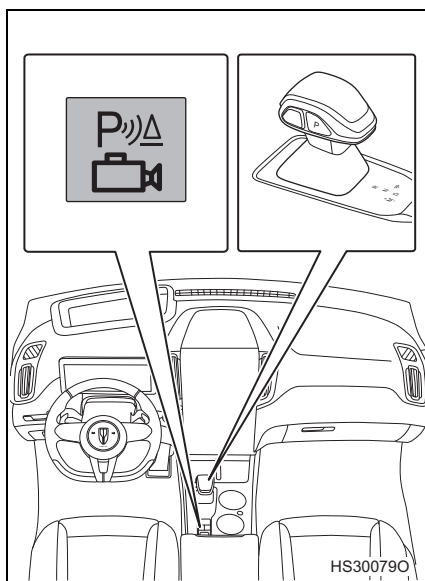
Around view monitor (AVM)

The AVM gives indications through the multimedia display screen, which is convenient for the driver to clearly view and understand the surrounding conditions of the vehicle, and at the same time judge the relative orientation and distance of obstacles, so as to achieve safe and easy parking.

The images used in this section are examples only and may differ from those actually indicated in the vehicle.

Activating and deactivating AVM

■ Activation



Method 1: Set the shift lever to R position to activate the AVM.

Method 2: When the vehicle speed is less than 15 km/h, press the radar/image button to activate the AVM.

■ Deactivation

Method 1: Press the radar/image button to exit the AVM.

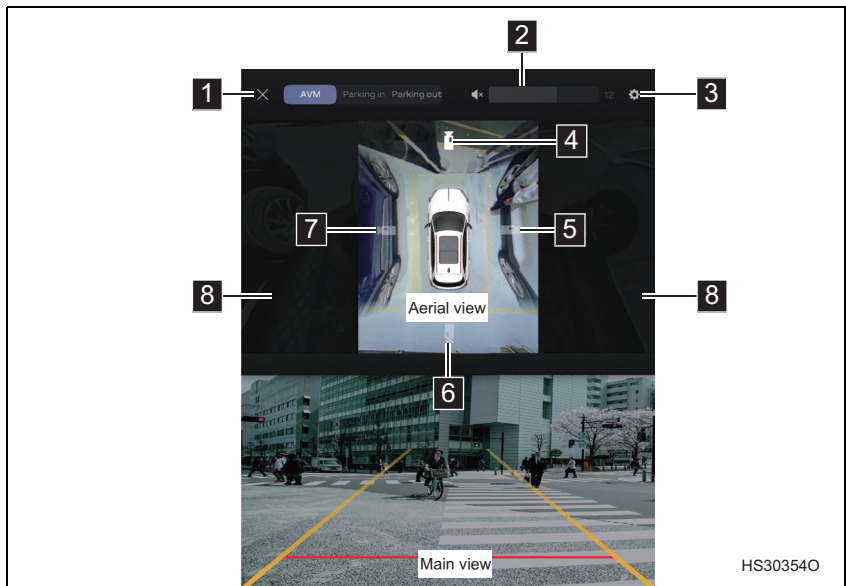
Method 2: Set the shift lever to P position to exit the AVM.

Method 3: Set the shift lever to D position and drive the vehicle at more than 15 km/h to exit the AVM.

Method 4: Press the screen button  to exit the AVM.

Screen modes of AVM

The AVM features several screen modes. The driver can choose the corresponding mode based on specific needs.



1 Back button

Click it to exit the AVM interface.

2 Volume of radar alarm

Click the button  to mute/unmute the radar alarm, and drag the volume bar to adjust the volume of radar alarm.

3 Setting

AVM self-starting, moving object and pedestrian detection, and steering self-starting can be set.

- AVM self-starting: After enabled, the image is automatically turned on if an object or pedestrian is detected approaching.
- Moving object and pedestrian detection: After it is enabled, it can detect the dynamic objects within a range of 3×5 m in the front and rear of vehicle.
- Steering self-starting: After it is enabled, moving the left/right turn signal lamp automatically turns on the AVM when steering at a low speed.

4 Front view

Display the front view and aerial view.

5 Right view

Display the right view and aerial view.

6 Rear view

Display the rear view and aerial view.

7 Left view

Display the left view and aerial view.

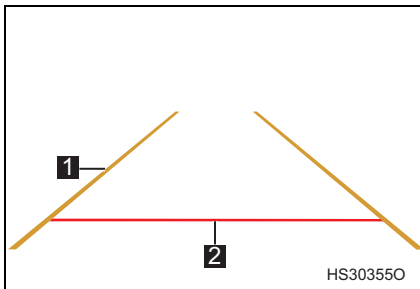
8 Wheel side view

Click to turn on/off left and right wheel side views.

When the turn signal lamps are turned on, the screen mode is automatically switched to the corresponding left and right views and aerial view. When the turn signal lamps are turned off, the previously selected screen mode is restored.

Parking assist line

The indication on the screen assists the driver in complete parking, and the parking guide lines are dynamically adjusted according to different angles of the vehicle.

**1 Parking guide line**

It represents the expected vehicle trajectory as the steering wheel rotates.

2 Distance guide line

Indicates the distance line 50 cm from rear edge of bumper.

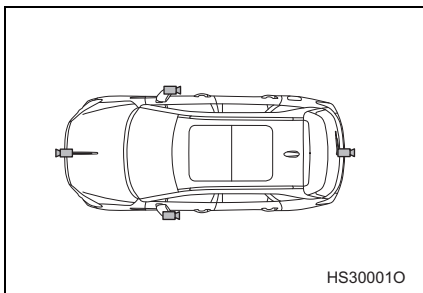
■ When setting the AVM self-starting function to ON

- When the shift lever is set to D position and the vehicle speed is lower than 15 km/h, if there are obstacles within 80 cm, the radar image interface will pop up on the display. Click the X button to exit the radar image interface. At this time, the AVM self-starting function is disabled during this drive cycle.
- When the shift lever is set to R position, the radar image system is turned on. At this time, the radar image system can be turned off by pressing the radar/image button.
- After the radar image system is turned on, when the vehicle speed is higher than 15 km/h, the system will exit. When the vehicle speed is lower than 12 km/h, the radar image system will work again.

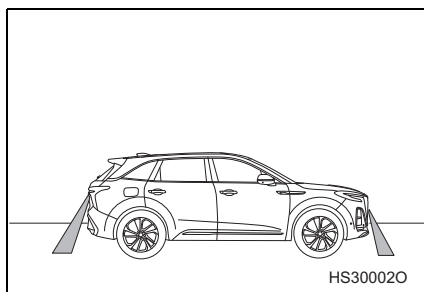
■ When setting the AVM self-starting function to OFF

- When the shift lever is set to R position, the radar image system is turned on. At this time, the radar image system can be turned off by pressing the radar/image button.
- After the radar image system is turned on and the shift lever is set to R position, when the vehicle speed is higher than 15 km/h, the system will exit and when the vehicle speed is lower than 12 km/h, the radar image system will work again; if the shift lever is set to D position, when the vehicle speed is higher than 15 km/h, the system will exit and do not automatically resume.

Around view camera

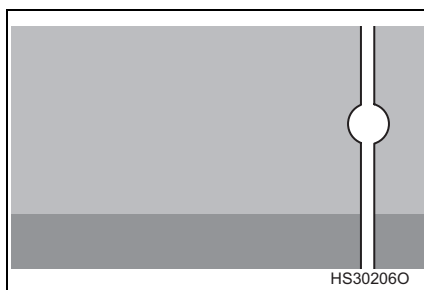


Around view cameras are installed at the front grille, trunk lid and left and right external rearview mirrors respectively.



The area that the camera can monitor is limited. Objects near the corners of the bumpers or under the bumpers are not displayed on the screen.

The area displayed on the screen may change with the vehicle direction or the road conditions.



If the cameras receive strong light (for example, sunlight reflected by the vehicle body), they may produce the smear effect*¹ unique to the camera.

*¹: When the cameras are used to transmit images, the light source seems to have a vertical stripe extending up and down.

WARNING

■ **The AVM is only a driver assistance system. Do not rely on it too much.**

- The driver is the most important controller of the vehicle, and must always have control on the vehicle and take full responsibility for the vehicle.
- Please drive carefully and visually confirm the situation around the vehicle. It is very dangerous to reverse only by observing the display screen, which may lead to accidents or collisions with objects. The AVM is only a visual auxiliary system. The image on the display screen may be different from the actual situation.

■ **When using AVM**

Please observe the following precautions to prevent serious personal injury or even death.

- Do not rely solely on the AVM when reversing.
- Visually check and confirm through the rearview mirror that the selected path is clear.
- The displayed distance between the object and the plane may be different from the actual distance.



WARNING

■ When using AVM

- The aerial view of AVM can only show close objects, and the cameras will not show objects outside the field of view.
- The moving object detection function can only detect moving objects at low speed, and some objects may be missed during detection. Please remain vigilant during driving.
- Do not use this system when the cameras can not work normally.

■ Conditions affecting AVM

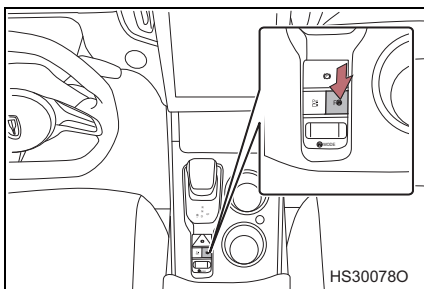
- If the vehicle is hit, the position and mounting angle of the camera may change. Please contact an authorized FAW Hongqi dealer for vehicle inspection.
- If the temperature changes sharply, for example, when the vehicle is splashed with hot water in cold weather, this system may not work properly.
- If the camera is dirty, it may not transmit a clear image. Rinse it with water and wipe it clean with a soft cloth. If the camera is very dirty, clean it with neutral detergent and wipe it.
- When the system temperature is low, the displayed image may darken and the moving image may be slightly distorted.
- Under the conditions of rain, snow, fog and low visibility, the camera image may not be clear.
- Situations where AVM should not be used
 - On icy, slippery or snowy roads.
 - Tire chains or an emergency spare tire are used.
 - On an uneven or bended road, such as a bend or slope.
- If the tire is changed, the guide line position indicated on the display screen may deviate. For tire change, please consult an authorized FAW Hongqi dealer.
- Depending on the vehicle conditions (number of occupants, amount of luggage, etc.), the guide line position indicated on the display screen may change. Before operation, make sure to visually check the conditions behind and around the vehicle.

Auto parking assist (APA)*

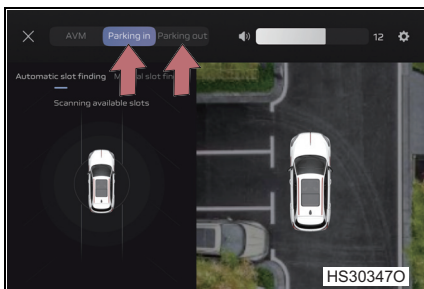
APA measures the length of the parking spaces on both sides of the road using ultrasonic waves and cameras. After the appropriate parking space is selected, the system will automatically control the vehicle to perform parking to park in the selected parking space. APA includes auto parking-in and auto parking-out. They can be selected through the multimedia display.

Before using the APA, be sure to check the automatic parking steps, precautions and warnings described in this section to prevent accidents.

Entering APA



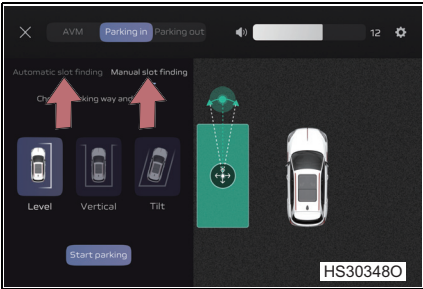
Press the APA button to enter the automatic parking selection interface.



The parking mode can be selected as parking-in or parking-out in the parking selection interface.

How to use auto parking-in

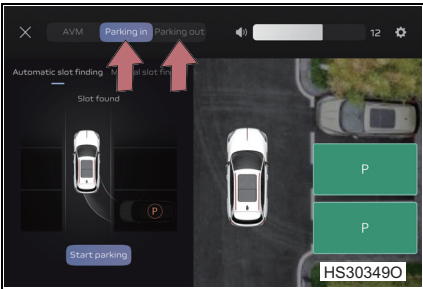
Step 1 Select parking space locating mode



You can search parking spaces in automatic mode and manual mode. And in each mode, there are three types of parking spaces available: Vertical parking, parallel parking, and inclined parking.

When the vehicle speed is not zero, the system defaults to automatic mode. Only when the vehicle speed is zero, the manual mode can be selected.

Step 2 Selecting the parking space



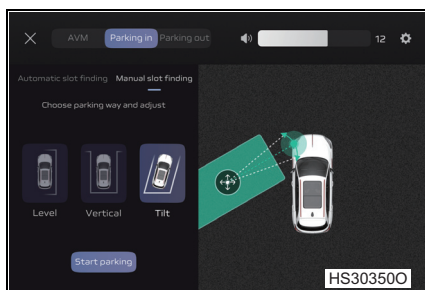
Method 1: Automatic mode selection

Driving at a speed of less than 20 km/h, the system will automatically recognize the parking spaces of the same type selected by the driver along both sides of the driving direction.

When the system finds the parking spaces, the parking spaces will be displayed in red or green. The system regards the green preferred parking space as the target parking space by default, but the driver can also manually select other available parking spaces displayed on the screen as the target parking space by touching them.

- Red: Unavailable parking space
- Green: Available parking space

Note: After selecting the automatic mode, the default is full parking space type, allowing the system search all the parking space types. If users select a specific parking space type, it can improve the success rate of finding a parking space of that particular type.



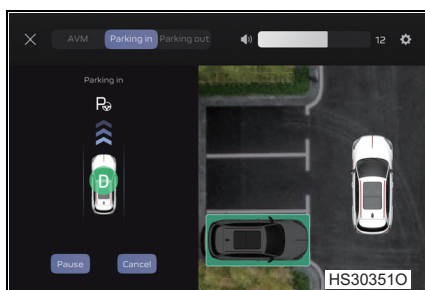
Method 2: Manual mode selection

Driving the vehicle at a speed lower than 20 km/h, when the screen shows the parking area, stop the vehicle, select manual locating and select the type of parking space, drag and rotate the target parking space frame to move it within the parking area, when the parking space frame is red, it means that the vehicle can not be parked in the area, and you need to adjust the position of the target parking space frame on the screen.

Step 3 Parking control

Method 1: With the target parking space confirmed, depress the brake pedal, touch the "Start parking" button, and release the brake pedal to start parking.

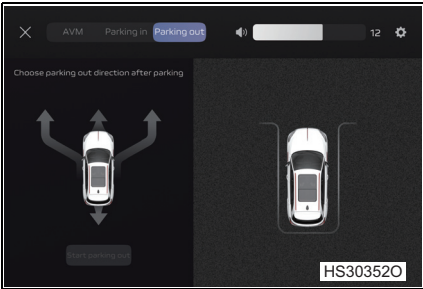
Method 2: With the target parking space confirmed, shift the gear to P, apply the EPB and click the "Start parking-in" button to start parking.



The parking process can be controlled through the display during the parking.

How to use auto parking-out

Step 1 Selecting the parking-out type

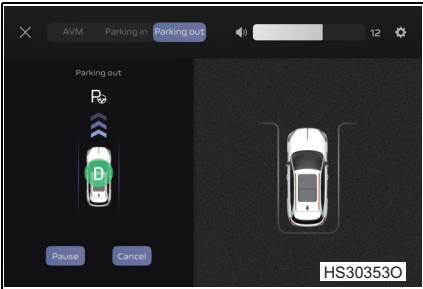


Four types of parking-out can be selected through the multimedia display: Vertical backwards, vertical forward, parallel leftwards, and parallel rightwards.

Step 2 Parking-out control

Method 1: With the parking-out type selected, depress the brake pedal, touch the "Start parking-out" button, and release the brake pedal to start parking-out.

Method 2: With the parking-out type selected, shift the gear to P, apply the EPB and click the "Start parking-out" button to start parking-out.



The parking process can be controlled through the display during the parking-out.

■ Parking operating conditions:

- In the process of searching a parking space, the vehicle speed should be less than 20 km/h; when it exceeds 20 km/h, slowdown will be prompted.
- No one is operating the steering wheel during parking.
- ESC OFF switch is not activated.
- ESC/ABS/TCS is not working.
- This system and related system function have no fault.

■ Parking exit conditions:

- The vehicle speed is more than 30 km/h during the process of searching a parking space.
- The driver operates the steering wheel.
- Door is opened.
- The parking canceling button is pressed.
- Parking is not completed even after exceeding the maximum number of movements after the automatic parking is activated.
- SACC is activated.
- ESC OFF switch is activated.
- ESC/ABS/TCS functional intervention.
- This system and related system function have fault.

- **During the automatic parking process, it is necessary to observe the surrounding conditions of the vehicle throughout the entire process. When an emergency situation occurs and braking is required, the driver needs to touch the parking canceling, pause button or depress the brake pedal or pull the EPB switch to stop the vehicle.**



CAUTION

- **The driver is the primary controller of the vehicle, and the APA is only a driver assistance system. Although the system can provide assistance to the driver during parking, it should not replace the driver to park the vehicle and the driver must be responsible for the parking. During parking, the driver should pay attention to the surrounding environment of the vehicle and control the vehicle if necessary to avoid danger.**
- **To ensure the success rate and safety of parking system, the system needs to be used in the following environmental conditions:**
 - The road surface is flat, the height of obstacle is less than 5 cm, and the slope does not exceed 4 degrees.
 - The parking space lines are clear and the parking space is large enough.
 - The weather is good, and the driver can see the environment near the parking space clearly and unobstructedly.
 - The driving road is dry and non-slip.
- **In the process of automatically searching for parking spaces, the following situations should be paid attention to:**
 - The vehicle needs to move close to the parking space. Failure to do so may cause the parking space not to be recognized.
 - The steering angle of the vehicle should not be excessive, otherwise it may cause failure of the parking space recognition.
 - The vehicle speed should not be more than 20 km/h, otherwise it may cause failure of the parking space recognition.
 - Rain, snow, fog or dark light conditions may reduce the recognition rate of parking spaces.
 - When the parking space is too small, the parking space lines are not clear, or the parking space is irregular, it may cause failure of parking space search.
 - In the process of searching for a parking space, the image can only assist the driver, and the driver needs to pay attention to the surrounding environment in real time.
- **In the process of automatically parking, the following situations should be paid attention to:**
 - The distance prompting function may have blind spots, and the driver needs to pay attention to the surrounding environment in real time.
 - Insufficient parking space may cause failure of parking.
 - Steep slope may cause failure of parking.

