T5 EVO 使用手册

T5 EVO User Manual

英语

English

Foreword

Dear users,

Congratulations on owning Forthing T5 EVO, and thanks for your trust in Dongfeng Forthing. This Manual introduces the information on safe driving, equipment operation and vehicle maintenance of Forthing T5 EVO. The information will help you use the vehicle correctly so that you can truly feel the driving pleasure brought by Forthing T5 EVO.

The table of contents and illustrations of vehicle in the Manual can facilitate you to understand your car quickly. The following ten chapters provide a detailed introduction to the use methods of various vehicle facilities. Before using the vehicle, please carefully read the documents delivered with the vehicle. The information provided in these documents is very important for guaranteeing the driving and property safety, please strictly observe and properly keep these documents.

When reading the Manual, you will find signs such as "Note", "Warning" and corresponding instructions. These instructions are contributive to guaranteeing the personal, vehicle and property safety, please strictly observe.

Graphs and texts in the Manual are only for the purpose of transmitting use information of main functions and facilities of the vehicle, instead of serving as the basis for the product acceptance. In case of any discrepancies from the actual vehicle, the actual vehicle shall prevail.

Copyright notice: Content and technical specifications in the Manual were effective at the time of publication. However, Dongfeng Liuzhou Motor Co., Ltd. reserves the right to change the technical specification and design at any time without advance notice.

Technical update description: IoV and electronic technology products are updated quickly. Please upgrade them in time to ensure user experience.

If you need information about Forthing T5 EVO, please visit our website: https://www.forthingmotor.com/ (official website)

Wish you a safe journey!

Dongfeng Liuzhou Motor Co., Ltd.

January 2024

Note: The cover and pictures of this manual are provided for reference only, and the actual vehicle shall prevail.

Configuration Description

* Asterisk

Asterisk “*” following the title or name indicates that described device or function is provided for certain model only and your vehicle may not be equipped with it.

Safety description

Safety label — affixed to the vehicle.

Safety prompt information— marked with hazard warning symbols and the three signal words "Danger," " 'Warning," or "Caution." The meanings of these words are as follows:

Danger

Used to indicate the danger that may cause serious personal injury or death.

Warning

Used to indicate the danger that may cause personal injury or other damage.

Note

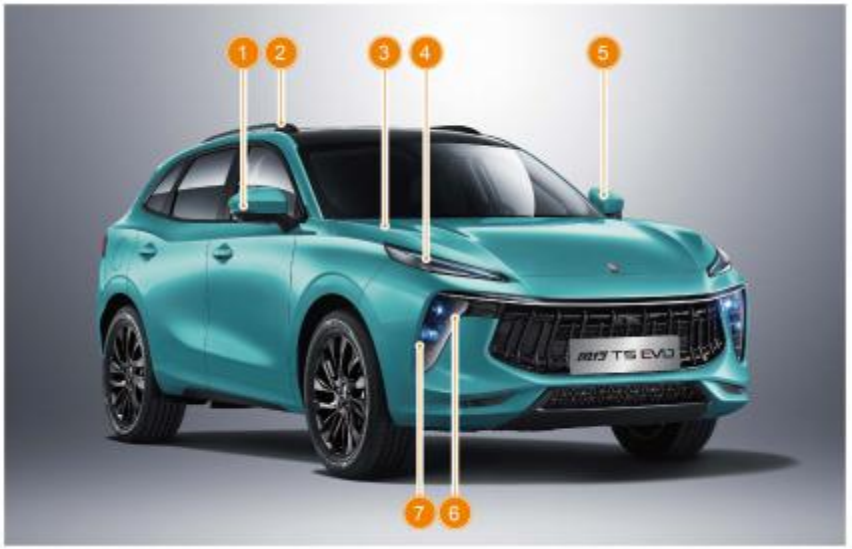
Used to indicate the danger that may cause minor personal injury or vehicle injury.

Table of Contents

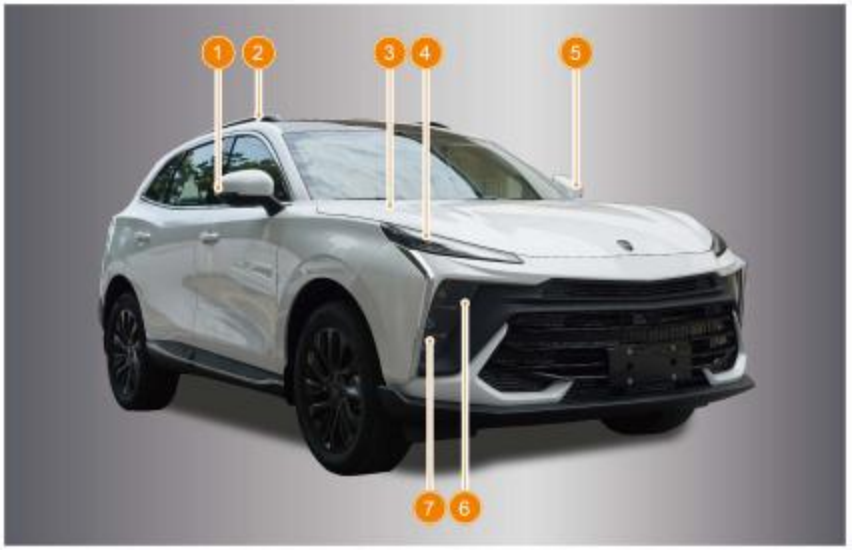
Vehicle Illustration

Front of the vehicle

Basic model



New model



1. Side turn signal
2. Luggage rack
3. Engine hood
4. Front turn signal/daytime running lamp/position lamp
5. Exterior rearview mirror
6. Low beam
7. High beam

Rear of the vehicle

Basic model

1. Reversing light
2. Position lamp (trim on platinum model)
3. High-mounted brake light
4. Brake lamp (turn signal on platinum model)
5. Position light
6. Sequential turn signal (brake lamp on platinum model)
7. Retro-reflector
8. Sequential turn signal
9. License plate light
10. Rear fog light

Vehicle Illustrated Index

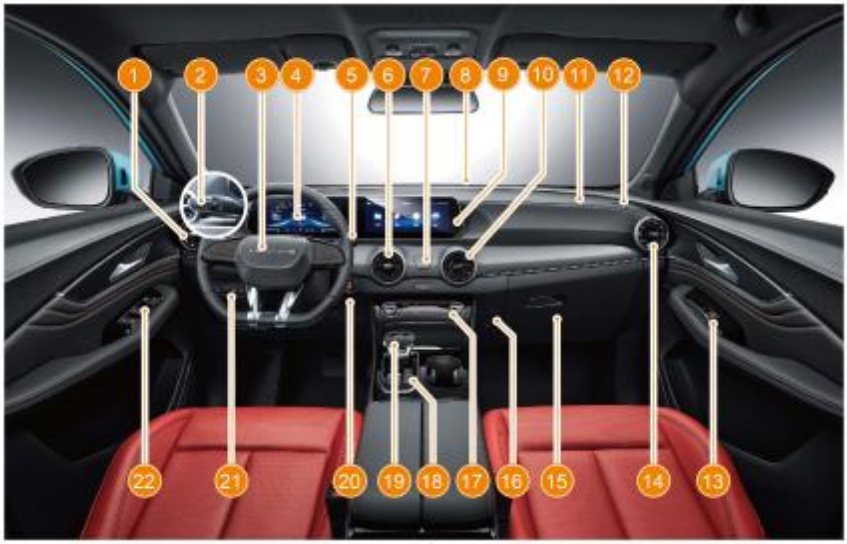
New model

1. Reversing light
2. Position lamp (trim on deluxe model)
3. High-mounted brake light
4. Brake light
5. Position light
6. Sequential turn signal
7. Sequential turn signal
8. Retro-reflector
9. Rear fog light
10. License plate light

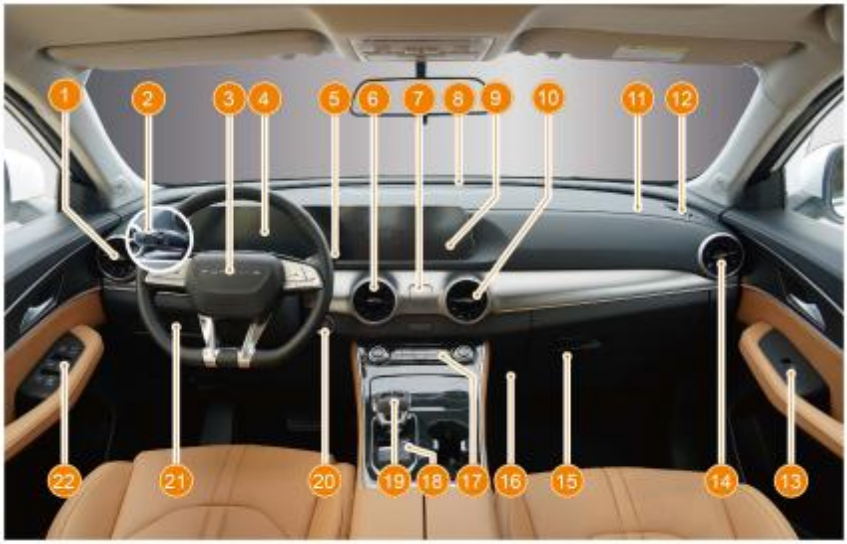
Cockpit

The picture is for reference only, and the actual vehicle shall prevail.

Basic model



New model



Vehicle Illustrated Index

1. Left air outlet
2. Light multi-function switch
3. Steering wheel
4. Combination Instrument
5. Wiper multi-function switch
6. Central left air outlet
7. Mobile phone bracket interface
8. Front windshield defogging outlet
9. Multimedia display screen
10. Central right air outlet
11. Front passenger side airbag
12. Windshield side defogging air outlet
13. Front passenger side power window regulator switch 14. Right air outlet
15. Storage box
16. Instrument panel hook
17. A/C control panel
18. Console switch set
19. Gearshift lever
20. Start/Stop switch
21. Dashboard switch set
22. Driver Side Power Window Control Switch

Seat Belts

Precautions for using seat belt

Before driving the vehicle, please be sure to read the contents of this chapter, which will help you familiarize yourself with the correct operation method of the vehicle's seat belt for safe driving.

Note

- Every passenger should correctly fasten the seat belt when riding in the vehicle. Only when the seat belt is fasten correctly can the airbag provide effective protection, maximizing the safety of occupants in the event of an accident.
- In case of an emergency braking situation, seat belts secure the occupants to the seats, preventing forward movement of the body and thereby protecting them from secondary impacts.
- When a child safety seat is placed on the seat or the passenger on the current seat is not suitable for wearing a seat belt, simply return the seat belt to its normal retracted position.

Warning

- Be sure to wear the seat belt correctly. Do not place seat belt across the lower abdomen. Otherwise, the seat belt will strongly press the lower abdomen in case of an accident, increasing the risk of injury.
- The shoulder seat belt shall be adjusted to the most suitable position. Do not place the shoulder seat belt under the arm. The seat belt should be tightened as much as possible, failure to do so may reduce the effectiveness and increase the risk of injury.
- Pregnant women should also like other passengers, place the seat belt across the hip as low as possible, with the shoulder seat belt fully stretched obliquely along the shoulder, and avoid the seat belt contacting the bulging abdomen. If the seat belt is not fastened correctly, pregnant women and fetuses may be injured in case of emergency braking or collision.

Warning

- When a child rides in the vehicle, be sure to use a suitable protective device and do not let the child sit on the front seat.
- Each passenger is only allowed to use one seat belt. Do not hold infants or children in arms and bypass them to fasten the seat belt, as this can result in severe injury to passengers in an accident.

Correct use of seat belt

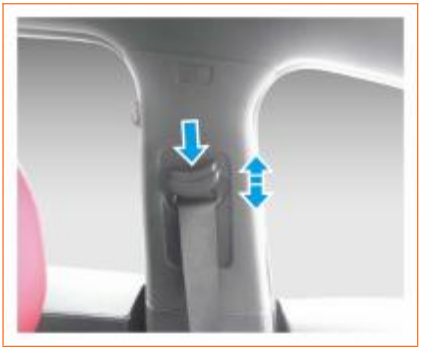
1. Pull the shoulder strap of the seat belt so that it runs diagonally across the shoulder. Never wear the shoulder portion across the neck or slip off the shoulder.
2. Wear the lap seat belt as low as possible across the hips.
3. Adjust the position of the seat backrest to make it in a relatively comfortable position.
4. Do not twist the seat belt.

Fasten and release the seat belt

1. Pull out the seat belt from the retractor and insert the locking tab into the buckle until a "click" sound is heard, indicating that the seat belt is securely locked.

2. Press the release button on the buckle if you want to release the seat belt.

Shoulder belt height adjuster *



After pressing the upper part of the shoulder belt height adjuster to move the adjuster up and down to the desired position, try to move the adjuster down without pressing to make sure that it is locked in place.

Seat Belt Pretensioner *

When the vehicle suffers from some serious frontal or side collisions, the seat belt pretensioner will automatically tighten to protect the driver and passengers quickly.

Note

However, the pretensioner may not be activated in case of a slight frontal collision, side collision, rear-end collision or rollover.

Unfastened seat belt alarm

The vehicle is equipped with a driver seat belt warning indicator, and for some models, it is also provided for the front passenger seat and rear row seats. When the seat belt of the occupants in the vehicle is detected unfastened, the corresponding warning light on the combination instrument will be illuminated. In the meantime, the buzzer will continue to alarm until the seat belts are fastened correctly by the occupants inside the vehicle.

Seat belt retractor

Each seat belt has a retractor. During normal driving, the retractor keeps a certain tension of the seat belt so that the passenger can still move freely on the seat. In case of an emergency, the retractor will automatically tighten the seat belt to fix the passenger's body onto the seat to avoid injury. If you find any abnormality in the locking function of the retractor, please contact the authorized service station of Dongfeng Forthing.

Warning

Users are not allowed to repair, adjust or disassemble the seat belt and the retractor by themselves. If the seat belt and the retractor need repairing or replacement, contact an authorized service station of Dongfeng Forthing.

Airbag

When the vehicle experiences a frontal or side collision of a magnitude that meets the deployment requirements of the airbag, the airbag will be inflated and deployed to reduce the impact injury to the head and chest of the passenger.

Precautions for airbag application

1. There is an airbag warning label on the front passenger's sun visor. Do not place a rear-facing child safety seat on a seat protected by an (active) airbag. Otherwise, the inflating front airbag can exert tremendous force in the event of a collision, causing severe injury to the child.

2. Do not place any object on the dashboard or paste it on the steering wheel trim cover or other positions, because these objects may be ejected when the airbag deploys, resulting in casualties of the occupants.

3. Do not hang hangers or other hard objects on the coat hook. When the side curtain airbag deploys, these items may be ejected and cause casualties to passengers.

4. After the airbag deploys, it reaches a high temperature. Do not touch any relevant components immediately.

5. When the airbag deploys, it will produce a loud noise, which may temporarily affect your hearing.

6. If you experience difficulty breathing after the airbag deploys, please open the door or window for ventilation, or exit the vehicle if it's safe to do so. Wash off any residue as soon as possible to avoid skin irritation.

7. If the part where the airbag is located is damaged or broken, please contact the authorized service station of Dongfeng Forthing for replacement.

Position and deployment of airbag

Front airbag

1. Driver side airbag
2. Front passenger side airbag

The front airbag helps to protect the head and chest of the driver and front passenger from the impact of interior components.

Front airbag *

Basic model

New model

The front side airbag helps to protect the torso of the driver and front passenger from the impact of interior components.

Side curtain airbag*

The side curtain airbags are installed above the left and right doors in the vehicle, marked with "SRS AIRBAG" (for some models). Side curtain airbags help to protect the heads of the driver, the front passenger, and the rear outer passenger.

Warning

As the front side airbag deploys with a considerable speed and force, do not let your head close to the deployment area of the side airbags and side curtains when the vehicle is running. Failure to do so may result in serious personal injury.