**CAUTION**

- **In the process of automatically parking, the following situations should be paid attention to:**
 - Slippery roads may cause failure of parking.
 - Uneven road surface, steps or low obstacles may cause failure of parking.
 - During parking, the driver should not operate the pedals, shift lever and steering wheel, otherwise the parking process will be terminated.
- **If a tire needs to be replaced, please make sure that the size of the replacement tire is exactly the same as that of the original tire, and check the four-wheel alignment parameters.**

**WARNING**

- **Due to the blind spot of the sensor, pay attention to low and small obstacles, and the corners and sides of the vehicle during parking.**
- **For specific limitations of the sensor, please refer to the relevant description of the parking radar.**
- **Pay attention to whether there is enough space when parking.**
- **There is a delay in the parking brake, so the driver should make a judgment in advance and stop the vehicle if the danger is found.**
- **Please pay special attention to people, animals and various obstacles around the vehicle, the sensor has a blind spot that cannot be detected.**
- **When searching for a parking space or during parking, please be aware that there are no obstacles in the parking space, such as stones, thin poles or tow bars, as the system may not detect such obstacles.**
- **The system may not recognize the surface or structure of certain objects (e.g., wire fences, fluffy snow, angular pillar, etc.). Therefore, please re-check that there is enough space in the parking space and surroundings before parking the vehicle.**
- **If the parking radar system detects an obstacle, the obstacle may disappear from the sensor detection range after the vehicle approaches (this is highly likely to happen when detecting obstacles that are too high and too low), thus not detecting these items. Do not ignore the warning from the parking distance warning system, otherwise the vehicle may be at risk of collision.**



WARNING

- Due to the influence from various external sound field and electromagnetic field (e.g. other vehicles using ultrasonic ranging, air pressure, engine noise, electric control gears, induction loops, etc.), the system cannot achieve absolute immunity to interference.
- The immunity to interference and detection performance of ultrasonic ranging may be reduced by environmental conditions and obstacle reflection properties, which are determined by the physical properties of ultrasonic propagation.
- The installation position of the sensor has an important impact on the system performance, which is reflected in the reflection from the vehicle bumper surface itself, ground echo reflection and detection range.
- Avoid cleaning the sensor with a high pressure washer or steam cleaner to prevent damaging the sensor. When cleaning the vehicle, you should use a smaller water flow to rinse the sensor surface for a short time and keep at least 10 cm away.
- The propagation of sound waves in air is influenced by the physical properties of refraction and diffraction phenomena. Temperature differences in the air is one of the most important factors in generating a non-uniform propagation medium, leading to acoustic diffraction.
- The detection performance of ultrasonic detection equipment can be affected by the following factors:
 - Hot vehicle exhaust.
 - High temperature asphalt road.
 - Summer breeze.
 - Temperature stratification.

**WARNING**

- **When there is a temperature difference between the bumper and the ambient air (common in winter), temperature stratification may occur. This can lead to acoustic wave diffraction, and in certain bumper structures may pose a risk of false alarms due to reflected echoes.**
- **Some important factors that can lead to reduced detection range or failure of detection:**
 - Snow or sludge adhering to the bumper surface.
 - Plaster or ice adhering to the sensor surface.
 - High acoustic attenuation (e.g., in dry, hot environments).
 - Heavy rain or in foam.
 - Obstacles with wave-absorbing materials.
 - Flat type obstacles with angles facing the sensor and reflected echoes occurring only in a specific angular range.

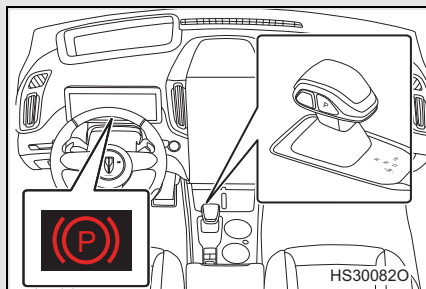
8-1. Parking assist

Electronic parking brake (EPB)	284
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8-2. Get-off

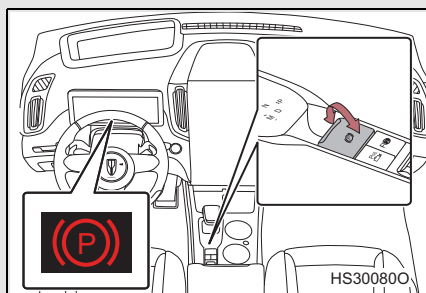
Door opening warning	288
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Electronic parking brake (EPB)



Automatic application/release of EPB

Depress the brake pedal, and set the shift lever to P position, so the EPB is automatically applied; set the shift lever from P to D/R position to automatically release the EPB.



Manual application/release of EPB

Depress the brake pedal and confirm that the vehicle is stationary, lift the EPB switch up to apply the EPB; set the engine switch to "IG-ON" mode, depress the brake pedal, and press the EPB switch to release the EPB.

■ Other features of EPB

- **HHC:** The driver fastens the seat belt and closes the door. Before the engine starts, if the EPB is applied and the accelerator pedal is depressed, the system will automatically release the EPB, so that the vehicle will not slip down the slope and start smoothly.
- **CDP:** When the vehicle is running, continuously lift the EPB switch up, so the vehicle will brake until it stops.

■ AUTO HOLD after power-off

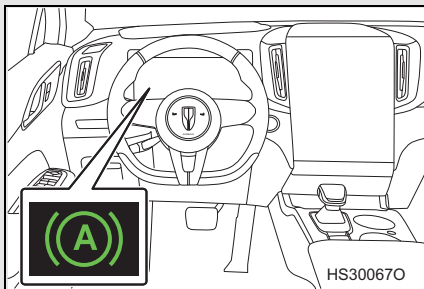
When the driver stops the vehicle and turns off the engine switch, the EPB is automatically applied.

**CAUTION****■ Precautions before driving**

- Release the EPB completely. In case of failure (e.g., electrical failure), the rear brake disc locked by the EPB can only be unlocked by mechanical method. It is recommended that you contact an authorized FAW Hongqi dealer for handling.
- When the EPB is not released, the red indicator lamp is on. Driving the vehicle at this time will cause the brake components to overheat, thus affecting the braking performance and aggravating the wear of the brake.

AUTO HOLD

When the AUTO HOLD is ready, depress the brake pedal to stop the vehicle and activate the AUTO HOLD. At this time, if the brake pedal is released, the vehicle will maintain braking. When the brake pedal or accelerator pedal is pressed again, the system will deactivate the AUTO HOLD to achieve a smooth start.



When the AUTO HOLD is activated, the AUTO HOLD indicator lamp of the instrument cluster comes on.

■ Turning on and off AUTO HOLD

The AUTO HOLD can be turned on and off through the driving settings interface of the in-vehicle infotainment system.
(See P.156)

■ AUTO HOLD function

- The AUTO HOLD can assist in holding the vehicle during engine start on slope. However, on steep slopes, the AUTO HOLD may not stop the vehicle. In this case, it is necessary to apply the brake manually.
- After the AUTO HOLD is activated for a period of time, the EPB will take over the AUTO HOLD.

■ Operating conditions of AUTO HOLD

- The driver's door is closed.
- The driver has fastened the seat belt.
- The driver depresses the brake pedal until the vehicle is stationary, and then releases the brake pedal.

**WARNING****■ Parking on slippery roads**

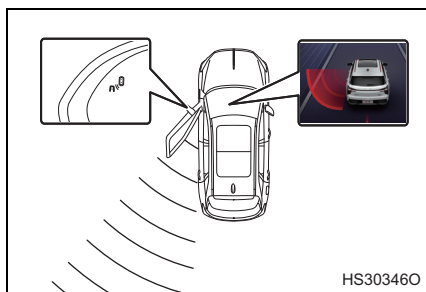
The AUTO HOLD does not prevent the vehicle from moving if the ground grip of the tires is exceeded. Do not use this system on slippery roads.

**CAUTION****■ When parking**

The AUTO HOLD cannot be used for long-term parking. If the vehicle needs to be parked for a long time, please apply the EPB.

Door opening warning

The system assesses the risk by considering the relative position, relative speed and relative acceleration of the vehicle to the side and rear oncoming vehicles, as well as the door opening intention of the driver and passengers. If there is danger in opening the doors at this time, the driver will be prompted by audible and visual alarms.



When the gear is not in R and the vehicle speed is 0~3 km/h, if another vehicle approaches within 2 m laterally and 20 m longitudinally behind the vehicle, the warning indicator lamp on the exterior rearview side mirror on the corresponding side comes on, the ambient lamp on the door on the corresponding side remains on, and the instrument cluster displays alarm information. At this time, if the door is opened, the indicator lamp flashes, and the ambient lamp on the door on the corresponding side flashes, and the system issues an audible alarm to warn the driver that it is dangerous to open the door. When the vehicle speed is greater than 3 km/h, the function is turned off.

Turning on/off door opening warning system

The door opening warning system can be turned on and off through the driving settings interface of the in-vehicle infotainment system. (See P.157)

■ The door opening warning system may not give an alarm or may expand the alarm range under the following conditions:

- A large amount of snow or ice gathers near radar sensors.
- There are fixed obstacles on the roadside (e.g., tunnel wall, cement barrier of viaduct, metal billboard, etc.).



CAUTION

- Be careful not to impact the rear bumper during parking. Otherwise, the sensors in the bumper may be shifted or damaged, which may cause the system to shut down automatically or affect the system function.
- In order to ensure the normal operation of the system, the sensors in the bumper must be kept clean and not be covered by other objects.
- Only the paint approved by our company can be applied to the rear bumper. Other kinds of paint may cause limited functions or failure of the system.
- If this system does not work normally, please turn it off immediately, and contact an authorized FAW Hongqi dealer for repair.
- After relevant components of the door opening warning system are repaired, calibration is required. For details, please contact an authorized FAW Hongqi dealer.
- The door opening warning system is only an auxiliary reminder, and cannot completely avoid vehicle collision. Before opening the door and getting off, please check the rearview mirrors and give a glance to rear areas.
- Under special working conditions such as wet weather, the door opening warning system may give false alarms or miss alarms, which are normal phenomena.
- When the rear radar is blocked, the system will not work. Therefore, it needs to be cleaned in time.



WARNING

- The door opening warning system is only a driver assistance system. Do not rely on it too much. The driver must drive carefully.
- The driver is the most important controller of the vehicle. The door opening warning system is only an auxiliary reminder. The driver must always have control of the vehicle and take full responsibility for the vehicle.
- Turn off the radar detection system when a trailer or some accessories (e.g., bicycle carrier) are installed at the rear. Otherwise, the radio waves emitted by the radar may be blocked, resulting in abnormal operation of the system.
- The door opening warning system can detect targets such as vehicle, electric motorcycle and bicycle. If target vehicles have characteristics of irregular shape, modification, painted surface, etc., the recognition effect cannot be guaranteed. The recognition of pedestrians, animals or other objects cannot be guaranteed too. At this time, the driver must drive carefully.

9-1. Important information

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9-2. Countermeasures in case of an emergency

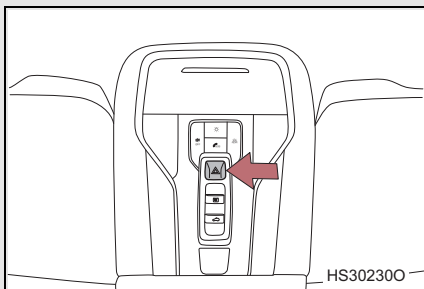
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9-1. Important information

Hazard warning lamp

When the vehicle breaks down, please stop by the roadside and turn on the hazard warning lamp; if the vehicle cannot be moved due to breakdown, please turn on the hazard warning lamp and put a warning triangle behind the vehicle. If necessary, please wear a reflective vest.



Press the hazard warning lamp switch to make all turn signal lamps flash; press it again to turn off the hazard warning lamp.



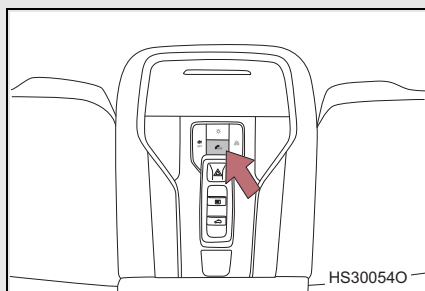
CAUTION

■ Preventing low battery

When the engine is not running, if it is not necessary to use the hazard warning lamp, turn it off.

SOS alarm*

If you need help in an emergency, press and hold the SOS alarm switch for 3 seconds. The emergency rescue phone will start dialing, and the SOS lamp will change from always on to flashing. After receiving your call for help, the background service will coordinate appropriate rescue assistance.



SOS alarm switch is located behind the front interior lamp.



CAUTION

- Please use the SOS alarm switch when needed.
- The SOS alarm function requires an Internet connection to operate. In some regions, vehicles may not be equipped with this function or it may be temporarily unavailable. For detailed configuration and usage information, please consult authorized FAW Hongqi dealer.

9-1. Important information

Emergency call device*

Your vehicle is equipped with an emergency call device. This device is used to report accidents or other emergency situations to the emergency service department.

Overview

■ **Emergency call uses the GSM/UMTS network to call the ERA-GLONASS emergency response system.**

When driver or passenger presses the "SOS" button, a call can be made manually, or if the built-in sensor in the device records vehicle rollover during traffic accident, endangering lives of person in the vehicle, a call can be made automatically.

■ **Automatic mode**

Emergency call in automatic mode is provided during ignition and when traffic accident occurs.

■ **Manual mode**

Emergency call in manual mode can be made when ignition switch is turned on and off.

■ **Emergency call function**

After establishing a connection with ERA-GLONASS system, this device will transmit a set of data, including information such as vehicle location coordinates, vehicle type and fuel that vehicle is used, as well as other critical information required for immediate response of emergency service. So as to provide help as soon as possible. After the data transmission is completed, voice connection will be established with the system operator, and for this purpose, the device includes microphone and speaker.

"SOS" button, microphone and device status indicator lamp are located behind the front passenger's sun visor.

There is also an "Additional function" button on the ceiling for canceling emergency call and access service function.

Emergency call

If there is an accident or any emergency situation that requires emergency service, please operate as follows:

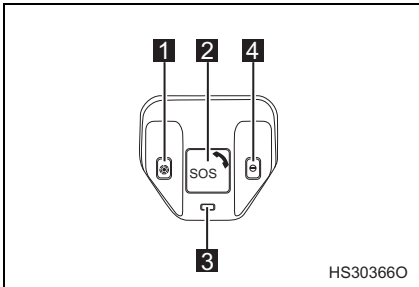
Step 1 Check the emergency call status indicator lamp. If indicator lamp flashes or lights up in green, it indicates that the accident has been confirmed in automatic mode and an emergency service call has been made (skip item 2).

Step 2 If the device has not switched to this mode yet, press the "SOS" button.



CAUTION

- The time to press the button must be at least 2 seconds!



1 "Additional function" button

2 SOS button

3 Microphone status indicator lamp

4 Microphone

If a connection to emergency service has not been established and the call was manually initiated, emergency service call can be canceled by pressing "Additional function" button.



CAUTION

- During emergency call, it is prohibited to press "SOS" button. An incorrect call can cause damage to the ERA-GLONASS infrastructure and interfere with the normal operation of operator.

Step 3 When an emergency call starts, the voice message "Emergency call is in progress" will be played. Once connection is established with the emergency service department, a set of data will be transmitted, which includes the information required for rapid assistance. It will take up to 20 seconds for information transmission. Wait for the data transmission to end and establish a voice connection

with the emergency response service operator. In order to facilitate communication with the operator, other sound sources (audio system) in the vehicle will be turned off. Answer the operator's question and try to speak in the direction of user interface unit.

If there are any problems (such as unstable GSM network signal), the device will attempt to make emergency call several times. If the connection to emergency response service still cannot be established, the indicator lamp on the user interface unit will flash in red and a voice message "Emergency call cannot be made" will also be played. In this case, please try calling the emergency service in any other way possible.

Voice connection to emergency response service can only be completed at the initiative of service operator. After connection is completed (green indicator lamp goes off), if necessary, you can remake the emergency call by pressing corresponding button. After the emergency call ends, emergency service operator can make a callback for communication and the connection with personnel in the cabin will be automatically established.

Self-diagnosis

Emergency call has the function of self diagnosing the performance of all its main components. Every time when ignition, self-diagnosis program will be activated, and the emergency call status indicator will light up in red for 3-5 seconds. In the case of ignition, self-diagnosis will also be regularly turned on. If a fault is detected during self-diagnosis process, the status indicator will remain illuminated in red (during ignition).

To locate the fault, you can switch the emergency call to test mode. Switch to test mode only when ignition is on and the vehicle is not moving.

To switch to test mode within 1 minute, briefly press the "Additional function" button, and then follow the instructions played by the device through speakers. During the inspection of individual component, the device will report the integrity of each component. Switching to test mode is prohibited within 2 hours after the end of emergency call.

**CAUTION**

- **If there is a fault, the correct operation of emergency call cannot be guaranteed. Please contact the authorized service center as soon as possible for troubleshooting.**

Emergency call system is equipped with built-in backup battery, operation is possible even if the vehicle is damaged/turned off resulting from an accident.

**CAUTION**

- **If you turn off ignition switch, the backup battery built into the emergency call will discharge. Therefore, when the main battery is subsequently connected until emergency call backup battery is fully recovered to charge, self-diagnosis can detect a fault. However, this is not the reason to contact service center and replace it. Automatically charge the backup battery when the ignition switch is turned on and the battery temperature is positive. After being fully charged, the usage time can reach 10 hours.**

Status indicator

The following table lists the possible options for displaying device status and their corresponding operating modes:

Working mode	Status indication
Start self-diagnosis when ignition	Indicator lamp illuminates in red for 4 seconds
Test mode	Indicator lamp flashes alternately in red and green
Fault is found	Indicator lamp continuously illuminate in red
Emergency call: dialing and data transmission	Indicator lamp flashes in green
Emergency call: initialization and voice connection with operator	Indicator lamp continuously illuminate in green
Emergency call is unavailable	Indicator lamp flashes in red

Value added service

The emergency call device installed in your vehicle has implemented the following additional services:

- Remote monitoring of vehicle position and connected sensor status;
- Driving style control;
- The function of phone call program number.

By default, these functions are unavailable, but they can be activated if you contact the nearest representative of device manufacturer's regional network.

If the vehicle needs to be towed

If the vehicle needs to be towed, FAW suggests that a flatbed carrier tow truck is used and the towing should be carried out by an authorized FAW Hongqi dealer or a professional rescue company.

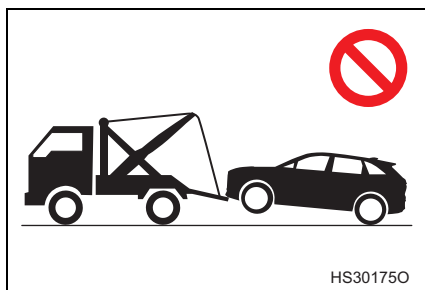
During the towing process, safety chains shall be used and all laws and regulations of the country shall be complied with.

Before towing

If the following conditions occur, the transmission may be faulty. Please contact an authorized FAW Hongqi dealer before towing the vehicle.

- The engine is running normally, but the vehicle cannot move.
- The transmission has abnormal noise or vibration.

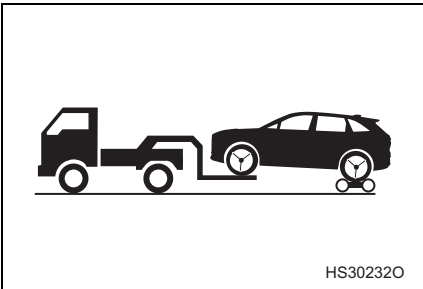
It is strictly forbidden to use a bumper lift tow truck for towing



Do not use a bumper lift tow truck for towing, as it may cause damage to the vehicle body.

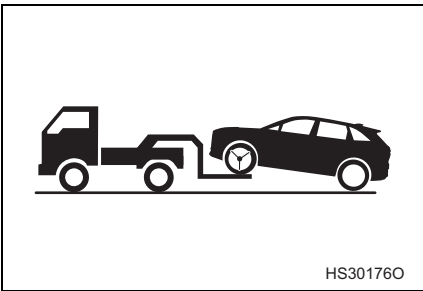
Towing from the front with a wheel lift tow truck

■ 4WD



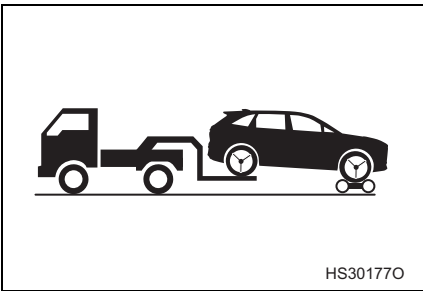
Locate the towing trolley under the rear wheels.

■ 2WD



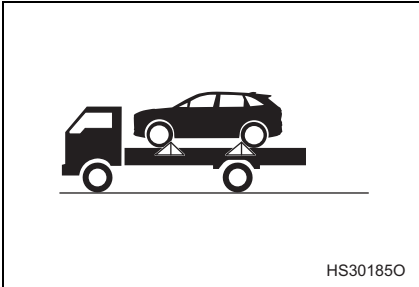
Release the parking brake.

Towing from the rear with a wheel lifting tow truck



Locate the towing trolley under the front wheels.

Towing with a flatbed carrier tow truck



Apply the EPB, and turn off the engine switch.

Use wedges under 4 wheels to prevent the vehicle from moving.

As shown in the figure, tie the tires to the bottom plate of the tow truck to secure the vehicle.

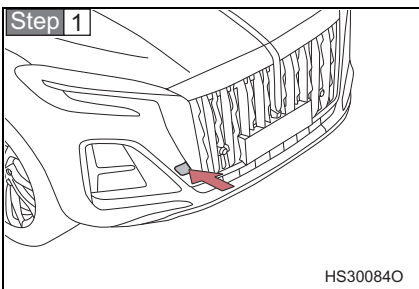
Emergency towing

If the carrier tow truck cannot be found in an emergency, fasten the towing cable or towing chain to the towing eye and set the shift lever to N position to temporarily tow the vehicle. This method can only be used for towing forward at low speed (≤ 70 km/h) and short distance (100 km) on hard pavement.

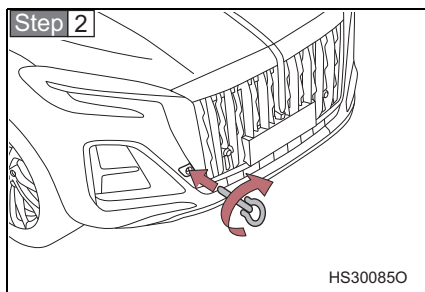
The driver must sit in the vehicle and control the steering wheel and brake pedal. The wheels, drivetrain, steering wheel and brakes must be in good condition.

Emergency towing steps

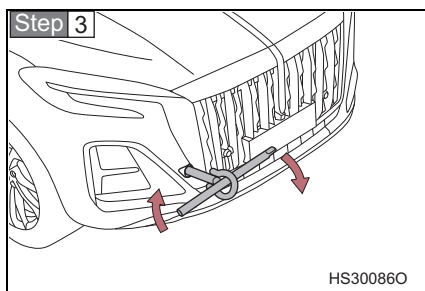
The following procedures use the towing from front as an example, and for reference if towing from rear.



Press the left side of towing eye hole cover to detach the towing eye hole cover.



Insert the towing eye into the hole and tighten it slightly by hand.



Tighten the towing eye with the auxiliary tool.

Step 4 Secure the towing cable or towing chain firmly to the towing eye.

Be careful not to damage the vehicle body.

Step 5 Release the EPB and set the shift lever to N position.

■ Towing

- If the engine is not running, the power assist for the brakes and steering wheel will not work, making steering and braking more difficult.
- If the shift lever cannot be set to N position, do not carry out emergency towing. Otherwise, the vehicle may be damaged during towing.

■ Towing a trailer

FAW recommends that you do not use the vehicle to tow a trailer, or install any towing equipment or tow any wheelchair, scooter, bicycle, etc. using the towing equipment. The vehicle is not designed for towing any trailer or as a mounting carrier of towing equipment.

■ Towing eye

The towing eye is stored in the driver's tool box. (See P.305)

**WARNING**

Please observe the following precautions. Failure to do so may result in serious personal injury or even death.

■ Before towing

Be sure to transport the vehicle with all the driving wheels or all four wheels off the ground.

If the vehicle is towed with the driving wheels touching the ground, the drivetrain and related parts may be damaged.

■ Towing

- For towing with ropes, the tow truck starts only when the ropes are tightened, and the ropes must be kept tightened all the time during towing. Otherwise, excessive pulling force will be generated on the towing eye and ropes, resulting in damage to the towing eye or ropes and personal injury.
- Do not set the engine switch to "IG-OFF" mode. The steering wheel may be locked and inoperable.

■ Installation of towing eye on the vehicle

Ensure that the towing eye is securely installed. Otherwise, the towing eye may loosen during towing, which may cause accidents.

**CAUTION****■ During towing with a wheel lift tow truck, prevent damage to the vehicle.**

When the vehicle is lifted, make sure that there is enough ground clearance at the landing end of the vehicle for towing. Otherwise, the vehicle may be damaged during towing.

■ During towing with a bumper lift tow truck, prevent damage to the vehicle.

Regardless of towing at the front or rear of the vehicle, do not use a bumper lift tow truck.

■ During towing with a flatbed carrier tow truck, prevent damage to the vehicle.

- Do not pass the wedges. Otherwise, the tires may be damaged.
- Do not tie other parts (such as suspension) except for tires.

9-2. Countermeasures in case of an emergency

If the vehicle is found to be abnormal

If any of the following symptoms are found, the vehicle may need to be adjusted or repaired. Please contact an authorized FAW Hongqi dealer as soon as possible.

■ Visible symptoms

- There is a liquid leaked under the vehicle.
(Water dripping after use of A/C and after cooling of the exhaust pipe is a normal phenomenon.)
- Flat tire or uneven tire wear.
- Continuously and abnormally high coolant temperature.

■ Audible symptoms

- Change in the exhaust sound.
- Excessive tire noise during turning.
- Abnormal noise related to suspension system.
- Engine-related noise.

■ Operation symptoms

- Misfire, instability or unstable operation of the engine.
- Noticeable decrease in power.
- The vehicle pulls to one side seriously during braking.
- The vehicle pulls to one side seriously during driving on a flat road.
- The brake system malfunctions, or the brake pedal feels soft and nearly reaches the floor.

9-2. Countermeasures in case of an emergency

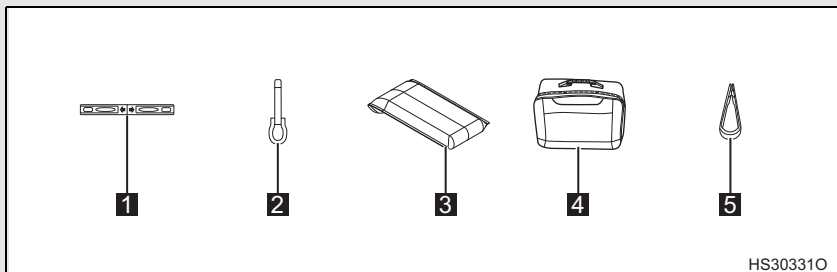
If you have a flat tire

► Models with tire repair kit

Please use tire repair kit in driver's tool for repair.

Please refer to the instructions in the tire repair kit for specific operation methods.

■ Driver's tool



1 Warning triangle

2 Towing eye

3 Reflective vest assembly

4 Tire repair kit

5 Wheel bolt trim cover removal tool

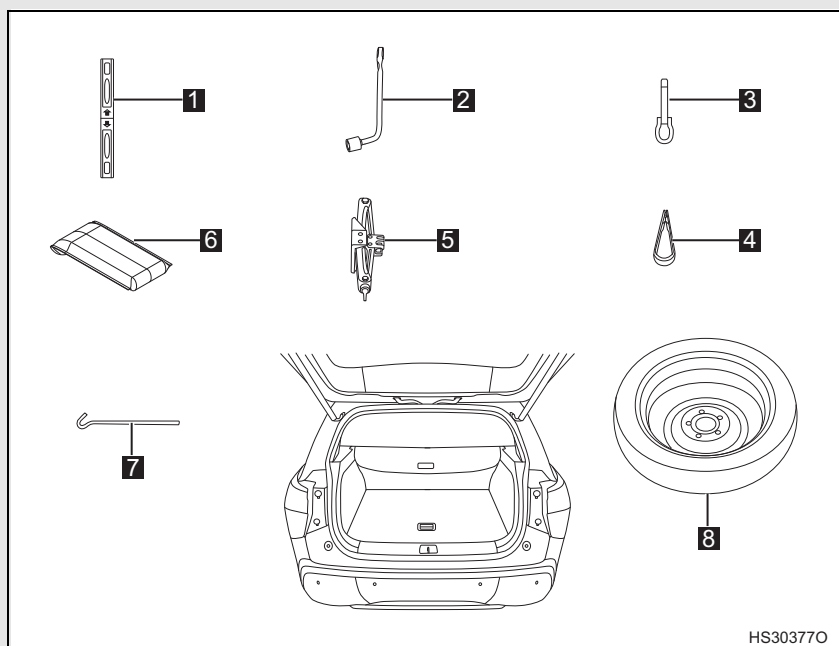
► Models with spare tire

Removing the leaking tire and replacing it with a spare tire.

■ Before jacking up the vehicle

- Park the vehicle on a solid and level road.
- Apply the EPB.
- Set the shift lever to P position.
- Shut down the engine.
- Turn on the hazard warning lamp and place the warning triangle.

■ Spare tire and driver's tools



HS30377O

1 Warning triangle

3 Towing eye

5 Jack

7 Jack crank

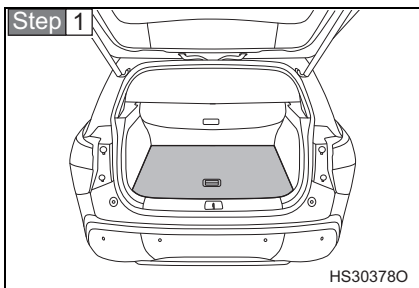
2 Tire wrench

4 Wheel bolt trim cover removal tool

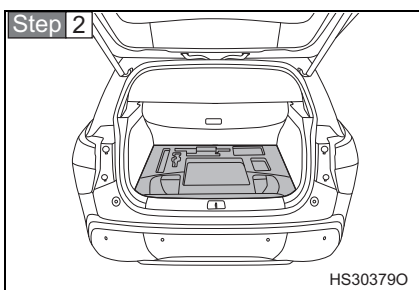
6 Reflective vest assembly

8 Spare tire

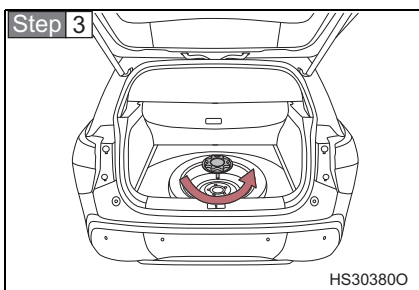
Taking out the spare tire



Take out the trunk carpet.



Take out the driver's tool box.



Loosen and remove the spare tire retainer and take out the spare tire.

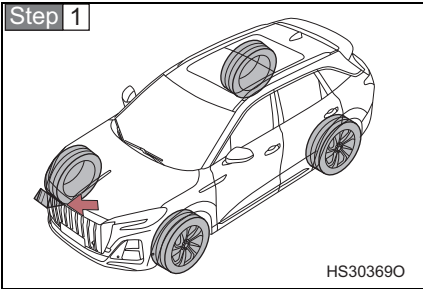


WARNING

■ Handling the spare tire

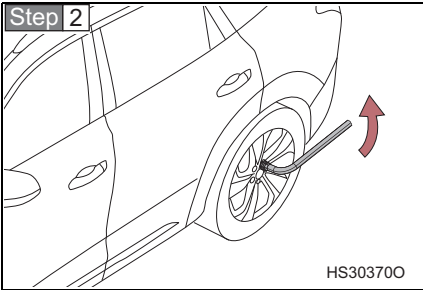
Be careful not to get fingers or other parts of your body trapped between the spare tire and vehicle body.

Replacing the leaking tire



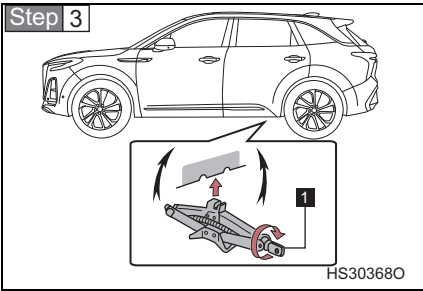
Wedge the tire.

Leaking tire		Wedge position
Front wheel	Left	Behind the right rear tire
	Right	Behind the left rear tire
Rear wheel	Left	Before the right front tire
	Right	Before the left front tire



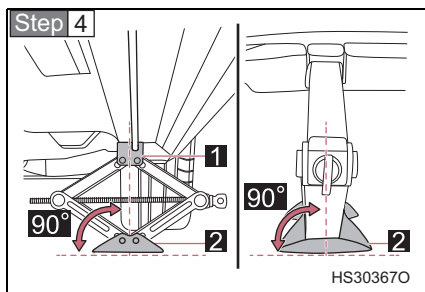
Remove the wheel bolt trim cover.

Loosen the wheel bolts slightly (one turn) using the tire wrench.

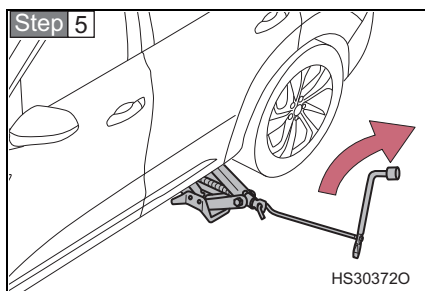


Turn the "1" position of the tire jack by hand until the jack notch contacts the jacking point of the vehicle.

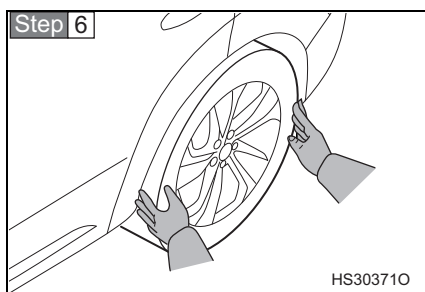
The jacking point mark is under the door sill plate. Be sure to support the vehicle at the jacking point.



Correct the position of the jack so that the notch "1" aligns the jacking point and the bottom plate "2" is flat on the ground. At this time, the bottom plate "2" must be right under the jacking point.



Insert the jack crank into the opening of the jack. Rotate the jack crank to lift the vehicle so that the wheels are slightly off the ground.



Remove all wheel bolts, and then remove the wheel.

When the wheel is placed on the ground, the spokes should be placed upwards to avoid scratching the rim surface.



WARNING

■ Replacing the leaking tire

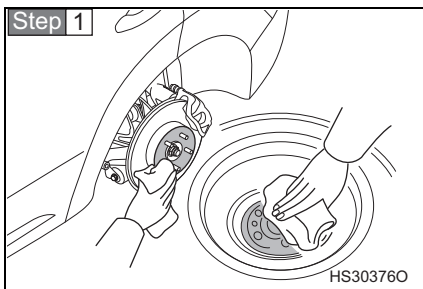
- Do not touch the areas around wheels or brakes immediately after the vehicle runs.

After the vehicle runs, the areas around wheels and brakes will be very hot. When changing tires, avoid touching them with hands, feet, or other body parts to prevent burns.

- Failure to observe the following precautions may result in loose wheel bolts and detached tires, resulting in serious personal injury and even death.
 - After the wheel is replaced, use a torque wrench to tighten the wheel bolts to the specified torque.
 - Do not install any severely damaged wheel trim, as it may fall off the wheel while the vehicle is running.
 - For the installation of wheels, only use wheel bolts specially designed for that wheel.
 - If there are cracks or deformations on the wheel bolts or nuts, please contact an authorized FAW Hongqi dealer to inspect the vehicle.
- Be sure to tighten the wheel bolts correctly and firmly.

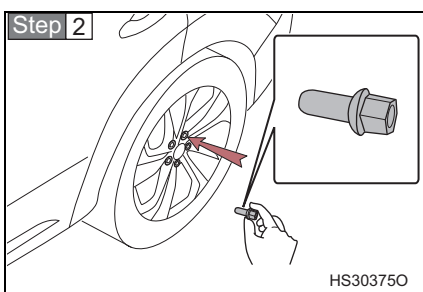
It is dangerous that the wheel bolts are tightened improperly or get loose. Wheels may shake or fall off. This may cause a loss of control and lead to serious accidents.