Deployment condition of front airbag

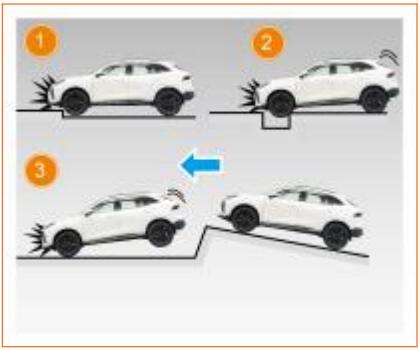
The front airbag deploys when the vehicle collides frontally with a solid wall at a speed of 25 km/h or higher.

Deployment condition of front side airbag and side curtain airbag *

The front side airbag and side curtain airbag deploys when the vehicle experiences a moderate to severe side impact and reaches the designed threshold.

Possible deployment (inflation) of front airbag (except collision)

The front airbag may deploy if the vehicle bottom is impacted seriously. Some examples are shown in the figure.



1. The vehicle hits a curb, sidewalk edge or hard surface
2. The vehicle falls into or crosses a deep pit.
3. Wheel hard landing or vehicle fall

Types of collision without deployment of front airbags

Generally, the front airbag will not deploy in case of side collision, rear collision, rollover or low-speed frontal collision. However, regardless of the type of collision, it may deploy as long as the vehicle generates sufficient forward deceleration.

1. Rear collision
2. Side collision
3. Rollover

Types of collision without deployment of front side airbags and side curtain airbags *

The front side airbag and side curtain airbag may not deploy if the vehicle experiences a side collision at an angle to the body, or if the body part experiencing the side collision is not the passenger compartment.

1. The side collision of vehicle body (not passenger compartment)
2. Side collision at a certain angle to the vehicle body

The front side airbag and side curtain airbag may not deploy if the vehicle experiences a rear collision, rollover, low-speed side collision, or a low-speed frontal collision.

1. Rear collision
2. Rollover

Event data recorder (EDR) system

The vehicle is equipped with EDR, and the recorded data can be used for collision accident analysis. Specific recorded parameters are detailed in the following table:

S/N	Parameter Name	Designation	Unit
1	Longitudinal acceleration	It is the longitudinal acceleration of vehicle	g
2	Vehicle speed	Wheel linear speed	km/h
3	Activation and deactivation of service brake	It is used to detect whether the driver presses the brake pedal	/
4	Vehicle identification number	VIN	/

The EDR system is integrated in the airbag controller, and the recorded data can be extracted through the special diagnostic equipment of the authorized service station of Dongfeng Forthing.

The vehicle speed recorded by the EDR system comes from the wheel linear speed of the anti-lock braking system (ABS) equipped on this vehicle.

The data recorded by the EDR system is divided into unlocked event data and locked event data. Among them, the former refers to the data recorded when the EDR recording conditions are met but the airbag system deployment conditions are not met. The latter is the data recorded when the airbag system deployment conditions are met. Unlocked event data is overwritten sequentially by subsequent unlocked events, while locked event data remains unaffected by subsequent events. The system can record a total of three sets of event data.

Children protection measure

Children safety Instruction

Please be sure to read this chapter when children are riding in the vehicle.

Children should use appropriate protective devices.

Children who are too young to wear the seat belt should be placed in an approved child restraint system in the rear.

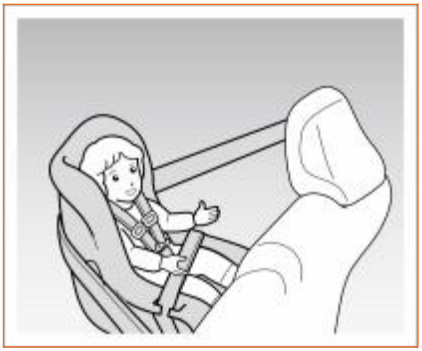
Older children must wear a three-point seat belt for protection, and if necessary, an auxiliary safety cushion shall be installed.

It is recommended that children sit in the rear seats. During driving, use the rear door child safety lock or window locking switch to prevent children from opening doors or accidentally operating power windows.

Warning

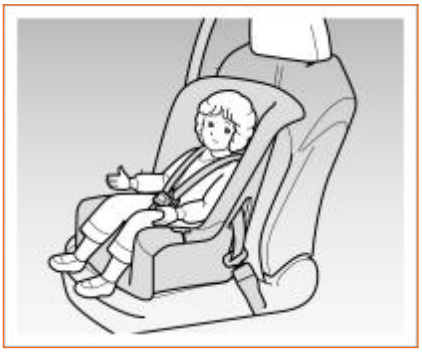
- Do not allow children to carry or use the smart key.
- Children may start the vehicle or shift to N position. Children may also hurt when playing with windows, sunroofs, panoramic sunroofs or other vehicle equipment. Children may also hurt themselves when playing with windows, sunroofs, panoramic sunroofs, or other vehicle equipment.
- Do not leave children alone in the vehicle, as this may lead to casualties due to the excessively high temperature in enclosed vehicle.

Infants protection measure



For infants under one year old, their neck is extremely delicate. If seated facing forward, there is a risk of neck injury in the event of a frontal collision. Therefore, it is recommended to use a backward-facing CRS.

Young children protection measure



According to the weight and height requirements specified by the manufacturer of CRS, children over one year old should use forward-facing CRS when riding in the vehicle.

Older children protection measure

It is recommended that all children under the age of 12 ride in the back seat and be properly secured. If the seat belt does not fit properly, an auxiliary seat cushion can be installed for children.

CRS (provided by the user)

The CRS needs to be provided by the user. Please use the CRS that meets local regulations and standards.

Applicability of child seat

In addition to the three-point seat belt system for child protection, the rear seats in this vehicle also provide two CRS with standard "ISOFIX" interfaces. You can choose the appropriate child restraint system as needed.

The child restraint system (CRS) applicable to this vehicle and the installation positions are shown in the table below.

Mass Group	Seating Position			
	Front-row Passengers	Rear-row left	Rear-row right	Rear-row middle
Group 0 (less than 10 kg)	X	U	U	X
Group 0+ (less than 13 kg)	X	U	U	X
Group I (9 KG to 18 KG)	X	U	U	X
Group II (15 KG to 25 KG)	X	U	U	X
Group III (22 G to 36 KG)	X	U	U	X

The meanings of the keywords in the above table are as follows:

U: Applicable to universal child restraint system certified by the mass group.

X: This seat is not applicable to the child restraint system of the mass group.

If you adopt the "ISOFIX" standard CRS, the applied relationships of the system and the vehicle are listed in the table below.

Mass Group	Size category	Fixture	ISOFIX position on vehicle			
			Front-row Passengers	Rear-row left	Rear-row right	Rear-row middle
Carrycot	F	ISO/L1	X	X	X	X
	G	ISO/L2	X	X	X	X
Group 0	E	ISO/R1	X	IL	X	X
Group 0+, less than 13 KG	E	ISO/R1	X	IL	X	X
	D	ISO/R2	X	IL	X	X
	C	ISO/R3	X	IL	X	X
Group I	D	ISO/R2	X	IL	X	X
	C	ISO/R3	X	IL	X	X
	B	ISO/F2	X	IUF	X	X
	B1	ISO/F2X	X	IUF	X	X
	A	ISO/F3	X	IUF	X	X

The meanings of the keywords in the above table are as follows:

IUF: The seat is suitable for universal ISOFIX forward facing CRS certified under this mass group.

IL: The seat is suitable for special ISOFIX CRS. These restraint systems may be classified as special vehicles, restricted, or semi-universal.

X: This seat is not suitable for ISOFIX CRS of this mass group or size category.

A—ISO/F3: Full-height forward-facing toddler CRS.

B—ISO/F2: Reduced-height forward-facing toddler CRS.

B1—ISO/F2X: Reduced-height forward-facing toddler CRS.

C—ISO/R3: Full-height rearward-facing toddler CRS.

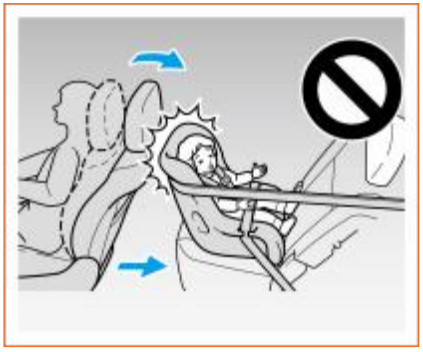
D—ISO/R2: Reduced-height rearward-facing toddler CRS.