Installing the spare tire

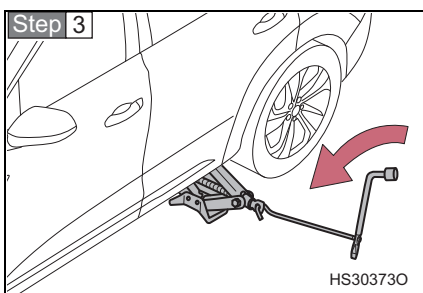


Remove dirt or foreign matters from the mating surface of the wheel.

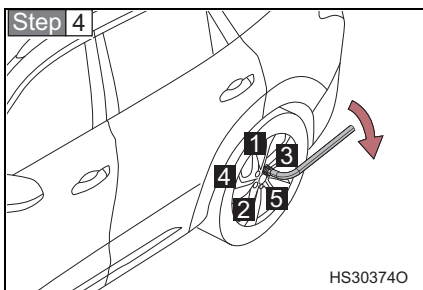
If there are foreign matters on the mating surface of the wheel, the wheel bolts may get loose when the vehicle is in motion, which may cause the wheel to detach from the vehicle.



Install the wheel and evenly tighten the wheel bolts by hand.



Lower the vehicle.



Tighten the wheel bolts with force in the order shown in the figure.

Tightening torque:
 $160 \pm 10 \text{ N} \cdot \text{m}$



WARNING

■ After using tools and jacks

Before driving, ensure that all tools and jacks are firmly secured in their storage positions to minimize the risk of personal injury in the event of a collision or emergency braking.

■ Cleaning before wheel installation

If there are foreign matters on the mating surface of the wheel, the wheel bolts may get loose when the vehicle is in motion, which may cause the wheel to detach from the vehicle.

■ Installing the spare tire

- Never apply oil or grease to wheel bolts.

Oil and grease may over-tighten the wheel bolts, resulting in damage to the bolt or spoke wheel. In addition, oil or grease may cause wheel bolts to get loose and cause the wheel to fall off, thus causing accidents, serious injury or even death. Please remove all oil or grease from wheel bolts or nuts.

- After the wheel is replaced, please go to an authorized FAW Hongqi dealer as soon as possible to tighten the wheel bolts to the standard torque with a torque wrench.
- If the bolt holes of the wheel are damaged or cracked, please contact an authorized FAW Hongqi dealer for inspection and replacement of the wheel.



CAUTION

■ Do not drive the vehicle with flat tires

Do not continue driving the vehicle when any tire leaks.

Otherwise, even if the driving distance is short, tires and the vehicle may be damaged, which will lead to unfeasible repair and even cause traffic accidents.

If the engine cannot start

If the engine does not start even after correct engine start steps are performed (see P.183), consider the following reasons.

- Even if correct engine start steps are followed, the engine cannot start.

The failure may be caused by one of the following conditions:

- There is not enough fuel in the fuel tank of the vehicle.
Fuel the vehicle.

- The engine may spill fuel.

Try to start the engine again according to the normal engine start steps. (See P.183)

- There is a fault in engine IMMO system. (See P.66)

- Starter speed is slow, interior lamps and headlamps are dim, or horns do not sound or sound with low volume

The failure may be caused by one of the following conditions:

- Battery power is low. (See P.317)

- The terminals of the battery may be loose or corroded.

- Starter is not running

An electrical failure (e.g., open circuit) may cause engine starting system failure.

- The starter does not operate, the interior lamps and headlamps do not come on, or the horn does not sound.

The failure may be caused by one of the following conditions:

- The terminals of the battery may be disconnected.

- The battery may be depleted.

If the faults cannot be eliminated or the maintenance steps are unclear, please contact an authorized FAW Hongqi dealer.

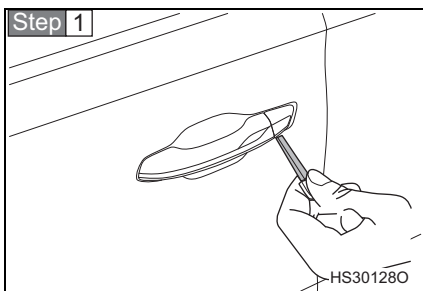
If the key is lost

If the smart key is lost or stolen, please provide the remaining keys to an authorized FAW Hongqi dealer as soon as possible. After the keys are re-matched, the lost or stolen key will become invalid. Unauthorized modification or non-genuine spare parts may lead to system failure.

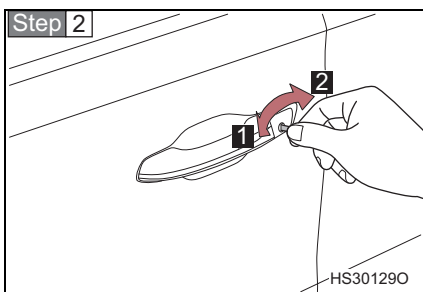
If the key fails to work normally

If communication between the key and the vehicle is interrupted (see P.92) or the key cannot be used due to insufficient battery power, the PEPS and wireless remote control will be invalid. At this time, the following steps can be followed to open the doors or start the power system.

Locking and unlocking the doors



Use the mechanical key to remove the door keyhole cover.



Use the mechanical key to lock and unlock the doors.

1 Unlocking the door

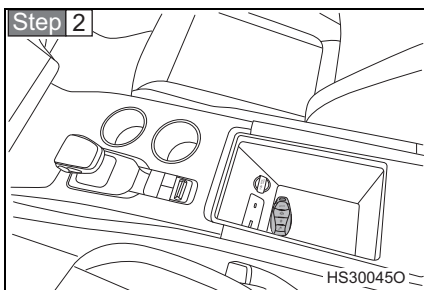
2 Locking the door

Backup start mode

When the key battery is low, the backup start mode should be used.

Step 1 Set the shift lever to P position, depress the brake pedal and press the engine switch.

At this time, the multifunction display in the instrument cluster will prompt that the key cannot be recognized.



Place the smart key flat on the front of armrest box.

Step 3 Depress the brake pedal and press the engine switch to start the engine.

If the engine still can't start, please contact an authorized FAW Hongqi dealer.

■ Replacing key battery

If the key battery is low, replace it in time. (See P.367)

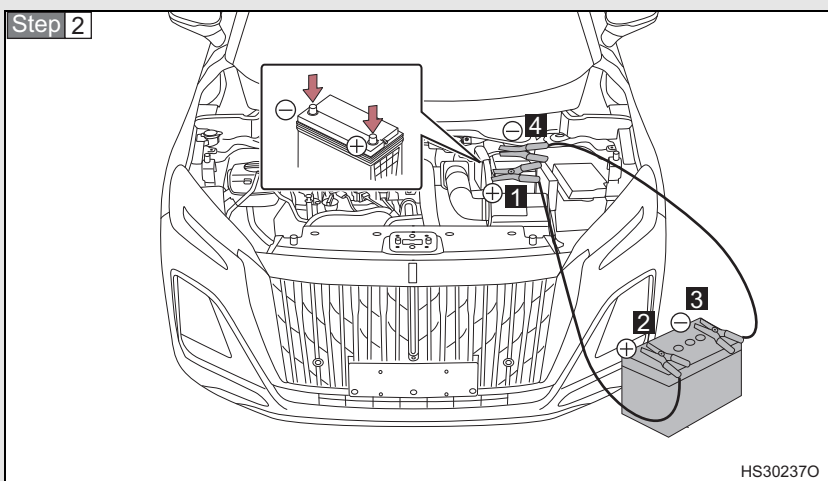
If battery power is low

If the battery power is low, the following measures can be adopted to start the engine.

You can contact an authorized FAW Hongqi dealer or a professional repair shop.

If you have a set of jumper cables (or auxiliary cables) and another vehicle with a 12 V battery, you can jump start your vehicle according to the following steps.

Step 1 Open the cover of the battery positive terminal.



Connecting jumper cables

- 1** Connect to the positive (+) terminal of your vehicle.
- 2** Connect to the battery positive (+) terminal of the other vehicle.
- 3** Connect to the battery negative (-) terminal of the other vehicle.
- 4** Connect to the negative (-) terminal of your vehicle.

Step 3 Start the engine of the other vehicle. Increase the engine speed slightly and keep it for about 5 minutes to recharge the battery of your vehicle.

Step 4 Keep the engine of the other vehicle running, turn the engine switch of this vehicle to "IG-ON" mode, and start the engine.

Step 5 Remove the jumper cables in the exact reverse order of connection once the engine is started successfully.

Once the vehicle is started, drive it to an authorized FAW Hongqi dealer for inspection as soon as possible.

If the vehicle cannot be started by jumping, contact an authorized FAW Hongqi dealer promptly.

■ Preventing low battery power

- After engine stalls, turn off the headlamps and in-vehicle infotainment system.
- Turn off any unnecessary electrical equipment when the vehicle is driven at low speed for a long time (e.g. in traffic jams).

■ Charging battery

- Due to natural discharge and the consumption of certain electrical equipment, the power stored in the battery gradually depletes even when the vehicle is not in use. If the vehicle is not in use for a long time, the battery may be depleted and the engine may fail to be started.
- The battery can be charged by a charger or another vehicle. When charging via a charger, be sure to turn off the engine switch and disconnect the ground wire.

■ Replacing battery

- Use the battery that meets the standard of genuine part.



CAUTION

■ Handling jumper cables

- Only use a 12 V auxiliary battery.
- When connecting or disconnecting jumper cables, do not tangle the cables with the cooling fan or engine belt.



WARNING

■ Removing 12 V battery terminals

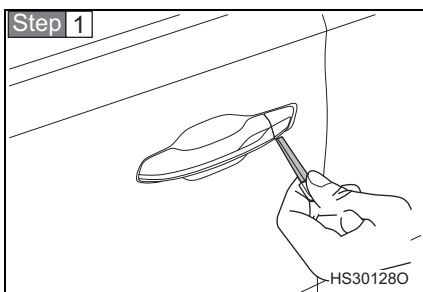
- Be sure to disconnect the negative (-) terminal first. If the positive (+) terminal is removed and it touches any metal in the surrounding area, it may spark and cause a fire, possibly an electric shock, resulting in serious injury or even death.

9-2. Countermeasures in case of an emergency

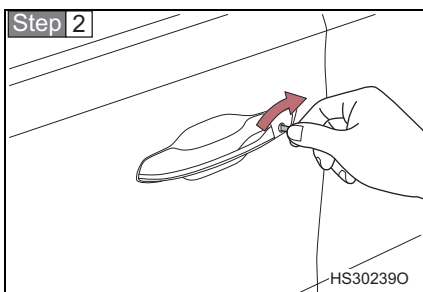
If the door cannot be locked normally

Doors cannot be locked by PEPS or wireless remote control due to a low battery. At this time, the following steps can be followed to lock doors.

Locking the driver's door

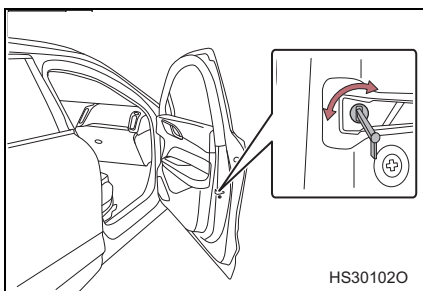


Use the mechanical key to remove the door keyhole cover.



Use the mechanical key to lock the doors.

Locking the front passenger's door and rear passenger's doors



Close the door after locking with the mechanical key.

Front passenger's and right rear doors: turn the switch counterclockwise;

Left rear door: turn the switch clockwise.



WARNING

- **Once the vehicle is started after charging, drive it to an authorized FAW Hongqi dealer for inspection as soon as possible.**

- **Preventing fire or explosion of battery**

The battery may release flammable gases, therefore, be sure to observe the following precautions to avoid accidental ignition:

- Make sure that the jumper cables are connected to the correct terminals and will not accidentally touch any terminals other than the correct ones.
- Do not let the other end of the jumper cable connected to the "+" terminal touch any other part or metal surface in this area, such as bracket or unpainted metal.
- Do not let the "+" and "-" clamps of the jumper cable contact with each other.
- Do not use any open flames, smoke or use matches or lighters near the battery.

- **Precautions for battery**

The battery contains toxic and corrosive acidic electrolytes. Therefore, be sure to observe the following precautions when handling the battery:

- Always wear goggles when handling the battery to prevent any battery electrolyte from coming into contact with your skin and clothing or vehicle body.
- Do not lean over the battery.
- If the battery electrolyte comes into contact with your skin or eyes, rinse the contact area immediately with water and seek medical attention. Cover the contact area with a damp sponge or a piece of damp cloth until you see a doctor.
- Always wash your hands after handling the battery bracket, terminals, and other battery-related parts.
- Keep children away from the battery.

If your vehicle overheats

The vehicle may be overheated under the following conditions.

- The alarm for high coolant temperature is issued or a decrease in power is felt.
- Steam comes out beneath the hood.

■ Countermeasures

Step 1 Park the vehicle in a safe place and turn off the A/C system.

Step 2 Check whether steam comes out from beneath the hood.

If steam comes out:

Turn off the engine switch. After steam dissipates, carefully lift the hood and restart the engine.

If steam does not come out:

Keep the engine running and carefully lift the hood.

Step 3 Check whether the cooling fan is operating.

If the fan runs:

Wait until the engine coolant temperature starts to decrease (engine coolant temperature is displayed on the instrument cluster), and stop the engine.

If the fan does not run:

Stop the engine, and contact an authorized FAW Hongqi dealer.

Step 4 After the system has cooled sufficiently, check the coolant level, and check the radiator for leakage.

Step 5 Add coolant if necessary. (See P.349)

If there is no coolant in case of emergency, contact an authorized FAW Hongqi dealer.



WARNING

■ Precautions for inspection:

When opening the hood for inspection, be sure to observe the following precautions to avoid accidents or personal injuries.

- If steam comes out beneath the hood, do not open the hood before steam dissipates. The engine may be very hot, resulting in serious injuries such as scalding.
- When the engine is running, do not approach the fan and engine belt.
- When the engine and radiator are hot, do not release the coolant filler cap, otherwise hot coolant and steam may be released under pressure, resulting in serious scalding and other injuries.



CAUTION

■ Adding coolant

Add coolant slowly after the engine has cooled sufficiently. If cold coolant is added too quickly when the engine is hot, it can cause damage.

■ Preventing damage to cooling system

Please observe the following precautions:

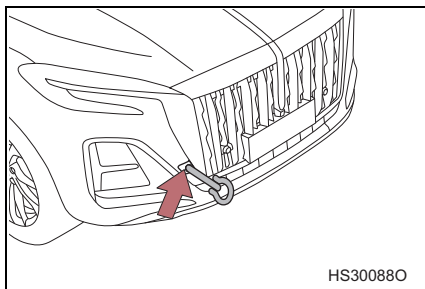
- Prevent foreign matters (such as sand or dust) from entering into coolant.
- Do not use any coolant additives.

If vehicle gets trapped

In case of wheel idling or trapping in mud or snow, perform the following operations.

- Step 1** Apply the EPB and set the shift lever to P position. Turn off the engine switch.
- Step 2** Remove mud, snow or sand around the trapped tires.
- Step 3** Place wooden blocks, stones or other materials under all tires to help increase the ground grip of the tires.
- Step 4** Restart the engine.
- Step 5** Set the shift lever to D or R position, and depress the accelerator pedal carefully to drive the vehicle out of the trap.

■ Emergency towing



- If the vehicle is trapped or immobile, the towing eye can be used to tie the towing cable or chain to another vehicle to tow the vehicle in an emergency.
- For details, refer to "If the vehicle needs to be towed" in this chapter. (See P.299)
- It is not recommended to tow other vehicles with your vehicle.



WARNING

■ Driving the vehicle out of the trap

If the vehicle is driven out of the trap by pushing the vehicle from the front and rear, make sure that the surrounding area is spacious and unimpeded to avoid colliding with other vehicles, objects or people. When the vehicle is to be driven out of the trap, it may suddenly rush forward or backward, so extra care shall be taken.

■ When operating the shift lever

Do not depress the accelerator pedal during gear shifting, otherwise the vehicle may accelerate suddenly, resulting in a serious accident.



CAUTION

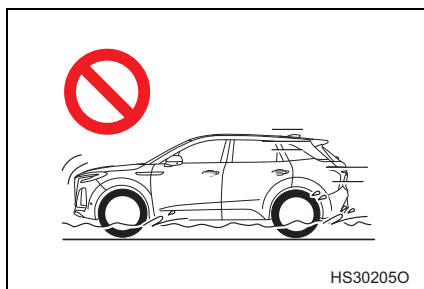
■ Preventing damage to transmission and other components

- Avoid wheel idling and do not run the engine at high speed.
- If the vehicle still cannot get out of the trap after several attempts, it is required to seek the assistance of a tow truck.

If driving on water-logged road

In case of accidental driving on a water-logged road and water entry, contact an authorized FAW Hongqi dealer for the following inspections:

- Check the braking efficiency of brakes.
- Check the oil level and quality of the engine, transmission, reducer, etc. (if the lubricating oil is turbid, it is contaminated by water; in this case, change the lubricating oil).
- Check the lubrication of the propeller shaft, bearings, joints, etc.



In case of driving on a water-logged road, engine flameout, short circuit of electrical components, and water entry are likely to occur. Do not attempt to start the engine after flameout, otherwise the engine may be damaged seriously.

9-2. Countermeasures in case of an emergency

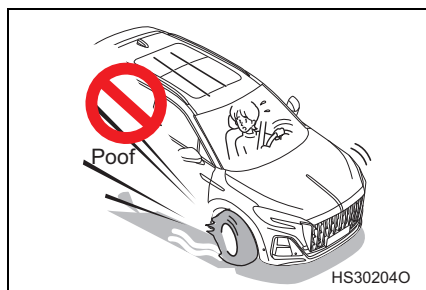
If you have a burst tire

In the event of tire burst or rupture during driving, keep calm.

Hold the steering wheel firmly and depress the brake pedal slowly to decelerate the vehicle. If you perform emergency braking or turn the steering wheel sharply, you are prone to lose control of the vehicle.

It is necessary to check for tire burst or rupture under the following conditions:

- Steering wheel jitter.
- Abnormal vehicle vibration.
- Abnormal vehicle inclination.



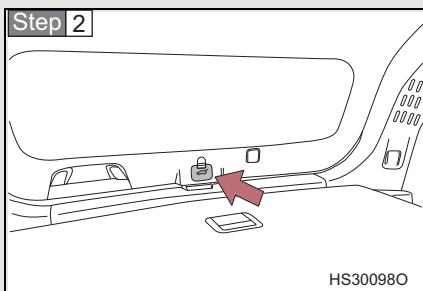
Do not drive with a flat tire.

Driving with a flat tire is so dangerous that accidents are likely to occur. In addition, tires, rims, suspensions and body will be damaged. In this case, replace the tires promptly or contact an authorized FAW Hongqi dealer.

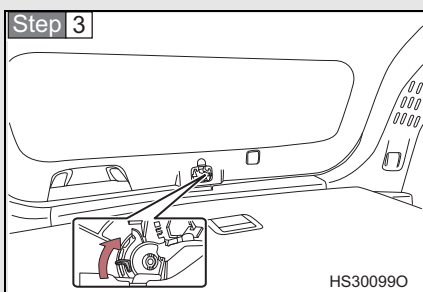
Emergency opening of trunk lid

The following steps can be taken as emergency measures to ensure that the trunk lid can be opened.

Step 1 Enter the trunk area via folding the rear seat back.



Open the emergency unlocking cover on the trunk lid.



Push the trunk lid unlocking switch to open the trunk lid.

WARNING

- **When opening or closing the trunk lid manually in an emergency, be careful to prevent injuries.**
 - Do not allow children or persons in need of assistance to operate the vehicle alone, otherwise they may be trapped in the vehicle or trunk and cannot safely leave or perform self-rescue in the event of an emergency.
 - With seasonal changes, the temperature in the locked vehicle may be very high or low, therefore, occupants especially children are prone to injury or illness and even death.
 - When opening or closing the trunk lid, take special care to ensure that there is no person between the trunk lid and the body.



CAUTION

■ Preventing damage to vehicle

When opening or closing the trunk lid in an emergency, be careful during removal and refitting of the parts, to avoid damaging the vehicle.

**10-1. Service and
maintenance**

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10-2. Maintenance

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yourself**

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Cleaning and protecting exterior trims of vehicle

The following operations help to protect the exterior trims of the vehicle and keep them in the best condition:

- Rinse the body, wheelhouse and underbody with plenty of water from top to bottom to remove dirt and dust.
- Wipe the body with a sponge or a piece of soft cloth (such as suede cloth).
- Clean the part with the traces that are difficult to remove using detergents and rinse it thoroughly with water.
- Remove water.
- In case of aging of the waterproof coating, wax the vehicle.

Make sure that the surface of the vehicle is clean and free of water beads and the body is cooled before waxing the body.

■ Automatic vehicle washing

- Fold the exterior rearview mirrors before washing the vehicle. Rinse the front part of the vehicle first. Be sure to unfold the exterior rearview mirrors before driving.
- The brushes used at the automatic washing station may scratch the surface of the vehicle and damage the paint.

■ High-pressure vehicle washing

- Do not place the nozzle for vehicle washing too close to the window.
- Before vehicle washing, check that the fuel filler cap is properly closed.

■ Aluminum wheels

- Remove dirt with neutral detergent immediately after it is adhered to the wheels. Do not use hard brushes or abrasive detergents. Do not use highly corrosive or strong detergents.
- Do not wash the wheels with detergent when they are very hot (e.g. after driving for long distance in hot weather).
- After washing the wheels with detergent, rinse them immediately.

■ Bumper

Do not scrub the bumper with abrasive detergent.

**WARNING****■ Washing vehicle**

Do not rinse the interior of the engine compartment with water, otherwise the electrical components may be short-circuited, possibly resulting in a fire.

■ Precautions for exhaust pipe

Exhaust gas will make the exhaust pipe very hot.

When washing the vehicle, do not touch the exhaust pipe before it has sufficiently cooled down to avoid scalding.

**CAUTION**

■ **Preventing aging of body and body paint and corrosion of body and components (such as aluminum wheels)**

- Wash the vehicle immediately after the following conditions occur:
 - Driving by the sea
 - Driving on saline-alkali roads
 - Paintwork contaminated with coal tar or tree sap
 - Dead insects, insect droppings or bird droppings fallen on the paintwork
 - Driving in areas contaminated with coal ash, oil fumes, mineral dust, iron dust or chemical substances
 - Severe dust or mud buildup on the vehicle
 - Liquids such as benzene and gasoline splashed on the paintwork
- Repair the paint promptly in case of peeling-off or scratch.
- To prevent the wheels from corrosion, remove dirt from them and store them in a place with low humidity.

■ **Cleaning the logo**

Wipe the logo on the engine hood with clean water or neutral cleaner. Do not wash the logo with alcohol or alcohol-containing liquid, phenol, anisole and other organic solvents, otherwise the logo is prone to crack.

■ **Cleaning the lamp**

- Be careful when cleaning the lamp. Do not use organic cleaners or hard brushes to clean the lamp, otherwise the lamp surface may be damaged.
- Do not wax the lamp surface, otherwise the lamp shade may be damaged.
- Wipe and clean the lamp surface with clean water or neutral cleaner. Do not wash the logo with alcohol or other organic solvents such as alcohol-containing liquid, phenol and anisole, and high-effective cleaner such as adhesive remover and asphalt cleaner, otherwise it is easily cracked and discolored.
- Do not use winter windshield washer fluid with antifreeze to clean the rear windshield in hot weather of 25°C or more, which may corrode the rear lamp surface and cause cracks.

Cleaning and protecting interior trims of vehicle

The following operations help to protect the interior trims of the vehicle and keep them in the best condition:

■ **Protecting interior trims of vehicle**

Remove dirt and dust with a vacuum cleaner. Dampen a piece of cloth with warm water and wipe the dirty surface.

■ **Cleaning leather part**

- Remove dirt and dust with a vacuum cleaner.
- Dampen a piece of soft cloth with diluted detergent and wipe off the remaining dirt and dust through wiping.
Use a neutral wool detergent solution with a diluted concentration of about 5%.
- Wring the damp cloth and wipe off the residual detergent thoroughly.
- Wipe off any residual moisture on the surface with a piece of dry soft cloth, and dry the leather in a cool and ventilated place.

■ **Cleaning artificial leather part**

- Remove floating dust with a vacuum cleaner.
- Apply neutral soapy solution to the artificial leather part.
- Soak the artificial leather part in the soapy solution for a few minutes, and wipe off the dirt and soapy solution with a piece of clean damp cloth.

■ **Cleaning wooden part**

- Gently wipe off the dust on the surface of wooden trims using cotton gauze.
- Gently wipe off the dirt on the surface of wooden trims using cotton gauze wet with a little neutral soapy solution.

■ Maintaining leather part

It is recommended that you clean the interior trims at least twice a year to maintain their quality.

■ Maintaining wooden part

It is recommended that you maintain the surface of wooden part at any time according to their condition.

■ Cleaning carpet

Clean the carpet with a proper foam cleaner available in the market. Apply the foam with a sponge or brush, scrub the carpet in overlapping circular motions, do not add water, and keep the carpet as dry as possible to achieve the best effect.

■ Seat belt

Clean the seat belt using a piece of cloth or sponge wet with neutral cleaner and lukewarm water. Regularly check the seat belt for excessive wear, damage or scratches.



WARNING

■ Preventing entry of water into vehicle

- Do not spill liquids into the interior of the vehicle, otherwise it may cause malfunctions or fires in electrical components.
- Do not let the airbag components or wires in the vehicle get wet, otherwise accidental deployment or malfunction of the airbag may be caused, resulting in serious injury or even death.
- When applying film to the front windshield or cleaning the interior trim, pay special attention to preventing water from entering the instrument panel, otherwise the electronic components in the instrument panel are prone to damage, resulting in a vehicle fault.

■ Cleaning interior trims (especially instrument panel)

Do not use polishing wax or polishing cleaner, otherwise the instrument panel may reflect light on the windshield, which obstructs the driver's visibility, causing serious injury or even death.

**CAUTION**

■ **Cleaner**

- Do not use the following cleaners, otherwise the interior trims may be discolored or the paintwork may be streaked or damaged:

Organics such as benzene or gasoline, alkaline or acidic solutions, dyes and bleaches.

- Do not use polishing wax or polishing cleaner, otherwise the paintwork of the instrument panel or other interior parts may be damaged.

■ **Preventing damage to leather surface**

To prevent damage and aging of the leather surface, please observe the following precautions:

- Wipe off the dust and dirt on the leather surface in time.
- Do not expose the vehicle to direct sunlight for a long time. Park the vehicle in a cool place, especially in summer.
- Do not place polyethylene, plastic or waxy articles on the leather trim, as they may stick to the leather surface when the interior temperature increases significantly.
- If too much moisture remains on the seat surface, the leather will be hardened, shrunk or deformed.

■ **Preventing entry of water into floor**

Do not clean the floor with water.

If the electrical components under the floor come into contact with water, the electrical system may be damaged, and the body may be rusted.

■ **Cleaning inner side of rear windshield**

- Do not clean the rear windshield with glass cleaner, otherwise its defogger heating wires may be damaged. Dampen a piece of cloth with warm water and gently wipe the rear windshield in a direction parallel to the heating wires.
- Be careful not to scratch or damage the heating wires.

Precautions for maintenance

To ensure the driving safety and economy, routine and regular maintenance are crucial.

As recommend by FAW, you should take the following maintenance measures:

■ Regular maintenance

- Perform regular maintenance on the vehicle according to the maintenance schedule.

The maintenance intervals are determined according to the mileage or time interval (whichever comes first) in the maintenance schedule.

It is recommended to perform maintenance items even if the specified maintenance interval has been exceeded.

- Where can you have your vehicle maintained?

An authorized FAW Hongqi dealer is the most ideal service provider for maintenance.

The authorized FAW Hongqi dealer has advanced maintenance tools, equipment and genuine spare parts for the maintenance and service of your vehicle, and all after-sales service personnel have received professional management and technical training to ensure rapid and efficient completion of vehicle maintenance and repair, so that your vehicle can always have good technical performance.

The authorized FAW Hongqi dealer has invested significantly in special tools and maintenance equipment, which helps to provide better service for you.

With the service concept of "efficient, reasonable and value-added", the authorized FAW Hongqi dealer is committed to thoroughly performing all maintenance items for your vehicle.

Rubber hoses (for cooling, heating, brake and fuel systems) should be checked by professionals in strict accordance with the maintenance schedule.

Rubber hoses will be degraded over time, which will cause expansion, wear or rupture. Therefore, if any signs of deterioration or damage are observed in the hoses, please immediately contact an authorized FAW Hongqi dealer for replacement.

■ Precautions for maintenance by yourself

Can the vehicle be maintained by yourself?

If you have abundant basic knowledge of vehicle structure, inspection and maintenance and some basic tools, you can perform routine inspection and maintenance yourself. Simple instructions for maintenance by yourself are covered in this section.

It should be reminded that some maintenance work requires special maintenance equipment and professional skills and it is preferably performed by a qualified technician. Even if you are an experienced professional technician, it is still recommended that you contact an authorized FAW Hongqi dealer for standardized repair and maintenance. The dealer will record the maintenance information of your vehicle and help you apply for warranty service.

■ Does your vehicle need to be repaired?

Pay attention to changes in the performance and sound of the vehicle, as well as visual warnings indicating maintenance requirements. Some important signs are provided below:

- Engine misfire, unstable operation or "bang" sound.
- Noticeable decrease in power.
- Abnormal sound of engine.
- Liquid leakage under the vehicle. (Water dripping after use of A/C and from the drain hole after cooling of the exhaust pipe is a normal phenomenon.)
- Change in the exhaust sound. (It indicates potential carbon monoxide leakage which is dangerous. In this case, open the windows and check the exhaust system immediately.)
- Flat tire, excessive tire noise during turning, or uneven tire wear.
- Pulling to one side during straight driving on a flat road.
- Abnormal sound related to the suspension component.
- Braking failure; soft brake pedal when being depressed; pedal almost touching the floor; pulling to one side during braking.
- Continuously high coolant temperature.

If you find any of the signs mentioned above, contact an authorized FAW Hongqi dealer for adjustment or repair as soon as possible.



WARNING

■ **Improper maintenance**

Improper maintenance may cause serious damage to the vehicle and serious personal injury or even death.

■ **Precautions for battery handling**

Battery terminals and related accessories contain lead and lead compounds which can cause brain damage.

Be sure to wash your hands after handling.

■ **Waste engine oil**

It is proven that the chemical substances in waste engine oil can cause cancer in laboratory animals. Avoid long-time repeated contact. To protect your skin, be sure to wash it thoroughly with soap and water.

Precautions for maintenance by yourself

If the maintenance is to be carried out by yourself, correct procedures below must be followed.

Item	Component and tool
Battery status (see P.354)	• Warm water • Baking soda • Grease • Common wrench (For terminal bolts)
Coolant level (see P.349)	• Automobile long-life coolant • Funnel (for adding coolant only)
Engine oil level (see P.346)	• Genuine engine oil or equivalent of FAW • Cleaning cloth or paper, funnel (For adding engine oil only)
Brake fluid level (see P.351)	• Genuine brake fluid of FAW • Cleaning cloth or paper, funnel (For adding brake fluid only)
Fuse (see P.369)	• Fuse of the same amperage rating as the original one
Radiator, condenser and intercooler (See P.350)	—
Tire pressure (see P.361)	• Tire pressure gauge • Compressed air source
Washer fluid (see P.353)	• Washer fluid with antifreeze (For use in winter) • Funnel

**WARNING**

Many machineries are installed in the engine compartment. They may rotate, get hot, or become energized suddenly. To avoid serious personal injury, please pay attention to the following matters.

■ **Handling parts in engine compartment**

- If it is necessary to run the engine when working under the hood, be sure to remove all jewelry (especially ring, bracelet, watch and necklace), bow tie, scarf and other loose clothing before approaching the engine or the electric fan that may run at any time.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. immediately after driving, as they may be very hot. Oil and other fluids may also be hot.
- Before opening the hood, be sure to shut down the engine, apply the EPB, set the shift lever to P position, turn off the engine switch, carry the key with you, and wait till the engine cools down.
- Keep hands, clothing and tools away from the rotating fan and engine drive belt.
- Do not leave any articles in the engine compartment.
After the inspection or maintenance in the engine compartment, do not leave any articles such as tool or cloth in it, otherwise engine damage or fire may occur, resulting in an accident.
- Do not smoke, generate sparks, or expose open flames in areas near the fuel or battery.
- Be especially careful when handling the battery. The battery contains poisonous and corrosive sulfuric acid.
- Be careful when handling the brake fluid as it may injure your hands or eyes and damage the paintwork. If the brake fluid spills on your hands or into your eyes, rinse the affected area with the fluid immediately with clean water. If you still feel unwell, seek medical attention.

■ **Working near electric fan or radiator grille**

Make sure that the engine switch is turned off. If the engine is turned on, the electric cooling fan may run automatically when the A/C is started or the coolant temperature is very high.

■ **Goggles**

Wear goggles to prevent objects from flying into your eyes or fluids from splashing into your eyes.

**CAUTION****■ Precautions after removal of air cleaner**

If the vehicle is driven with the air cleaner removed, dirt in the air may cause excessive wear of the engine. At the same time, backfire may also cause the engine compartment to catch fire.

■ Too low or high brake fluid level

The brake fluid level drops slightly when the brake pads are worn or the fluid level in the brake fluid reservoir is relatively high, which is normal. If the brake fluid reservoir needs to be filled with brake fluid frequently, it means that there may be a serious fault. In this case, contact an authorized FAW Hongqi dealer for vehicle inspection.

Particulate filter

The particulate filter filters out particulate matter from exhaust gas, and the particulate filter can clean itself under normal driving conditions (continuous driving at a speed of more than 30 km/h).

Long-term low speed driving, repeat low-temperature cold starting or long-term idling of vehicle may result in the excessive carbon load in the particulate filter, the particulate filter may not be able to clean itself and issue an alarm reminder.

- When GPF cleaning warning lamp  (green) on instrument cluster comes on, and multifunction display prompts "Exhaust air needs to be cleaned by driving, see the manual" simultaneously, it indicates that the particulate filter needs to be cleaned by driving. At this time, after warming up the engine (water temperature reaches 90 °C), the vehicle is accelerated to 60 km/h or more for normal driving.

Notice:

1. After driving according to the above method for a certain period of time, the GPF cleaning warning lamp  (green) will turn off and the cleaning is complete;
2. The required cleaning time may vary depending on vehicle condition (such as 0.5 hour to 1 hour or more);
3. To expedite the cleaning process, increase the vehicle speed and occasionally pressing the accelerator pedal deeply for acceleration;
4. When driving is not possible as described above, the vehicle speed should be increased as much as possible.

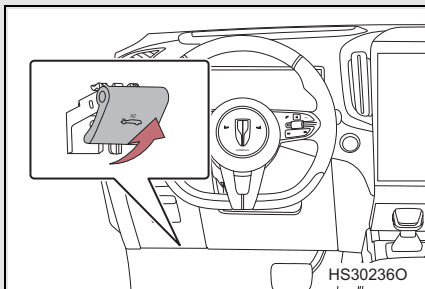
This process may take longer depending on vehicle condition, (e.g. driving for an hour).

- When GPF fault warning lamp  (yellow) on instrument cluster comes on, and multifunction display prompts "Please go to 4S store to clean exhaust air particulate filter" simultaneously, it indicates that the particulate filter cannot be cleaned effectively by driving, please immediately contact an authorized FAW Hongqi dealer for treatment.
- When GPF fault warning lamp  (yellow), and multifunction display prompts "Please go to 4S store to check and repair exhaust air particulate filter" simultaneously, it indicates that the carbon load in particulate filter has seriously exceeded the limit, please immediately contact an authorized FAW Hongqi dealer for treatment.

10-3. Maintenance by yourself

Engine hood

Open the hood through unlocking from the inside of the vehicle.



Pull the hood release handle in the vehicle twice to open the hood.



WARNING

■ Inspection before driving

Check that the hood is closed and locked.

If the hood is not locked properly, it may suddenly open during driving, which will cause an accident, resulting in serious personal injury.