E—ISO/R1: Rear-facing CRS for infants.

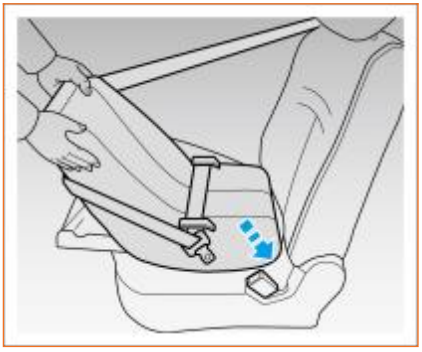
F—ISO/L1: Left lateral facing position child restraint system (carrycot).

G—ISO/L2: Right lateral facing position child restraint system (carrycot).

Installation of backward-facing CRS



If the backward-facing child restraint system is obstructed by the driver's seat and thus cannot be installed correctly, install it on the rear-row right seat.



According to the manufacturer's instructions, thread the seat belt through or around the rear-facing CRS. Then, insert the locking tab into the buckle, ensuring the seat belt is not twisted and remains taut. Confirm that the locking tab and buckle are locked securely, and check the stability of the CRS by shaking it from side to side.

Installation of forward-facing CRS

According to the manufacturer's instructions, thread the seat belt through the forward-facing CRS and insert the locking tab into the buckle, ensuring the seat belt is not twisted and remains taut. Confirm that the locking tab and buckle are firmly locked, press the CRS against the seat cushion and seat backrest to fully retract the seat belt, so that the CRS can be fixed firmly, and then check the stability of the CRS by shaking it from side to side.

Installation of auxiliary seat cushion

Place the auxiliary cushion on the seat and let children sit on the auxiliary seat cushion. According to the manufacturer's instructions, thread the seat belt over children's shoulder, lower the lap belt as low as possible to children's buttock position, and then insert the locking tab into the buckle to ensure the seat belt is not twisted and kept taut.

ISOFIX interface

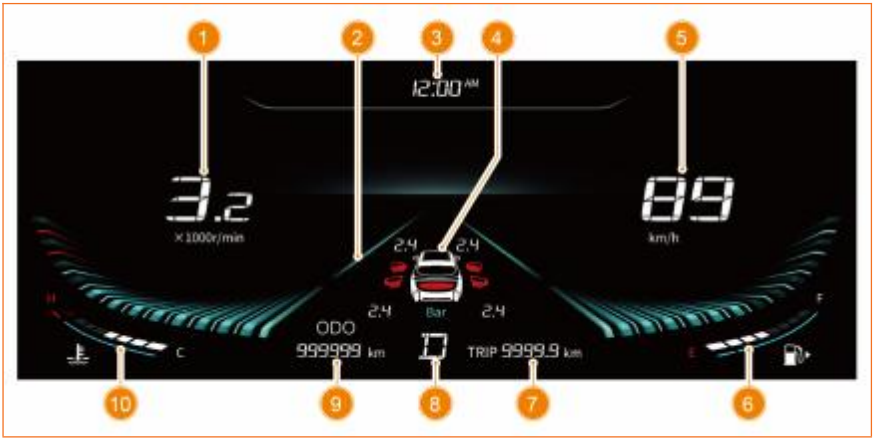
For a child restraint system with ISOFIX interface in the rear seat of the vehicle, the child safety device conforming to ISO standard can be fixed by ISOFIX interface. Please follow the CRS manufacturer's operating instructions and safety prompts during installation and use, as failure to do so may affect the protective effect.

Overview of combination instrument

LCD

1. Tachometer
2. Exterior temperature
3. Comprehensive information
4. Time
5. Speedometer
6. Fuel gauge
7. Trip mileage
8. Gear
9. Total mileage
10. Coolant thermometer

Segment code screen



1. Tachometer
2. Lane departure *
3. Time
4. Tire pressure/door status
5. Speedometer
6. Fuel gauge
7. Comprehensive information
8. Gear
9. Total mileage
10. Coolant thermometer

Display Screen Setting (LCD)

Description of Steering Wheel Buttons

Press the up/down/left/right and OK buttons on the steering wheel to toggle the display in the "Comprehensive Information" area.

1. Up button: switch to select page of the same level.
2. Right button: Switch to select the homepage or view the recommended treatment measures in the alarm information list.
3. OK button: Select to confirm or close the currently displayed text reminder interface in the setting interface.
4. Down button: switch to select page of the same level.
5. Left button: switch to select homepage or return to the previous page.

Note

Press and hold: Pressing time is greater than or equal to 2 s.

Press: The button-pressed time is less than 2s.

Indicating Meter (LCD)

Tachometer

The tachometer displays the number of engine revolutions per minute (×1,000 r/min). To prevent damage to the engine, do not drive at a speed in the red number zone for a long time.

Speedometer

The speedometer displays the current vehicle speed (km/h). Affected by tire pressure, road conditions, climate and other factors, the displayed vehicle speed may deviate slightly from the actual speed.

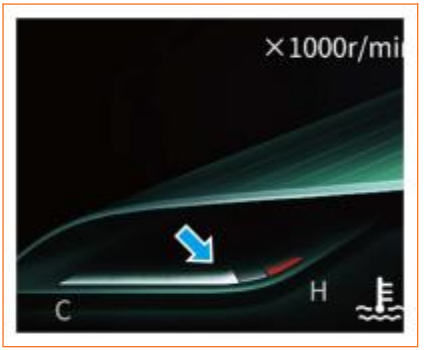
Fuel gauge

The fuel gauge displays the amount of fuel in the fuel tank in energy block. When the vehicle is turning or running on an uneven road section, the displayed fuel level will slightly deviate from the actual value. If the fuel quantity is small, the low fuel level warning indicator lights up to show that the fuel level in the tank is insufficient and that refueling has to be done as soon as possible.

Note

Avoid driving at low fuel level for a long time. If the fuel is used up, the vehicle will shut down and the fuel pump will be damaged.

Coolant thermometer



The coolant thermometer indicates the current engine coolant temperature. When the scale is close to H, the high coolant temperature warning indicator lights up, indicating that the engine is overheated at this time. Please park the vehicle in a safe place as soon as possible and turn off the engine, and contact an authorized service station of Dongfeng Forthing in time.

Time

It indicates the current time. The time is automatically calibrated without the need of manual adjustment.

Exterior temperature

Display the current temperature outside the vehicle.

Display range: -40 °C ~87 °C.

The exterior temperature sensor may be affected by the heat of road or engine, external wind direction and other driving conditions, and the displayed temperature may deviate slightly from the actual temperature outside.

Gear

It indicates the current vehicle driving gear.

Odometer

1. Total mileage

The display range of total mileage is 0~999,999 km. When the accumulated mileage reaches this value, it stops accumulating and displays 999,999 km.

2. Trip mileage

The trip mileage ranges from 0~9,999.9 km. If it exceeds the range, it will be reset automatically and displayed cumulatively from 0. It can also be reset by pressing OK button briefly.

Comprehensive Information (LCD)

This interface displays driving information, driver assistance, multimedia, map navigation and settings. The display content can be switched by pressing the left and right buttons on the steering wheel.

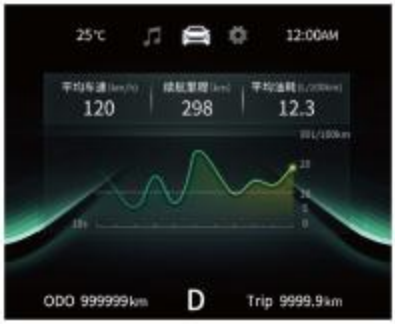
Driving information

The driving information includes vehicle status, trip computer, fuel consumption for the last 50 km and tire pressure information. The display content can be switched by the up and down buttons on the steering wheel.

Vehicle status

This interface displays the service status of doors (including trunk lid), sunroof, vehicle lamps and seat belt.

Trip computer



This interface displays the average vehicle speed, endurance mileage, average fuel consumption and instantaneous fuel consumption. The display content can be switched by the up and down buttons on the steering wheel.