CAUTION

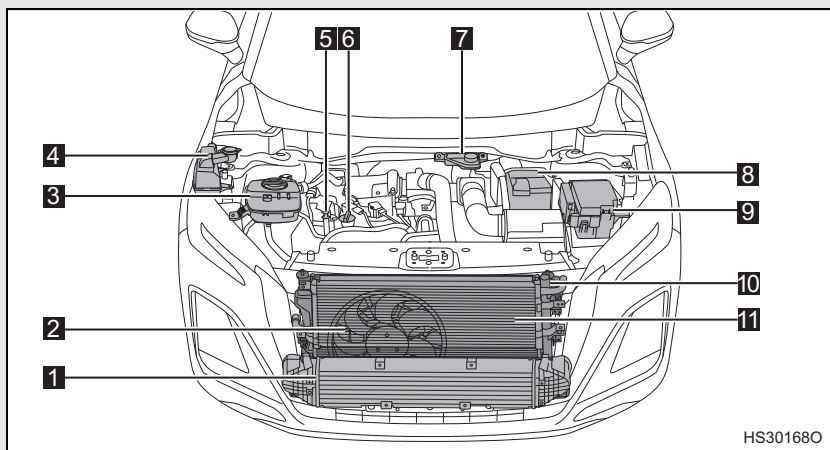
■ Closing hood

- Do not apply excessive force to prevent hood damage.
- Make sure that there are no items, such as tools left in the engine compartment before closing the hood.

10-3. Maintenance by yourself

Engine compartment

Due to different model configurations, the picture is for reference only.



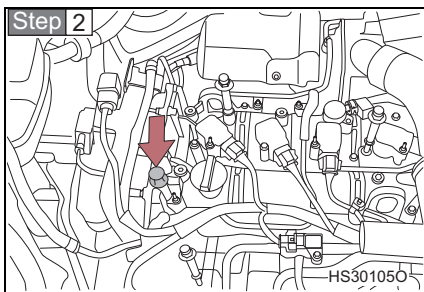
- 1** Intercooler
- 2** Cooling fan
- 3** Coolant reservoir
- 4** Windshield washer fluid reservoir
- 5** Dipstick
- 6** Oil filler
- 7** Brake fluid reservoir
- 8** Battery
- 9** Fuse box
- 10** Radiator
- 11** Condenser

Oil

Check the oil level when the engine is kept at the operating temperature and the engine switch is turned off.

■ Checking oil

Step 1 Park the vehicle on a flat ground. After shutting down the engine, wait more than 5 minutes to allow the oil to flow back to the bottom of the engine.

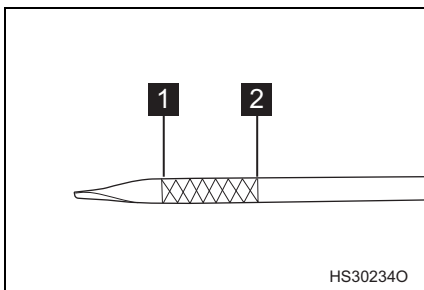


Place a piece of clean cloth under the end of the dipstick and pull out the dipstick.

Step 3 Wipe the dipstick.

Step 4 Fully reinsert the dipstick.

Step 5 Place a piece of clean cloth under the end of the dipstick, pull it out, and check the oil level.



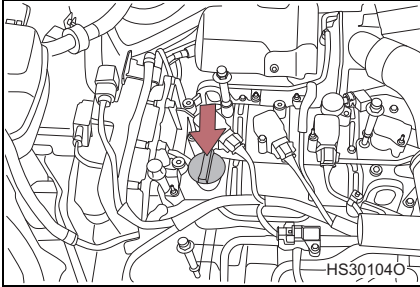
1 LOW

2 FULL

The oil level must be between LOW and FULL. Address any excess or insufficient oil promptly.

Step 6 Wipe the dipstick clean before fully reinserting it.

■ Adding oil



If the oil level is below or near the LOW mark, add oil of the same grade as that in the engine.

Before adding oil, be sure to determine the oil grade and prepare the necessary articles.

Step 1 Unscrew the oil filler cap by turning it counterclockwise.

Step 2 Add oil slowly, and check the dipstick.

Step 3 Install the oil filler cap, and turn it clockwise until it is tightened.

■ Recommended oil grade

It is recommended to use 5W-30 oil.

Do not use the engine oil with high viscosity at a very low temperature, otherwise it may be difficult to start the engine. It is recommended that you use the oil of the recommended graded according to the need of your vehicle.

For more details, consult an authorized FAW Hongqi dealer.

■ Oil consumption

A certain amount of engine oil is consumed during driving. Oil consumption may increase and engine oil may need to be re-added during maintenance when:

- A new engine is used, e.g. after a new vehicle is purchased or the engine is replaced
- When using oil of low quality or improper viscosity
- The engine is running at high speed, or the vehicle is driven under heavy load or frequent acceleration or deceleration
- The engine is idling for a long time, or the vehicle is frequently driven on congested roads



WARNING

■ Precautions for disposal of waste oil

- Waste oil contains potentially hazardous substances that can cause diseases such as dermatitis and skin cancer, therefore, be sure to avoid long-time or frequent contact with oil. Thoroughly wash it off your skin with soap and water.
- Always dispose of waste oil and oil filter in a safe manner that complies with the environmental protection regulations. Do not dispose of waste oil and oil filter in the domestic garbage, in sewers or on the ground. For information on oil recycling or disposal, consult an authorized FAW Hongqi dealer.
- Do not keep waste oil within the reach of children.



CAUTION

■ Preventing serious damage to engine

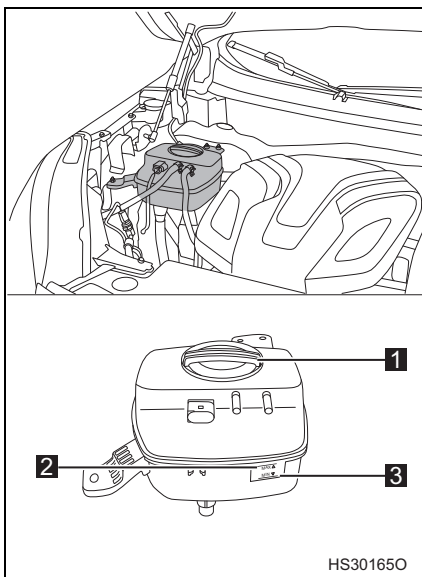
Regularly check the oil level.

■ Precautions for oil change

- Do not splash oil on the parts of the vehicle. If oil is poured on the engine gear train, it is necessary to thoroughly clean it and replace the belt; Oil spills at other positions in the engine needs to be cleaned with detergent to ensure that there is no oil residue.
- Do not overfill the oil, otherwise the engine will be damaged.
- Check the oil level on the dipstick every time you add oil to the vehicle.
- Make sure that the oil filler cap is tightened properly.

Coolant

If the coolant level in the coolant reservoir is between the "MAX" (highest) and "MIN" (lowest) marks, it is normal.



- 1 Reservoir cover
- 2 "MAX" (highest)
- 3 "MIN" (lowest)

If the coolant level is below the "MIN" mark, add the coolant to the normal level.

■ Decrease of coolant level shortly after the coolant is added

Visually check the components such as radiator, coolant reservoir and cooling pipe.

If no leakage is found, contact an authorized FAW Hongqi dealer for inspection of the cooling system.

■ Selecting coolant

Use the automobile long-life coolant throughout the year.

For more details of coolant, contact an authorized FAW Hongqi dealer.

 WARNING

■ **High coolant temperature or hot radiator/condenser**

- Do not add coolant, because hot coolant is very dangerous and may cause scalding.
- Do not remove the coolant reservoir cover.
There may be pressure inside the cooling system, therefore, hot coolant may be sprayed out after the coolant reservoir cover is removed, causing scalding or other injuries.

 CAUTION

■ **Adding coolant**

Add the coolant specified by FAW to ensure normal anti-corrosion and cooling performance.

Please read the instructions on the label of the coolant.

■ **Accidental splashing of coolant**

Always remove the coolant with water to avoid damaging the parts or paint.

Radiator, condenser and intercooler

Check the radiator, condenser and intercooler, and remove all foreign matters.

If the radiator, condenser or intercooler is particularly dirty or abnormal, contact an authorized FAW Hongqi dealer for vehicle inspection.

 WARNING

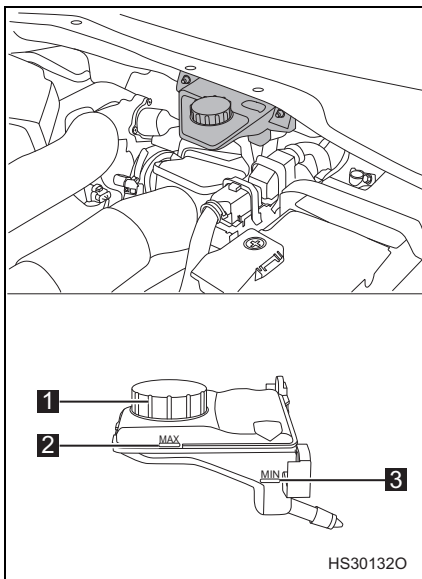
■ **Engine at high temperature**

Do not touch the radiator, condenser and intercooler to prevent scalding.

Turbocharged engine

- Check, remove or replace the turbocharger only after shutdown of the engine and cooling of the turbocharger.
- Do not drop any oil on a hot turbocharger surface, otherwise a fire may be caused.
- Do not cool the turbocharger by splashing water on its hot surface, otherwise it may be damaged.
- After the turbocharged engine is started, it is recommended to run it at idle speed for 3 minutes to ensure that the turbocharger is lubricated properly.

Brake fluid



1 Brake fluid reservoir cover

2 "MAX" (highest)

3 "MIN" (lowest)

If the brake fluid level is below the "MIN" mark, add the brake fluid to the normal level.



WARNING

■ Precautions for addition of brake fluid

- It is very dangerous if the brake fluid is sprayed out. If the brake fluid enters the eyes, rinse them with plenty of water, and seek medical attention immediately.
- Do not spray the brake fluid onto your body or the electrical parts in the engine compartment, otherwise it is likely to cause personal injuries or a fire.

■ Too low brake fluid level

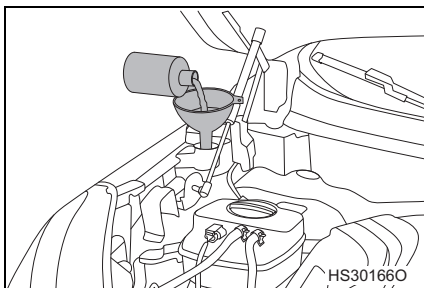
- It is very dangerous if the brake fluid level is too low. A too low fluid level indicates wear of the brake lining or leakage of the brake system. The brake may fail, resulting in a serious accident. If the fluid level is too low, check the brake.
- If the fluid level is too low, add the brake fluid until it reaches the "MAX" mark. Before adding the brake fluid, thoroughly clean the parts around the brake fluid reservoir cover.



CAUTION

- The brake fluid will damage the paintwork. If the brake fluid is accidentally splashed onto the paintwork, wipe it off immediately.
- Using non-specified brake fluid can lead to damage in the system. Additionally, mixing different types of brake fluid may cause damage to the system.
- If the brake fluid needs to be added or changed, consult an authorized FAW Hongqi dealer.

Washer fluid



If any of the washers does not work or an alarm message appears on the multi-function display of the instrument cluster, the washer fluid reservoir may be empty. In this case, add the washer fluid in time.

WARNING

■ **Adding washer fluid**

Do not add the washer fluid when the engine is hot or running. Otherwise, if the washer fluid splashes on the engine, a fire may be incurred by the alcohol in the washer fluid.

CAUTION

■ **Do not use any fluids other than the washer fluid**

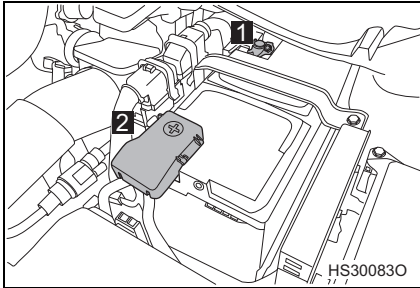
Do not substitute soapy water or coolant for washer fluid, otherwise it may result in damage to the paintwork.

■ **Diluting washer fluid**

If necessary, dilute the washer fluid with water.

Refer to the freezing temperature indicated on the label of the washer fluid reservoir.

Battery



Make sure that there is no corrosion on battery terminals, no looseness in connections, no cracks in external parts, and no looseness in fixing clips.

1 Negative terminal

2 Positive terminal

■ Precautions during installation

- When connecting the battery, avoid connecting the terminal cables reversely, otherwise the electrical equipment in the vehicle may be damaged.
- During storage, transportation and installation of the battery, prevent the positive and negative terminals from contacting with each other. For example, the metal wrench for connecting is likely to touch the positive and negative terminals at the same time. In this case, the battery may be short-circuited, causing a direct failure.
- Due to the small vent holes in the battery, do not place it on its side or upside down during storage, handling and installation, to avoid leakage of electrolyte.
- Replace the battery with the one of the same model.
- If the wiring clips are oxidized or dirty when the battery is replaced, remove the oxide layer or dirt with sandpaper, and apply Vaseline to the wiring clips and battery terminals before connecting.
- During installation, connect the positive terminal and then the negative terminal, and during removal, disconnect the negative terminal and then the positive terminal, to avoid the risk of short circuit.

■ Precautions before charging

Pay attention to the following matters before charging:

- When charging the battery installed on the vehicle, be sure to turn off the engine switch and disconnect the ground wire.
- When connecting or disconnecting the charger cable to/from the battery, make sure that the power switch on the charger is turned off.

■ Precautions during use

- Pay attention to keep the air outlet of the battery clean to avoid blockage.
- Charge the battery in the following conditions:
 - Frequent short-time use or frequent starts of the vehicle.
 - Frequent driving on congested roads.
 - A high number of electrical devices being used in the vehicle.
 - Frequent driving at night.
 - No use of the vehicle for a long time.
 - Failure to turn off the lamp after parking.
 - Failure to close the doors tightly during parking.
 - Long-time use of the A/C, audio, lamp and other electrical equipment without starting the engine.
- If the vehicle is stored for more than 30 days, perform the following operations to maintain the normal charging state of the battery:
 - Disconnect the negative terminal ground wire of the battery to prevent battery discharge caused by additional current discharge.
 - Charge the battery once every 20-45 days.
 - Before the normal use of the vehicle, connect the power supply and keep the vehicle still for a certain period of time to ensure that the idle stop-start function works normally.

■ Power management system

- When the battery power is low, the system will limit some comfort functions to ensure the starting performance of the vehicle. At this time, these functions will not work according to the working state set by the user. Once the battery power is restored to a safe range, the limited comfort functions will automatically return to the state set by the user.
- The power management system can adjust the output voltage of the generator in real time, obtain the battery status information and control the optimal charging voltage to reduce the fuel consumption appropriately while improving the power performance of the vehicle.

**WARNING**

■ **Chemical substances in the battery**

The battery contains toxic corrosive sulfuric acid and may generate flammable and explosive hydrogen gas. To reduce the possibility of serious personal injury, be sure to observe the following precautions when handling the battery or working near it:

- Do not allow tools to contact battery terminals, so as to avoid sparks.
- Do not smoke or use open flames near the battery.
- Avoid splashing electrolyte into eyes and on skin or clothing.
- Do not inhale or swallow electrolyte.
- Wear goggles when working near the battery.
- Keep children away from the battery.

■ **Safe place for battery charging**

Charge the battery in an open place. Never charge it in a poorly ventilated garage or an enclosed place.

■ **Emergency measures for handling of electrolyte**

- Accidental splashing of electrolyte into eyes
Rinse your eyes with water for at least 15 minutes and seek medical attention immediately. If possible, continue to wash your eyes with a piece of absorbent sponge or cloth on the way to hospital.
- Splashing of electrolyte on skin
Thoroughly wash the part on which electrolyte is splashed. If you have a burning sensation, seek medical attention immediately.
- Splashing of electrolyte on clothing
Electrolyte may penetrate clothing and contact with the skin. Take off clothing promptly and adopt the above measures if necessary.
- Accidental swallowing of electrolyte
Drink plenty of water or milk, take magnesia lotion, agitated raw eggs or vegetable oil, and seek medical attention immediately.

■ **Do not disconnect the negative (-) terminal on the body side**

The disconnected negative (-) terminal may come into contact with the positive (+) terminal, resulting in a short circuit and serious injury or even death.

**CAUTION****■ Precautions for battery charging**

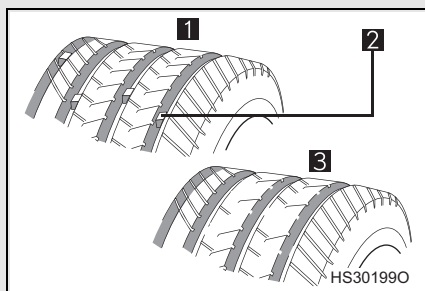
Do not charge the battery when the vehicle is started. Be sure to turn off all accessories.

10-3. Maintenance by yourself

Tire

Replace the tire or perform tire rotation according to the wear condition of the tread.

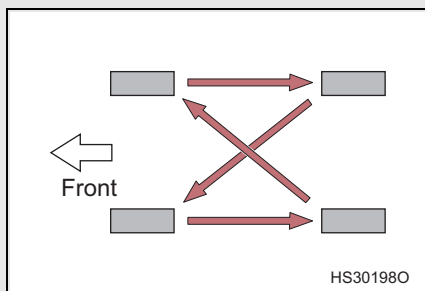
■ Tire inspection



- 1 New tread
- 2 Tread wear indicator
- 3 Worn tread

If the tread pattern wears down to the tread wear indicator surface, replace the tire (the picture is for reference only).

■ Tire rotation



Perform tire rotation as shown in the figure.

It is recommended to perform tire rotation every 8,000~10,000 km to achieve even tire wear and extend the tire life.

Note:

After the tire rotation, it is necessary to configure the tire pressure monitoring system. Contact an authorized FAW Hongqi dealer if necessary.

■ Measures for protection against wheel fault

- When driving over curbs or similar obstacles, keep a slow speed in the vertical direction of the obstacles as much as possible.
- Be careful not to let the tires contact with grease, oil and fuel.
- Regularly check the damage of tires (such as splitting, crack or bulging), and remove debris embedded in the grooves of the tire pattern.

■ Precautions for tire storage

- Before removing the tire, mark the tire to indicate the rolling direction, and refit the tire and align it with the mark to maintain the rotation direction and the dynamic balance of the wheel.
- Store the removed wheels and tires in a cool and dry place, preferably in a dark place not exposed to direct sunlight.

■ Hidden damage

- Damage to tires and rims often occurs in a hidden way, and abnormal vibration or deviation of the vehicle during driving may indicate a faulty wheel. In this case, drive the vehicle to an authorized FAW Hongqi dealer for inspection of wheels as soon as possible.

■ When to replace the tire

Replace the tire when:

- The tire has any defect such as cut, fracture, crack with exposed fabric ply or bulging.
- The tire leaks frequently or cannot be repaired due to other damage.