Average speed

This interface displays the average vehicle speed after the last resetting. Display range: 0~200 km/h.

The user can press OK button briefly to call out the resetting interface according to the prompt, and reset the average vehicle speed separately.

Average fuel consumption

This interface displays the average fuel consumption after the vehicle is reset last time, with display range of 0~19.9 L/100 km.

The user can press OK button briefly to call out the resetting interface according to the prompt, and reset the average fuel consumption separately.

Driving mileage

The endurance mileage is estimated based on the latest comprehensive fuel consumption and the remaining amount of fuel in the fuel tank, and it means the maximum mileage that can be continued from now on.

Display range of endurance mileage: 50~999 km. When the endurance mileage is less than 50 km, "---" will be displayed.

Note

- After refueling, the endurance mileage will be recalculated.
- The displayed driving mileage will change according to the recent comprehensive fuel consumption.

Note

- If the low fuel level warning indicator lights up, refuel in time even if a longer endurance mileage is displayed.
- When the vehicle is running on a hillside or curved road, the fuel in the fuel tank will shake and the display may change in a short time.

Instantaneous fuel consumption

Instantaneous fuel consumption displays the current fuel consumption information through a curve graph.

Display range of instantaneous fuel consumption: 0~30 L/100 km.

This information can help you to adjust your driving behavior to achieve your desired fuel consumption level.

Fuel consumption for the last 50 km

This interface displays the fuel consumption within the last 50 km. It includes optimal fuel consumption, curve fuel consumption and fuel consumption curve.

Optimal fuel consumption

It indicates the lowest value of the fuel consumption curve after the last optimal fuel consumption is reset.

The user can press the OK button briefly to call out the resetting interface according

to the prompt, and reset the optimal fuel consumption separately.

Curve fuel consumption

The curve fuel consumption shows the fuel consumption within the last 5 km. The displayed value corresponds to the position of the coordinate axis where the rightmost point in the fuel consumption curve is located.

The user can press the OK button briefly to call out the resetting interface according to the prompt, and reset the curve fuel consumption separately.

Fuel consumption curve

The fuel consumption curve is drawn based on the curve fuel consumption within the last 50 km. This information can help you adjust your driving habits to achieve the expected fuel consumption.

Tire pressure information

This interface displays the corresponding tire pressure and temperature values. In case of tire abnormality, the display interface will give a corresponding reminder.

Note

- Try to keep the tire inflation pressure near the standard pressure value. If the tire pressure is displayed as "--" and the corresponding tire lights up, the TPMS has lost the signal of the sensor at this position. Please contact an authorized service station of Dongfeng Forthing in time.
- The tire pressure sensor does not need to be re-matched as long as it is not replaced and the original tire pressure sensor has not been damaged by mounting or removing the tire. If it is necessary to re-match the tire pressure system after the tire pressure sensor is replaced or the tires are rotated, contact an authorized service station of Dongfeng Forthing.
- When the vehicle is stationary, the tire pressure sensor will not send data to the outside. It only sends data when the vehicle is running. Therefore, the tire pressure information displayed at a standstill is that of the last time the vehicle was in operation. Therefore, if you want to update the tire pressure data after deflation or inflation of the tire, the vehicle shall be driven at a speed above 30 km/h for 1 minute before the tire pressure information interface updates the data.

Driver assistance

Functions available within this interface vary based on the specific configurations of each model. For details of driver assistance, refer to the relevant instructions in Chapter VII "Comfortable Driving".

Multimedia

This interface displays information about the music you are currently listening to.

Map navigation

This interface can synchronously display the map information and simple navigation information on the multimedia display screen.

Alarm information

This interface displays some messages of alarm or reminder in the form of text or pictures. When there are multiple messages of alarm or reminder, the content can be switched and inquired by pressing the up and down buttons on the steering wheel.

Settings

The setting interface can be selected by pressing the left/right button on the steering wheel. This interface menu includes alarm information inquiry, driving information reset, brightness adjustment, volume adjustment, theme setting, language setting and instrument version information. They can be switched by pressing the up and down buttons on the steering wheel. To enter the corresponding menu interface, the OK button shall be pressed.

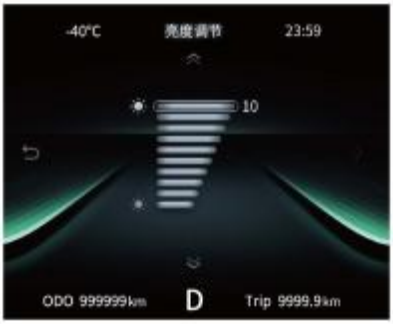
Alarm information query

This interface allows real-time querying of current alarm or reminder. At the same time, it can also provide processing measures for some alarms or reminders. The processing measures can be switched by press the up and down buttons on the steering wheel, and their details can be viewed by pressing the OK or right button. To exit the alarm information inquiry interface, the left button shall be pressed.

Driving information reset

The average fuel consumption, average vehicle speed and trip mileage can be reset on this interface. Press the up and down buttons on the steering wheel to switch, press the OK button to confirm the information, and press the left button to exit the driving information reset interface.

Brightness adjustment



The combination instrument backlight brightness can be adjusted in the daytime mode and night mode respectively on this interface. Press the up button and down buttons on the steering wheel to increase or decrease the backlight brightness respectively, and press the left button to exit the brightness adjustment interface.

Volume adjustment

The volume of the combination instrument can be adjusted on this interface. Press the up button and down buttons on the steering wheel to increase and decrease the volume respectively, and press the left button to exit the volume adjustment interface.

Theme setting

The main interface style of the combination instrument can be selected on this interface. Press the up and down buttons

on the steering wheel to switch, press OK to confirm the application of the selected theme, and press the left button to exit the theme setting interface.

Language setting

The display language of the combination instrument can be selected on this interface. Press the up and down buttons on the steering wheel to switch, press OK to confirm the application of the selected language, and press the left button to exit the language setting interface.

Instrument version information

This interface displays the current version information of the combination instrument.

Display Screen Setting (Seven-segment Display)

Description of Steering Wheel Buttons

Press the brightness up/down buttons on the steering wheel to adjust the backlight brightness of the combination instrument, and

1. Brightness up button: Increase the backlight brightness of combination instrument.
2. press the page turning button to change the display in the "Comprehensive Information" area.
3. Brightness down button: Reduce the backlight brightness of combination instrument.

Note

Press and hold: Pressing time is greater than or equal to 2 s.

Press: The button-pressed time is less than 2s.

Indicating Meter (Seven-segment Display)

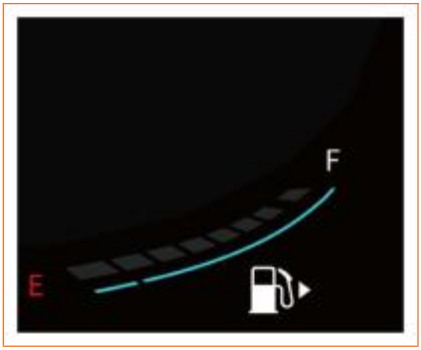
Tachometer

The tachometer displays the number of engine revolutions per minute (×1,000 r/min). There is a dynamic speed display bar below the digital display. To prevent damage to the engine, do not drive at a speed in the red zone.

Speedometer

The speedometer displays the current vehicle speed (km/h). Affected by tire pressure, road condition, climate and other factors, an error may occur between the indicated speed and the actual one.

Fuel gauge

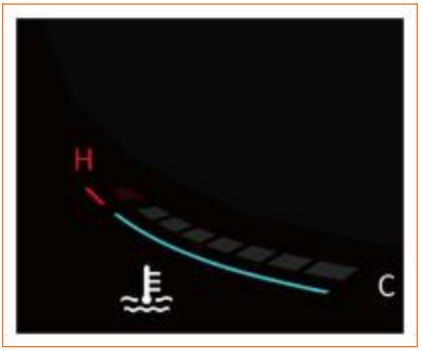


The fuel gauge displays the amount of fuel in the fuel tank in energy block. When the vehicle is turning or running on an uneven road section, the displayed fuel level will slightly deviate from the actual value. If the fuel quantity is small, the low fuel level warning indicator lights up to show that the fuel level in the tank is insufficient and that refueling has to be done as soon as possible.

Note

Avoid driving at low fuel level for a long time. If the fuel is used up, the engine will shut down and the fuel pump will be damaged.

Coolant thermometer



The coolant thermometer indicates the current engine coolant temperature. When the scale is close to H, the high coolant temperature warning indicator lights up, indicating that the engine is overheated at this time. Please park the vehicle in a safe place as soon as possible and turn off the engine, and contact the authorized service station of Dongfeng Forthing in time.

Time

It indicates the current time. The time will be updated in real time along with the multimedia display screen.

Gear

It indicates the current driving gear.

Odometer

1. Total mileage

The display range of total mileage is 0~999,999 km. When the accumulated mileage reaches this value, it stops accumulating and displays 999,999 km.

2. Trip mileage

The trip mileage ranges from 0~9,999.9 km. If it exceeds the range, it will be reset automatically and displayed cumulatively from 0. It can also be reset by pressing and holding the page turning button.

Comprehensive Information (Seven-segment Display)

This interface displays driving information and lane departure.

Driving information

This interface displays the average vehicle speed, average fuel consumption, endurance mileage, trip mileage and tire pressure information. Press the page turning

button on the steering wheel to switch the display content.

Average speed

This interface displays the average vehicle speed after the last resetting. Display range: 0~200 km/h.

When the average vehicle speed is displayed in the driving information, press and hold the page turning button to reset the average vehicle speed.

Average fuel consumption

This interface displays the average fuel consumption of the vehicle after last resetting. Display range: 0~19.9 L/100 km.

According to the prompt, press and hold the page turning button to reset the average fuel consumption separately.

Driving mileage

The maximum distance that the vehicle can continue to travel currently is estimated and displayed according to the latest comprehensive fuel consumption and the remaining fuel in the fuel tank.

Display range of endurance mileage: 50~999 km. When the endurance mileage is less than 50 km, "---" will be displayed.

Note

- After refueling, the endurance mileage will be recalculated.
- The displayed driving mileage will change according to the recent comprehensive fuel consumption.
- If the low fuel level warning indicator lights up, refuel in time even if a longer endurance mileage is displayed.
- When the vehicle is running on a hillside or curved road, the fuel in the fuel tank will shake and the display may change in a short time.

Trip mileage

See the description of odometer for details.

Tire pressure information

The interface displays the pressure value corresponding to the tire. In case of any tire abnormality, the display interface will give a corresponding reminder.

Note

● Try to keep the tire inflation pressure near the standard pressure value. If the tire pressure is displayed as "--" and the corresponding tire lights up, the TPMS has lost the signal of the sensor at this position. Please contact an authorized service station of Dongfeng Forthing in time.

Note

● The tire pressure sensor does not need to be re-matched as long as it is not replaced and the original tire pressure sensor has not been damaged by mounting or removing the tire. If it is necessary to re-match the tire pressure system after the tire pressure sensor is replaced or the tires are rotated, contact an authorized service station of Dongfeng Forthing.

● When the vehicle is stationary, the tire pressure sensor will not send data to the outside. It only sends data when the vehicle is running. Therefore, the tire pressure information displayed at a standstill is that of the last time the vehicle was in operation. Therefore, if you want to update the tire pressure data after deflation or inflation of the tire, the vehicle shall be driven at a speed above 30 km/h for 1 minute before the tire pressure information interface updates the data.

Lane Departure *

This interface can display lane departure warning. For details of lane departure, refer to the instructions in Chapter VII "Comfortable Driving".

Introduction to System Indicators

System indicator	Name	Introduction
	Low fuel level warning light (yellow)	When the fuel is about to run out, this indicator will light up, indicating that the fuel is too little and shall be filled in time.
	High coolant temperature warning light (red)	During normal driving, if this indicator stays on, the engine coolant temperature is too high. Please slow down and pull over to the roadside safely. Open the engine hood and rest for a period of time until the coolant temperature drops before continuing driving. Do not driver at a speed over 40 km/h, and contact an authorized service station of Dongfeng Forthing.
SPORT	SPORT mode indicator (green)	When the vehicle is in the SPORT mode, this indicator lights up, which is normal and fault-free.
ECO	ECO mode indicator (green)	When the vehicle is in the ECO mode, this indicator lights up, which is normal and fault-free.
	Transmission system fault warning light (yellow)	When the transmission is faulty, this indicator lights up. Restart the vehicle, and if it is still on, contact an authorized service station of Dongfeng Forthing.
	TPMS fault warning light (yellow)	This light will illuminate when the tire pressure and temperature are abnormal or the pressure monitoring function becomes faulty. If this is caused by underpressure/overpressure of the tire, adjust the tire pressure to the standard pressure range, which shall be standard pressure ± (standard pressure * 25%). If this indicator is still on after adjustment, contact an authorized service station of Dongfeng Forthing in time. If this is because the tire pressure system is not matched or the sensor is lost, contact an authorized service station of Dongfeng Forthing in time.
	PEPS warning indicator (red)	This indicator lights up when the PEPS system is in an alarm state. Detailed alarm information will be displayed in the comprehensive information zone of combination instrument in text form (text reminder is available only for LCD combination instrument).
	Parking status indicator (red)	When the parking brake is in the braking position, this indicator lights up, which is normal and fault-free. If the indicator does not light up after parking or is still on after parking is released, contact an authorized service station of Dongfeng Forthing.

System indicator	Name	Introduction
	Parking fault warning light (yellow)	This light will illuminate when the parking system becomes faulty. At this time, the parking system still has the ability to park, but cannot park automatically. Please pull up the EPB switch to park the vehicle and contact the authorized service station of Dongfeng Forthing as soon as possible.
	AVH working indicator (green)	If this indicator lights up, the automatic parking system is working, which is normal and fault-free.
	HDC system working indicator (green)	If this indicator stays on, the hill descent control function is turned on, which is normal and fault-free. If this indicator flashes, the hill descent control (HDC) system is working, which is normal and fault-free.
	Cruise control ON indicator (white)	When the master switch of the cruise control system is turned on but not activated, this indicator lights up in white, which is normal and fault-free.
	Cruise control activated indicator (green)	When the master switch of the cruise control system is turned on and the cruise function is activated, this indicator lights up in green and the target speed is displayed beside it, which is normal and fault-free.
	Turn and hazard signal indicator (green)	The corresponding light will illuminate or go out when operating on the turn signal. When the hazard warning light switch is pressed, the left and right turn signal indicators and the left and right turn signals will flash simultaneously. If it does not flash or flashes quickly at this time, it usually means that the turn signal lamp bulb is abnormal. Please immediately confirm whether the turn signal lamp bulb is damaged and contact an authorized service station of Dongfeng Forthing.
	Position light indicator (green)	When the position lamp is turned on, this indicator lights up, which is normal and fault-free.
	Low beam indicator (green)	When the low beam is used, this indicator lights up, which is normal and fault-free.
	High beam indicator (blue)	When the high beam is used, this indicator lights up, which is normal and fault-free.
	Rear fog light indicator (yellow)	When the rear fog lamp is turned on, this indicator lights up, which is normal and fault-free.