■ Tire life

Avoid using tires that have been in use for six years, and if you have to use them, drive at low speed with extreme caution.

■ Precautions for driving on snowy roads

If the tread of snow tires is worn by 4 mm or more, the anti-skid performance of snow tires will be significantly reduced.



WARNING

■ **Precautions for tire inspection or replacement**

To avoid transmission part damage which will affect the control performance of the vehicle, be sure to observe the following precautions:

- Do not use tires from different manufacturers, of different models and with different tread patterns or tread wear degrees.
- Do not use tires not recommended by FAW.
- Do not mix tires with different structures such as radial, bias-belted and bias-ply tires in use.
- Do not mix summer tires, all-season tires and winter tires.
- Do not use tires that have been used on other vehicles.



CAUTION

■ **Driving on uneven roads**

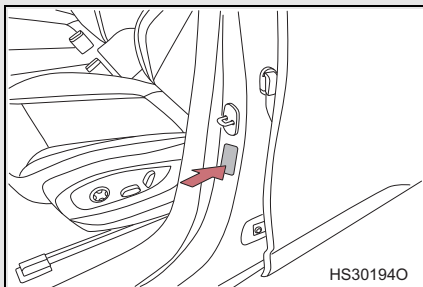
When the vehicle is driven on soft or bumpy roads, extra care shall be taken. On such roads, tires are prone to bulging due to impact, and they may be damaged eventually.

■ **Decreased tire pressure during driving**

Do not continue driving, as this may result in complete tire and/or wheel damage.

Tire pressure

Be sure to maintain a proper tire pressure. Check the tire pressure at least once a month.



The tire pressure label is located under the B-pillar lock pin on the driver's side.

■ Consequences of incorrect tire pressure

Too low tire pressure:

- Increased rolling resistance leads to increased fuel consumption.
- The maneuverability and stability of the vehicle are reduced.
- Damage and high temperature may be caused, resulting in tire burst. When the tire pressure is seriously insufficient, the tire may be detached from the rim, reducing the safety.
- The tire is worn on both sides.

Too high tire pressure:

- The comfort of the vehicle is reduced.
- The middle of the tire is worn excessively.
- The tire is prone to internal crack and burst when being impacted.

■ Guidelines for tire pressure inspection

Even if your vehicle is equipped with a tire pressure monitoring system that can remind you of the tire pressure status in time, please check the tire pressure in time.

When checking the tire pressure, please observe the following precautions:

- Check the tire only after it has cooled down.

If the vehicle has been parked for at least 3 hours, or has not driven for more than 1.5 km, carry out the inspection to obtain the accurate tire pressure reading.

- Always use a tire pressure gauge.

The tire appearance may sometimes be misleading. Additionally, the riding comfort and maneuverability may be reduced even if the tire pressure is relatively low.

- Do not deflate or depressurize the tire after driving. The tire pressure may increase after driving, which is normal.
- Do not overload the vehicle.

The weight of the driver, passengers and luggage should be evenly distributed to keep the vehicle balanced.



WARNING

■ **Correct inflation is the key to tire protection**

Be sure to maintain a proper tire pressure, otherwise the following conditions may occur:

- Excessive wear
- Uneven wear
- Poor maneuverability
- Tire burst after overheating
- Bead sealing performance degradation
- Wheel deformation or detachment of the tire from the wheel
- Potential tire damage due to poor road conditions

■ **Do not drive the vehicle at an improper tire pressure**

It is dangerous to drive the vehicle with improper tire pressure. An improper tire pressure may affect the maneuverability and result in an accident.



CAUTION

■ **Precautions for inspection and adjustment of tire pressure**

Be sure to reinstall the tire valve cap.

If the valve cap is not installed, dirt or moisture may enter the valve and cause air leakage, resulting in an accident.

If the valve cap is missing, install a new one as soon as possible.

Wheel

If the rim is bent, cracked or severely corroded, replace it. Otherwise, the tire may be detached from the rim or you may lose control of the vehicle.

■ Selecting wheel

When replacing the wheel, ensure that the newly installed wheel matches the original in terms of bearing capacity, diameter, rim width and offset.

The wheel for replacement can be provided by an authorized FAW Hongqi dealer.

FAW recommends not to use the following types of wheels:

- Wheels of different sizes or types.
- Old wheels.
- Bent wheels that have been calibrated.

■ Considerations for aluminum wheel

- Be sure to use the wheel bolts and wrench specially designed for the aluminum wheel.
- When performing tire rotation, maintenance or replacement, check and confirm the tightness of the wheel bolts.
- When tire chains are used, be careful not to damage the aluminum rim.
- Only use the balance weight or equivalent product specified by FAW to balance the wheel.



WARNING

■ **Replacing wheel**

Do not use the wheel of a different model than the original one installed on the vehicle, otherwise you may lose control of the vehicle.

■ **Installing wheel bolt**

- Tighten the wheel bolt until the spherical part comes into contact with the wheel bolt seat of the rim.
- Never apply oil or grease to wheel bolts.

Oil and grease may over-tighten the wheel bolts, resulting in damage to the wheel bolt threads. In addition, oil or grease may cause wheel bolts to get loose and cause the wheel to fall off, thus causing accidents, serious injury or even death. Please remove all oil or grease from wheel bolts.

■ **Do not use defective wheels**

Do not use cracked or deformed wheels.

Otherwise, tires may leak during driving, resulting in an accident.

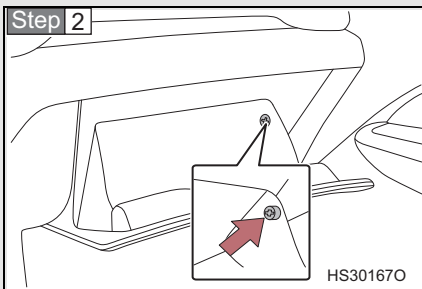
10-3. Maintenance by yourself

A/C filter

Regularly replace the A/C filter to maintain the A/C efficiency.

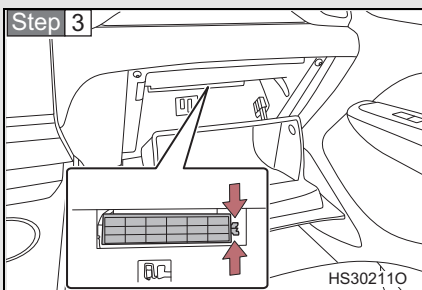
■ Replacing A/C filter

Step 1 Turn off the engine switch.

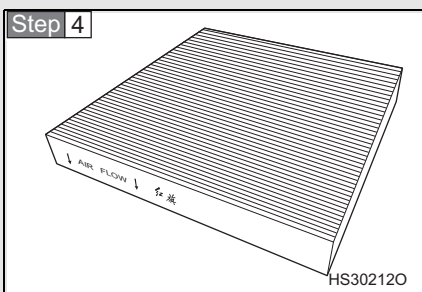


Open the glove box.

Remove the plastic fixing bolts on the left and right sides of the glove box, detach the limiter, and pull down the glove box to the position where the filter can be removed.



Remove the A/C filter cover and filter, and replace the filter with a new one.



Install a new A/C filter of the same model.

The arrow mark on the filter should face toward the area under the vehicle.

■ **Replacement interval of A/C filter**

In dusty or heavy traffic areas, the replacement interval may need to be shortened.

■ **Significant reduction of airflow at air vent**

The filter may be blocked. Check the filter, and replace it if necessary.

■ **A/C filter**

If the filter needs to be cleaned or replaced, please contact an authorized FAW Hongqi dealer.



CAUTION

■ **Using A/C system**

Make sure that the filter is installed.

If the A/C system is used without a filter, it may be damaged.

■ **Removing filter**

Do not replace the A/C filter when the blower is working, otherwise personal injuries may be caused.

10-3. Maintenance by yourself

Replacing key battery

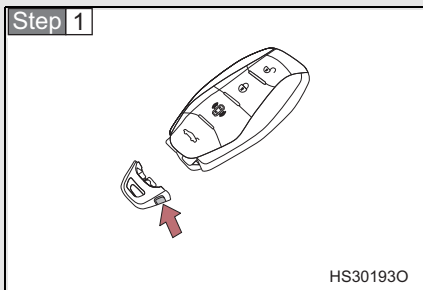
If the battery power of the smart key is low, replace the battery with a new one.

■ The following part is required:

- CR2032 lithium battery

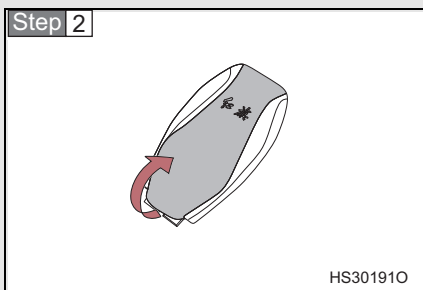
■ Replacing smart key battery

Step 1



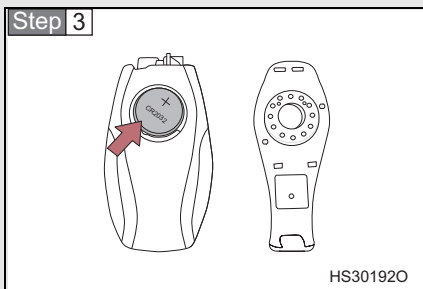
Press the unlock button to detach the key end cover.

Step 2



Detach the rear cover of the key.

Step 3



1 Take out the old battery.

Insert a new battery with the + terminal facing upward.

2 Return the rear cover and end cover of the key to the original positions.

■ **If the battery power of the smart key is low, the following conditions may occur**

- Failure of wireless remote control function.
- Reduction of effective range.
- Failure of PEPS function.
- Failure of smart start function.

■ **Using CR2032 lithium battery**

- It is recommended to replace the battery with the same or equivalent product recommended by an authorized FAW Hongqi dealer.
- Always dispose of the old battery in accordance with the local laws and regulations.



WARNING

■ **Replaced battery and other parts**

Keep the parts out of reach of children.

These small parts may cause suffocation if swallowed by children.



CAUTION

■ **To ensure that the remote control key can work normally after the battery is replaced**

Be sure to observe the following precautions to avoid an accident.

- Always dry your hands before operating the smart key to prevent rusting of the battery.
- Do not touch or move any other parts inside the remote control key.
- Do not bend the battery terminals.

10-3. Maintenance by yourself

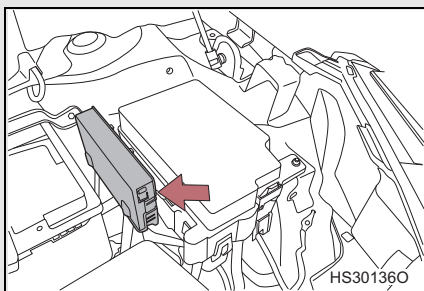
Checking and replacing fuse

If any electrical component fails to work, a fuse may be blown. In this case, check and replace the fuse if necessary.

Step 1 Turn off the engine switch.

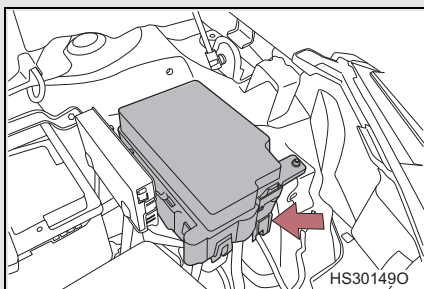
Step 2 The fuses are located in the following positions. Check the fuses as follows.

■ Engine compartment (A-type)



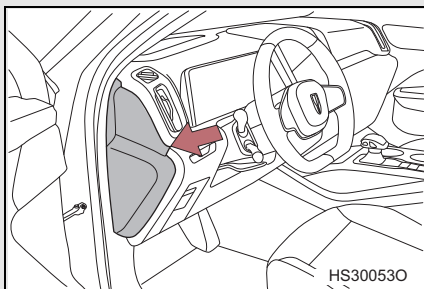
Press the fixing clip, and open the cover.

■ Engine compartment (B-type)



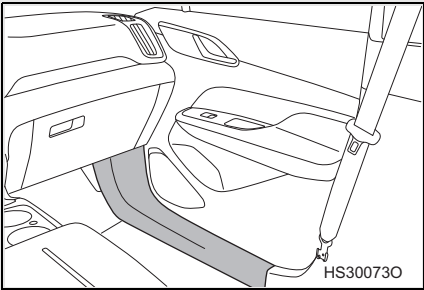
Press the fixing clip, and open the cover.

■ Driver's instrument panel



Remove the left cover of instrument panel.

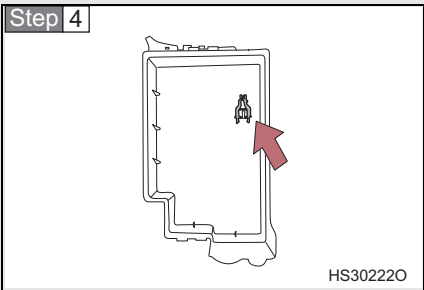
■ Right front door sill trim panel



Remove the right front door sill trim panel.

It is recommended to contact an authorized FAW Hongqi dealer for replacement of the fuse in this position.

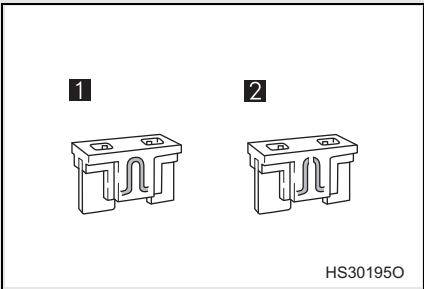
Step 3 After a system fault occurs, contact an authorized FAW Hongqi dealer to inquire about the fuses that need to be checked.



Remove the fuse with the auxiliary removal tool.

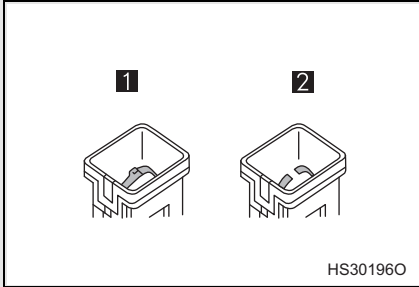
Step 5 Check whether the fuse is blown.

► A-type



- 1** Normal fuse
- 2** Blown fuse

► B-type



1 Normal fuse

2 Blown fuse

Replace the fuse with a new fuse of the amperage rating approved by FAW.

■ **Distribution and amperage rating of fuses**

For the distribution and amperage rating of fuses, please contact an authorized FAW Hongqi dealer for confirmation.

■ **Precautions after fuse replacement**

- If the electrical function still does not work after the fuse is replaced, further inspection may be required. Contact an authorized FAW Hongqi dealer.
- If the newly installed fuse blows out again, contact an authorized FAW Hongqi dealer for inspection of the vehicle.

■ **Circuit overloading**

The fuse will blow out, possibly damaging the entire harness.

**WARNING**■ **Preventing system fault or vehicle fire**

Be sure to observe the following precautions, otherwise vehicle damage, fire or personal injury may be caused.

- Do not use a fuse with an amperage rating higher or lower than specified.
- Be sure to use the same or equivalent product recommended by an authorized FAW Hongqi dealer.
Do not substitute the fuse with a wire, even temporary replacement is strictly prohibited, otherwise serious damage or even a fire may be caused.
- Do not modify the fuse or fuse box.



CAUTION

■ **Precautions before fuse replacement**

Contact an authorized FAW Hongqi dealer to determine the cause of excessively high electrical load and have the vehicle repaired.

10-4.Specifications

Maintenance data

Dimensions

Model No.: CA6470HA6T, CA6470HA6TX

Overall length		4,655 mm
Overall width		1,900 mm
Overall height		1,668 mm
Front overhang		915 mm
Rear overhang		970 mm
Wheelbase		2,770 mm
Wheel track	Front	19 inch: 1,624 mm 20 inch: 1,624 mm
	Rear	19 inch: 1,630 mm 20 inch: 1,630 mm
Approach angle (no load)		19°
Departure angle (no load)		21°

Seating capacity

Model No.: CA6470HA6T, CA6470HA6TX

Seating capacity	5
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Drive mode

Model No.: CA6470HA6T

Drive mode	FF
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Model No.: CA6470HA6TX

Drive mode	F4
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Vehicle mass

Model No.: CA6470HA6T

Curb weight		1,660 kg
Gross vehicle weight		2,110 kg
Axle load (full load)	Front	1,096 kg
	Rear	1,014 kg

Model No.: CA6470HA6TX

Curb weight		1,790 kg
Gross vehicle weight		2,240 kg
Axle load (full load)	Front	1,159 kg
	Rear	1,081 kg

Emission standard

Model No.: CA6470HA6T, CA6470HA6TX

Emission standard	China VI B
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Vehicle fuel consumption under specified test conditions

Model No.: CA6470HA6T

Engine model	CA4GB15TD-30
Combined fuel consumption for WLTC standard	6.8 L/100 km
Fuel economy for SASO standard	18.7 km/L

Model No.: CA6470HA6TX

Engine model	CA4GC20TD-35
Combined fuel consumption for WLTC standard	7.5 L/100 km
Fuel economy for SASO standard	17 km/L

CAUTION

■ WLTC/SASO standard

- Due to different standards implemented in different countries/regions, the tested fuel consumption of the vehicle may vary. Please check the fuel consumption information according to the local implementation standards.