System indicator	Name	Introduction
	Battery charging fault warning light (red)	When the Start/Stop switch is set to "ON", the indicator will illuminate; after the vehicle starts, the light will go out. This transition is a normal phenomenon. If it does not go out, it indicates that the battery charging fails. Turn off all electrical appliances, keep the vehicle idling, and contact an authorized service station of Dongfeng Forthing.
EPS	Steering system fault warning light (yellow)	This light will illuminate when the electric power steering system becomes faulty. If this indicator stays on when the vehicle is running, slow down the vehicle in time and park it safely by the roadside. Restart it after 5 minutes of engine shutdown. If this indicator does not light up, driving can be continued normally. If this indicator still stays on, contact an authorized service station of Dongfeng Forthing as soon as possible.
	ABS system fault warning light (yellow)	If the indicator lights up during driving, the anti-lock brake system (ABS) is faulty. At this time, although the vehicle has normal braking capacity, it does not have ABS function. Please drive carefully and contact the authorized service station of Dongfeng Forthing as soon as possible.
	Low brake fluid level/brake system fault warning light (red)	This light will illuminate when the brake fluid level drops to a low level. If this indicator lights up during driving, it may be a fault of the brake system. Drive off the lane carefully, park the vehicle safely, and contact an authorized service station of Dongfeng Forthing in time.
	Electronic stability program (ESP) OFF indicator (yellow)	When this switch is pressed, the ESP system will be deactivated and this indicator will light up. Press this switch again, the ESP system will be turned on again, and this light will go out.
	ESP working indicator(yellow)	If the indicator flashes, the ESP system is working, which is normal. If it stays on during driving, the ESP system is faulty. Please contact an authorized service station of Dongfeng Forthing in time.
	Engine emission fault (MIL) warning light (yellow)	When the Start/Stop switch is set to "ON", the indicator will illuminate; after the vehicle starts, the light will go out. This transition is a normal phenomenon. If it does not go out, the engine control system is faulty. Restart the vehicle and check this warning indicator. If the indicator still lights up, contact an authorized service station of Dongfeng Forthing.

Combination Instrument

System indicator	Name	Introduction
SVS	Engine fault (SVS) warning indicator (yellow)	If this indicator stays on while the engine is running, the electronic injection system of the vehicle is faulty. Restart the vehicle and check the warning indicator, and if it still lights up, contact an authorized service station of Dongfeng Forthing.
	GPF status indicator (yellow)	If this indicator lights up and then goes out, it is normal and fault-free. If the indicator stays on and does not go out, the carbon loading amount of GPF is high. It is recommended to drive in the expressway driving cycle for active GPF regeneration. If this indicator lights up together with the engine emission fault (MIL) warning indicator, the carbon loading amount of GPF has reached a very high level, which is difficult to be eliminated even by active regeneration in the expressway driving cycle. Please contact an authorized service station of Dongfeng Forthing in time.
	Airbag system fault warning light (red)	If this indicator stays on during driving, the airbag is faulty. Please contact an authorized service station of Dongfeng Forthing.
	Unfastened seat belt reminder (red)	When the Start/Stop switch is set to "ON", if the driver or front passenger does not fasten the seat belt properly, this indicator lights up, which is normal and fault-free. Only after all front passengers fasten the seat belts, this indicator will go out and the alarm is released.
	Unfastened rear-row seat belt reminder (red)	When the Start/Stop switch is set to "ON", if a rear passenger does not fasten the seat belt properly, this indicator lights up, which is normal and fault-free. Only after all rear passengers fasten the seat belts, this indicator will go out and the alarm is released. This warning indicator behaves in a slightly different way depending on the configuration.
	Immobilizer indicator (red)	When the Start/Stop switch is set to "ON" position, if this light is flashing, it indicates that the smart key is unauthorized or the anti-theft authentication has failed. Please check if the smart key is correct. When the Start/Stop switch is set to "ACC" or "OFF", this indicator lights up intermittently every few seconds, indicating that the vehicle enters the anti-theft state, which is normal and fault-free.

System indicator	Name	Introduction
	Low oil pressure warning light (red)	When the Start/Stop switch is set to "ON", the indicator will illuminate; after the vehicle starts, the light will go out. This transition is a normal phenomenon. If this indicator stays on or flashes after the vehicle is started, the engine oil level is too low. Continuing driving may damage the engine. Please contact an authorized service station of Dongfeng Forthing.
	Camera blocking indicator (yellow)	When the driver assistance camera is dirty or blocked, this indicator flashes at a frequency of 1 Hz for 5 seconds and then stays on in yellow. In such a case, contact an authorized service station of Dongfeng Forthing.
	Camera fault warning light (red)	When the driver assistance system is abnormal, this indicator flashes at a frequency of 1 Hz for 5 seconds and then stays on in red. At this point, all subsystems of the driver assistance system cannot be used. Please contact an authorized service station of Dongfeng Forthing.
	ACC ON indicator (white)*	When the adaptive cruise control (ACC) function of the vehicle is turned on but the activation conditions are not met, this indicator lights up in white, which is normal and fault-free.
	ACC working indicator (green)*	When the ACC function of the vehicle is working, this indicator lights up in green, which is normal and fault-free.
	Intelligent cruise control ON indicator (white)*	When the traffic jam assist (TJA) system is turned on but the activation conditions are not met, this indicator lights up in white, which is normal and fault-free.
	Intelligent cruise control single function activated indicator (yellow)*	When the ACC function of the TJA system is activated, this indicator lights up in yellow, which is normal and fault-free.
	Intelligent cruise control dual function activated indicator (green)*	When the ACC and lane keeping assist (LKA) functions of the TJA system are activated at the same time, this indicator lights up in green, which is normal and fault-free.
	Lane departure system ON indicator (white)*	When the LCA system is turned on but its function is not activated, this indicator lights up in white, which is normal and fault-free.
	LCA system activated indicator (green)*	When the vehicle speed meets the system activation conditions, this indicator lights up in green, which is normal and fault-free. In this case, the system can perform lane departure warning.
	Lane keeping system ON indicator (white)*	When the lane keeping function is turned on but the activation conditions are not met, this indicator lights up in white, which is normal and fault-free.

Combination Instrument

System indicator	Name	Introduction
	Lane keeping system working indicator (green)*	When the lane keeping function is working, this indicator lights up in green, which is normal and fault-free.
	Forward collision warning (FCW) OFF indicator (yellow)*	When the forward collision warning (FCW) system is turned off, this indicator lights up in yellow, which is normal and fault-free.
	FCW system warning indicator (red)	When the FCW system detects a possible collision with an object ahead, alarms are given through sound and image. The indicator will flash in red, which is normal and fault-free.
	Automatic Emergency Braking (AEB) System OFF indicator (yellow)*	When the automatic emergency braking (AEB) system is turned off, this indicator lights up in yellow, which is normal and fault-free.
	AEB system warning light (red)*	When the AEB system is started, alarms are given through sound and image. This indicator will flash in red, which is normal and fault-free.

Introduction to Keys

Smart Key

1. Smart key indicator
2. Unlock button
3. Lock button
4. Trunk lid unlock button
5. Mechanical key

Taking out the mechanical key

Press the mechanical key release button on the side of the smart key to take out the mechanical key.

Replacing the battery

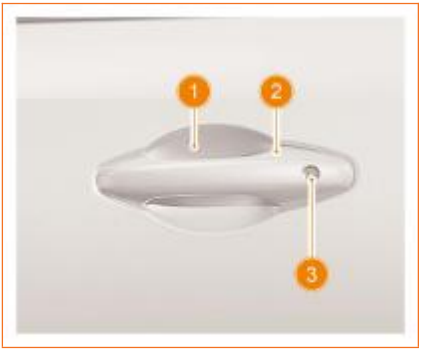
The battery in the smart key shall be replaced when the remote control distance of the smart key becomes shorter or the vehicle cannot be remotely controlled, or the vehicle fails to recognize the smart key due to low battery.

Immobilizer system

The immobilizer system is used to prevent the vehicle from being stolen. The vehicle will not start if the Start switch is pressed with an incorrectly coded key. When the Start/Stop switch is set to "ON", the immobilizer indicator lights up for a moment and then goes out. If the immobilizer indicator starts flashing, the immobilizer system fails to recognize the key code. Please contact an authorized service station of Dongfeng Forthing.

Door Locking and Unlocking

Intelligent Unlocking/Locking (for Models with PEPS)



1. Unlocking area
2. Locking area
3. Keyhole

Unlocking

Keep the smart key with you, and simply touch the inside of the handle (i.e., the unlocking area) to unlock all doors.

Locking

Keep the smart key with you, close all doors, and press the bar in the locking position of the handle (i.e. locking area) to lock all doors.

Note

When the vehicle is being washed or it is raining (the smart key is near the vehicle), water and rainfall may frequently trigger the sensing module on the handle, resulting in door locking/

Note

unlocking, which is not abnormal.