Vehicle performance

Model No.: CA6470HA6T

Maximum net power/rpm	118 kW/5,500 r/min
Rated power/rpm	124 kW/5,500 r/min
Maximum output torque/rpm	258 N·m/(1,500-4,350) r/min
Maximum gradeability	30%
Maximum speed	180 km/h

■ Model No.: CA6470HA6TX

Maximum net power/rpm	180 kW/5,500 r/min
Rated power/rpm	185 kW/5,500 r/min
Maximum output torque/rpm	380 N·m/(1,800- 4,000) r/min
Maximum gradeability	30%
Maximum speed	210 km/h

■ Front wheel alignment (no load)

■ Model No.: CA6470HA6T, CA6470HA6TX

Front wheel camber	-31'±30'
Kingpin caster angle	7°12'±30'
Kingpin inclination angle	14°20'±45'
Front wheel toe-in	$\beta=6'\pm5'$ $2\beta=12'\pm10'$

■ Rear wheel alignment (no load)

■ Model No.: CA6470HA6T

Rear wheel camber	-41'±45'
Rear wheel toe-in	$\beta=3'\pm5'$ $2\beta=6'\pm10'$

■ Model No.: CA6470HA6TX

Rear wheel camber	-43'±45'
Rear wheel toe-in	$\beta=4'\pm5'$ $2\beta=8'\pm10'$

Suspension

■ Model No.: CA6470HA6T

Front suspension	Type		McPherson independent suspension
	Type of spring		Spiral spring
	Type of shock absorber		Double-cylinder hydro-pneumatic shock absorber
	Stabilizer bar	Type	Hollow stabilizer bar
		Diameter	Φ28.4 mm
Rear suspension	Type		Multi-link independent suspension
	Type of spring		Spiral spring
	Type of shock absorber		Double-cylinder hydro-pneumatic shock absorber
	Stabilizer bar	Type	Hollow stabilizer bar
		Diameter	Φ23.6 mm

■ Model No.: CA6470HA6TX

Front suspension	Type		McPherson independent suspension
	Type of spring		Spiral spring
	Type of shock absorber		Double-cylinder hydro-pneumatic shock absorber
	Stabilizer bar	Type	Hollow stabilizer bar
		Diameter	Φ28.4 mm
Rear suspension	Type		Multi-link independent suspension
	Type of spring		Spiral spring
	Type of shock absorber		Double-cylinder hydro-pneumatic shock absorber
	Stabilizer bar	Type	Hollow stabilizer bar
		Diameter	Φ24.2 mm

■ Specifications for new vehicle running-in

The new vehicle running-in mileage is 1,500 km. When driving within the first 1,000 km, the engine speed should not be higher than 3/4 of the rated speed; From 1,000 to 1,500 km, the engine speed can be increased according to road conditions until the rated speed is reached.

Vehicle identification

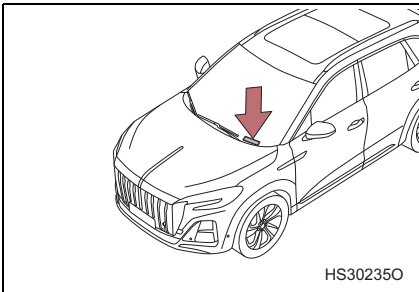
■ Manufacturer's nameplate

The location of the manufacturer's nameplate varies slightly depending on the vehicle configuration and is located on the left/right B-pillar.

■ Vehicle identification number

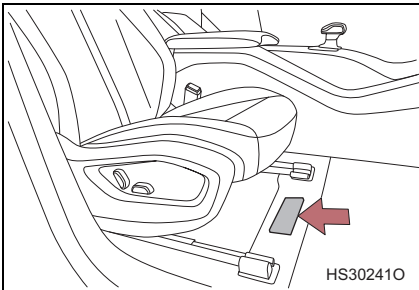
The vehicle identification number (VIN) is the legal identification of the vehicle. As the primary identification number, the VIN is used for owner registration.

► Top left of the instrument panel



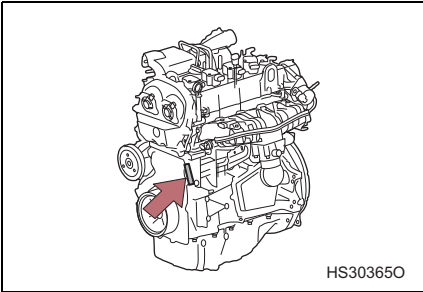
It is affixed under the windshield at the top left of the instrument panel.

► Under the front passenger's seat



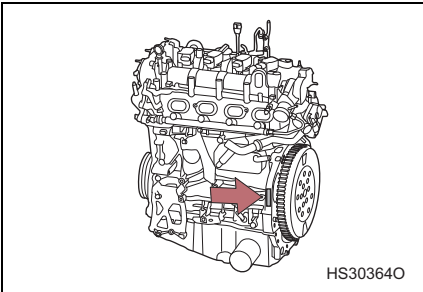
It is engraved under the front passenger's seat.

- Engine model and factory number
 - ▶ CA4GB15TD-30 engine



As shown in the figure, the engine number is engraved on the cylinder block.

- ▶ CA4GC20TD-35 engine



As shown in the figure, the engine number is engraved on the cylinder block.

Engine

Model	CA4GB15TD-30, CA4GC20TD-35
Type	In-line, four-cylinder, four-stroke, water-cooled, double overhead camshaft, 16-valve, variable camshaft timing (VCT), GDI, turbocharged gasoline engine
Bore × stroke	▶ CA4GB15TD-30 engine 76.5 × 81.5 mm ▶ CA4GC20TD-35 engine 82.5 × 93 mm
Displacement	▶ CA4GB15TD-30 engine 1.498 L ▶ CA4GC20TD-35 engine 1.989 L

Fuel

Model No.: CA6470HA6T, CA6470HA6TX

Fuel type	Gasoline
Octane number	95 or above
Fuel tank capacity (for reference)	64 L

Lubrication system

CA4GB15TD-30 engine

Oil capacity (refill after draining)	5.2 ± 0.1 L
Filling volume after change of oil and replacement of oil filter	4.8 ± 0.1 L
Filling volume after independent change of oil	4.5 ± 0.1 L
Oil grade	Dedicated oil for FAW turbocharged direct injection gasoline engine (1009100-13L)
Oil viscosity	5W-30

CA4GC20TD-35 engine

Oil capacity (refill after draining)	6.0 ± 0.1 L
Filling volume after change of oil and replacement of oil filter	5.3 L
Filling volume after independent change of oil	5 L
Oil grade	Dedicated oil for FAW turbocharged direct injection gasoline engine (1009100-13L)
Oil viscosity	5W-30

Cooling system

■ Model No.: CA6470HA6T, CA6470HA6TX

Capacity	9.4 ± 0.5 L
Coolant type	Use the automobile long-life coolant throughout the year (G30-91)

Ignition system

■ CA4GB15TD-30 engine

Spark plug	3707010A27L
Spark plug gap	0.7 mm

■ CA4GC20TD-35 engine

Spark plug	370701027LA
Spark plug gap	0.6 - 0.7 mm

Electrical system

■ Model No.: CA6470HA6T, CA6470HA6TX

Battery	12 V, 70 Ah maintenance-free battery
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A/C refrigerant

■ Model No.: CA6470HA6T, CA6470HA6TX

A/C refrigerant capacity	755 ± 15 g
A/C refrigerant specification	R134a

Transmission

Model No.: CA6470HA6T

Transmission type	DCT
Transmission fluid capacity	5 L
Transmission fluid type	Castrol BOT 351 C4

Model No.: CA6470HA6TX

Transmission type	8AT
Transmission fluid capacity	6.3 L
Transmission fluid type	AW-1

 CAUTION

■ **Automatic transmission fluid**

- If the non-specified automatic transmission fluid is used, the gearshift effect will be poor or the clutch plate in the transmission will be burnt.
- Change the automatic transmission fluid only when necessary.

Power takeoff

Model No.: CA6470HA6TX

Power takeoff oil capacity	0.30 ± 0.02 L
Power takeoff oil specification	SAE 80W 90 Sinopec ultra automotive gear oil

Coupler

■ Model No.: CA6470HA6TX

Coupler oil capacity	0.63 ± 0.03 L
Coupler oil specification	Castrol HALBOT 311

Rear final drive oil

■ Model No.: CA6470HA6TX

Final drive oil capacity	0.440 ± 0.030 L
Final drive oil specification	80W/90 GL-5

Brake system

■ Model No.: CA6470HA6T, CA6470HA6TX

Free travel of brake pedal	≤ 10.4 mm
Travel of brake pedal	119.6 mm
Brake fluid capacity	0.54 ± 0.1 L
Brake fluid type (In accordance with GB 12981-2012)	DOT4

Reasonable usable range of brake linings

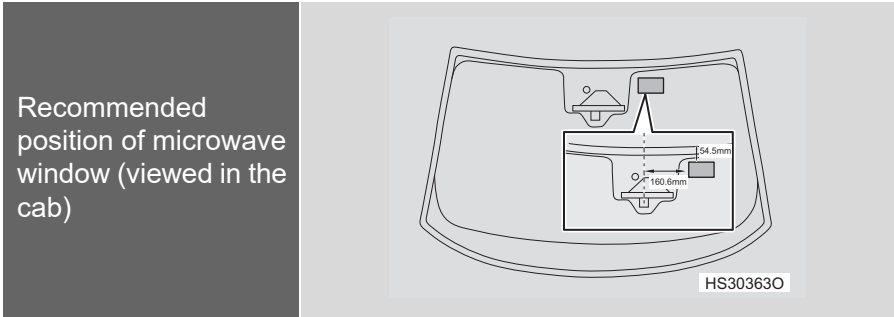
► Front

Thickness of brake pad	Standard	Total 18.7 mm	Thickness of friction material 11.5 mm
	Minimum	Total 9.2 mm	Thickness of friction material 2 mm
Thickness of brake disc	Standard	30 mm	
	Minimum	28 mm	

► Rear

Thickness of brake pad	Standard	Total 15.9 mm	Thickness of friction material 10 mm
	Minimum	Total 7.9 mm	Thickness of friction material 2 mm
Thickness of brake disc	Standard	10 mm	
	Minimum	8 mm	

Microwave window



Tires and wheels

Tire specifications	235/55R19		235/50R20	
Wheel dimensions	19×7.5J		20×7.5J	
Tire pressure kPa (bar)		3 persons	ECO	Full load
	Front	230 (2.3)	270 (2.7)	260 (2.6)
	Rear	230 (2.3)	270 (2.7)	260 (2.6)
Wheel bolt torque	(160 ± 10) N·m			
Requirements for wheel dynamic balance	Inner and outer residual unbalance: ≤ 8 g			

Seat (when the seat cushion is deep)

Front seat	Longitudinal position (forward from the limit position at the rear end of the slide rail)	76 mm
	Seat back reclining	25° ± 2°
Rear seat	Longitudinal adjustment	Not adjustable
	Seat back reclining	25° ± 2°

Normal use state of the seat back: The seat back in any locking position within the range of adjustable travel is in normal use state.

10-4. Specifications

Fuel information

Only automobile unleaded gasoline can be used for the vehicle.

To achieve the best engine performance, be sure to use 95# (or above) automobile unleaded gasoline.

To ensure the exhaust emission performance and fault diagnosability, it is recommended to use gasoline that complies with the standards specified in each country or region.

■ Special fuel filler for automobile gasoline

In order to prevent improper fuel from being added, the fuel filler of the vehicle can only accommodate the special refueling gun of the automobile gasoline pump.

■ Engine knocking

- Contact an authorized FAW Hongqi dealer.
- A short and small knocking sound is occasionally heard during acceleration or climbing. This is normal, so don't worry.



CAUTION

■ Precautions for fuel quality

- Do not use improper fuel. Otherwise the engine may be damaged.
- The use of improper fuel will cause a fault in the engine or exhaust monitoring system.
- If improper fuel is accidentally added, be sure to thoroughly clean the fuel system and check the engine. Contact an authorized FAW Hongqi dealer.

Other information

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Event data recorder	394

List of abbreviations

List of abbreviations

Abbreviation	Description
ABP	Automatic Brake Prefill
ABS	Antilock Brake System
ACC	Adaptive Cruise Control
AEB	Autonomous Emergency Braking
APA	Auto Parking Assist
BBF	Brake Boost Function
BSD	Blind Spot Detection
CDD-S	Controlled Deceleration for ACC-Stop & Go
CDP	Controlled Deceleration for Parking Brake
CO	Carbon Monoxide
DSM	Driver Status Monitoring
EBD	Electronic Brakeforce Distribution
ECU	Electronic Control Unit
EDR	Event Data Recorder
ELR	Emergency Locking Retractor
EMS	Engine Management System
EPB	Electrical Parking Brake
EPS	Electric Power Steering
ESC	Electronic Stability Control
ESS	Emergency Stop Signal

Abbreviation	Description
ETC	Electronic Toll Collection
FCW	Forward Collision Warning
GPF	Gasoline Particulate Filter
HBA	Hydraulic Brake Assist
HBB	Hydraulic Brake Boost
HHC	Hill Hold Control
IHC	Intelligent High Beam Control
LDW	Lane Departure Warning
LED	Light Emitting Diode
LKA	Lane Keeping Assist
MAX	Maximum
MIN	Minimize
OBD	On-Board Diagnostic
SACC	Super Adaptive Cruise Control
TCS	Traction Control System
TPMS	Tire Pressure Monitoring System
TSR	Traffic Sign Recognition
USB	Universal Serial Bus
VIN	Vehicle Identification Number

Event data recorder

Event data recorder

The vehicle is equipped with an event data recorder (EDR). The EDR is mainly designed to record data in the event of certain or sudden collisions (such as airbag deployment or collision with a barrier), so as to help understand the operation of the vehicle system. The EDR is specially used to record data related to the dynamic control and safety systems of the vehicle within a short period of time. However, the data may not be recorded sometimes, depending on the severity and type of collision.

The data content, source and use recorded by the EDR of the vehicle are shown in the figure below:

No.	Data name	Content	Source
1	Longitudinal acceleration	Change in longitudinal vehicle speed	Airbag control unit
2	Maximum recorded longitudinal acceleration	Maximum cumulative vehicle speed change in the X-axis direction recorded by the EDR	Airbag control unit
3	Time to reach the maximum recorded longitudinal acceleration	Time recorded by the EDR from time zero to occurrence of the maximum cumulative vehicle speed change along the X-axis	Airbag control unit
4	Clipping flag	Point in time when the EDR first reaches the sensor range when collecting the acceleration (horizontal or longitudinal)	Airbag control unit
5	Vehicle speed	Wheel-side linear velocity or the vehicle speed obtained by other means	Anti-lock brake system
6	Service brake, on or off	Used to detect if the driver depresses the brake pedal	Engine control unit

No.	Data name	Content	Source
7	Driver's seat belt status	Status of the driver's seat belt buckle switch	Airbag control unit
8	Accelerator pedal position	Percentage of the accelerator pedal actual position to the driver's fully depressed position	Engine control unit
9	Revolutions per minute (RPM)	RPM of the engine main crankshaft	Engine control unit
10	Power-on cycle during event	Number of power cycles from the first use of the ECU that records the EDR data to the ECU that records the EDR data when the event occurs	Airbag control unit
11	Power-on cycle during reading	Number of power cycles from the first use of the ECU that records the EDR data to the ECU that records the EDR data during reading	Airbag control unit
12	Event data record complete status	Status flag indicating whether the event data is completely recorded and stored in the ECU that records the EDR data	Airbag control unit
13	Time interval between this event and the last event	Elapsed time from the start of event X to the start of event X-1 if the two events occur within 5 seconds	Airbag control unit
14	Vehicle identification number	Vehicle identification number (VIN) assigned by the vehicle manufacturer (VIN)	Airbag control unit
15	Hardware number of ECU that records EDR data	ECU that realizes the EDR recording function of the vehicle	Airbag control unit
16	Serial number of ECU that records EDR data	ECU that realizes the EDR recording function of the vehicle	Airbag control unit

No.	Data name	Content	Source
17	Software number of ECU that records EDR data	ECU that realizes the EDR recording function of the vehicle	Airbag control unit

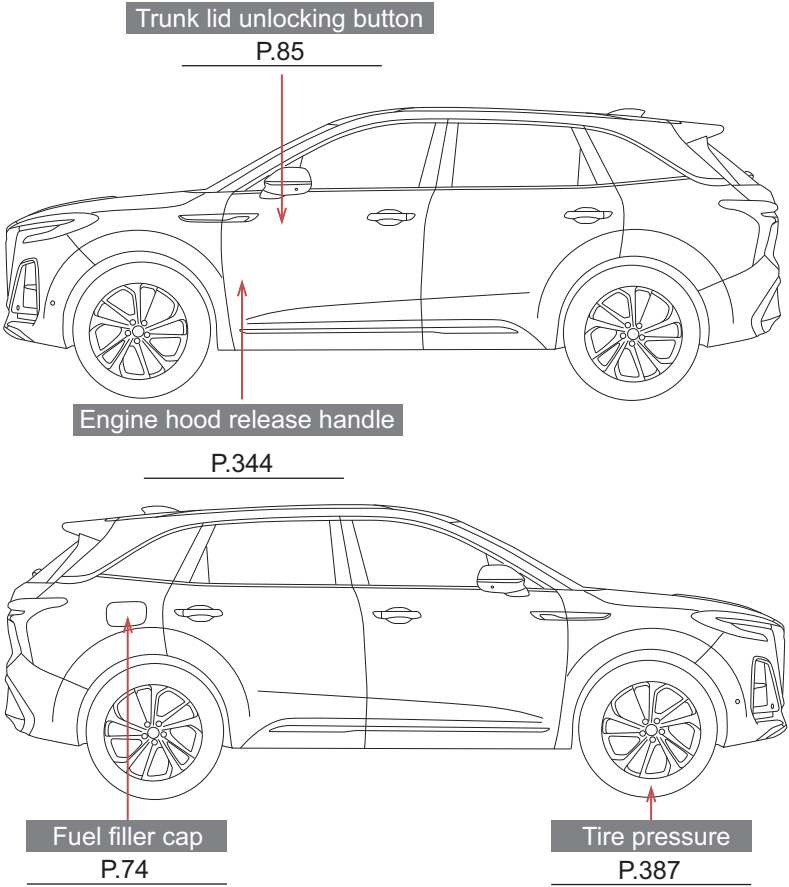
These data are used for analysis in the event of a deployment event, to better understand the situation of collision and personal injury caused therefrom.

Note: The EDR will record data only when a collision of certain degree occurs to the vehicle; In other words, the EDR will not record data and personal information (e.g. name, gender, age and site of collision) during normal driving. Locked events can override unlocked events rather than locked events. To read the data recorded by the EDR, it is required to use the special equipment specified by the vehicle manufacturer and obtain the permission of access to the EDR. Besides the vehicle manufacturer, the third parties with special equipment (such as law enforcement agencies) can also read the information if they have the permission of access to the vehicle or EDR.

For the introduction on ESC/ABS/ACC and other functions, refer to the relevant chapters in this manual.

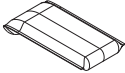
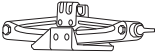
Based on legal obligations of product monitoring, the Company can use the data for environmental monitoring, research and vehicle safety system quality improvement. For the purpose of research, the Company can provide the data to relevant parties in an anonymous form, that is, the data do not involve the information of vehicle, owner or lessee.

References for gas station



Fuel tank capacity (for reference)	See P.381
Fuel type	Unleaded gasoline (see P.381)
Tire pressure	See P.387
Oil capacity	See P.382
Oil grade	See P.382

List of accompanying tools

Illustration	Name	Quantity
	Warning triangle	1
	Towing eye	1
	Wheel trim cover removal tool	1
	Reflective vest assembly	1
	Tire repair kit*	1
	Tire wrench*	1
	Jack*	1
	Jack crank*	1