Remote locking and unlocking

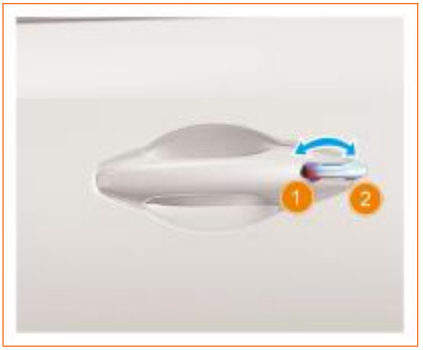
Unlocking

Press the unlock button on the smart key briefly, the four doors and the fuel filler cap will be unlocked, the turn signal will flash 2 times, and the interior lamps and position lamps will light up. Press and hold the unlock button, the glass of the four doors will open.

Locking

Press the lock button on the smart key briefly, the four doors and the fuel filler cap will be locked, the turn signal will light up once, and the horn will sound once. The interior lights gradually go out and the IVI system is turned off; press and hold the lock button, the glass of the four doors and the sunroof will be closed.

Unlocking/Locking with Mechanical Key



1. Locking
2. Unlocking

After the doors are closed, insert the mechanical key and turn it clockwise to unlock the four doors; turn it counterclockwise to lock the driver's door.

Interior locking and unlocking

Basic model

New model

Pull the interior handle twice to open the door

With the vehicle locked, pull the interior handle once, release it to reset, and then pull it again to open the door from inside.

Pull the interior handle once to open the door

With the vehicle unlocked, pull the interior handle once to open the door from inside.

Note

When the child safety lock of the rear door is locked, the door cannot be opened from inside.

Central Control Locking and Unlocking

Basic model

New model

1. Unlock button
2. Lock button

Press the lock button to lock all doors and fuel filler cap. The doors can be lock from inside only when all doors, trunk lid and fuel filler cap are closed. When all doors and the fuel filler cap are locked, press the unlock button to unlock all doors and the fuel filler cap.

Rear door child safety lock

1. Unlocking
2. Locking

After the rear door child safety lock is activated, the rear door cannot be opened from the inside of the vehicle, which helps to prevent children from accidentally opening the rear door.

Automatic door locking

If the four doors are closed and unlocked, they will be locked automatically when the vehicle speed exceeds 10 km/h.

Forced unlocking on collision

When the car doors are locked and the start switch is in the "ON" position, if the vehicle is subjected to a strong impact, all doors will automatically unlock. Depending on the intensity of the impact or the type of accident, the system may not function.

Opening and closing of the Trunk lid

Opening Trunk Lid from Outside

Ordinary trunk lid: Keep the smart key with you to the side of the trunk lid, and then press the microswitch to open the trunk lid manually.

Power trunk lid: Keep the smart key with you to the side of the trunk lid, and then press the microswitch to open the trunk lid automatically.

Unlocking, Opening and Closing Trunk Lid with Smart Key

Ordinary trunk lid: With the trunk lid closed, press and hold the trunk lid unlock button on the smart key to unlock the trunk lid.

Power trunk lid: With the trunk lid closed, press and hold the trunk lid unlock button on the smart key to open the trunk lid. With the trunk lid open, press and hold the trunk lid unlock button on the smart key to close the trunk lid.

Closing Power Trunk Lid Outside the Vehicle *

Basic model

New model

Press the trunk lid shield switch, the trunk lid will be closed. Press this switch again in the process of closing, the trunk lid will stop closing.

Opening and Closing Power Trunk Lid Inside the Vehicle *

With the trunk lid closed, press the trunk lid switch on the instrument panel switch set to open the trunk lid automatically.

With the trunk lid open, press the trunk lid switch on the instrument panel switch set to close the trunk lid automatically.

Interior emergency opening of trunk lid

If the lock actuator fails and the trunk lid cannot be opened, first remove the emergency opening cover plate on the inner shield of the trunk lid, push the emergency opening handle of the trunk lid lock to the left, and press the trunk lid backward with the other hand at the same time to open the trunk lid from inside.

Setting the Opening Height of Trunk Lid *

You can operate the trunk lid shield switch to set the opening height of the trunk lid:

1. Manually open the trunk lid to the desired height.

2. Press and hold the trunk lid shield switch until a sound signal is heard, indicating that the opening height is set successfully.

3. Close the trunk lid, and the next opening position is the set height.

Restore the maximum opening height *

1. Manually open the trunk lid to the highest position.

2. Press and hold the trunk lid shield switch until an audible signal is heard.

3. Close the trunk lid, and the next opening position is the maximum opening height.

Set the opening angle of power trunk lid via multimedia display screen *

1. Tap [Settings]-[Vehicle]-[Accessories]-[Power Trunk Lid Angle Adjustment] on the multimedia display screen in turn to enter the trunk lid height setting page.

2. According to the actual needs, after tapping the required height on the setting page, the combination instrument will give an audible tone, indicating that the setting is successful.

Note

The height setting of the power trunk lid on the multimedia display screen is a convenient extension function, and its opening height is for reference only. Please set the specific height according to the actual operation result.

Anti-pinch protection

When the trunk lid is being closed, if the control unit detects an obstacle, the trunk lid will stop closing and return to the preset maximum opening height.

When the trunk lid is being opened, if the control unit detects an obstacle, it will stop opening.

Warning

Make sure that there is no one nearby when opening or closing the trunk lid automatically. When operating the trunk lid, do not interfere with its movement in any form unless necessary.

Opening of trunk lid by induction*

The foot-activated sensor is located below the middle of the rear bumper. To open the trunk lid, kick at the position shown in the figure. After a sound signal is heard, the trunk lid will open automatically and the turn signals will flash.

Note

- Only when the vehicle is not started, the trunk lid can be opened by foot sensing.
- When operating the power trunk lid by kick, make sure that you have keep the smart key with you or within an effective control range about 1 m from the trunk lid. The kick sensing area is located in a width range of 50 cm on the left and right below the middle part of the rear bumper. Make sure that the kick is within the sensing area.
- In order to ensure the effectiveness, kick forward and back for 1~2 s. During operation, the distance between the foot/lower leg and the bottom/rear part of the rear bumper shall be controlled within 2 ~ 10 cm respectively. Choose the most suitable method after you have kicked multiple times according to the actual situation.
- Keep the foot-activated sensor clean. If the sensor surface is attached with ice, snow, dirt and other obstacles, the automatic opening function may not work normally.
- If you try to open the trunk lid by sensing for many times, this function may be temporarily deactivated and cannot be recovered in a short time.

Warning

- When using sensing to open the trunk lid, ensure that there are no personnel or other obstacles in the moving area of the trunk lid. After operation, please keep away from the moving area of the trunk lid to avoid injury to human body or vehicle.
- When the vehicle is cleaned automatically, please make sure the smart key is not near the trunk lid. If the trunk lid is opened unintentionally, it may be damaged.

Seat

Front Seats

Manual adjustment of driver seat (six directions)

1. Seat forward-backward adjustment lever
2. Seat height adjustment handle
3. Backrest angle adjustment handle

Forward-backward adjustment of the seat

The seat is designed to be 20 mm in front of the rearmost position and can be adjusted 220 mm forward and 20 mm backward.

Pull up the seat forward/backward adjustment lever, and the seat can slide back and forth. After sliding the seat to a desired position, release the adjustment lever and shake the seat forward and backward to ensure that the seat is fixed without movement.

Height adjustment of the seat

Lift up or press down the seat height adjustment handle to raise or lower the seat. After adjusting the seat to the desired height, release the seat height adjustment handle.

Backrest angle adjustment of the seat

The design angle of the backrest is 25°, which can be adjusted forward by 30° and backward by 60°. Adjust the backrest to a proper position according to your correct sitting posture so that your back can fully fit with the backrest.

To adjust the backrest angle forward or backward, the driver shall sit in the seat first, lift up the backrest adjustment handle, tilt the back forward or slightly press the backrest backward to turn the backrest to a desired

position, put down the backrest adjustment handle and shake the backrest forward and backward to ensure that the backrest is locked in place.

Electric adjustment of driver seat*

1. Backrest and lumbar support adjustment button *
2. Seat forward/backward/height adjustment button
3. Backrest angle adjustment button

Forward-backward adjustment of the seat

Push the seat forward/backward/height adjustment button gently forward or backward to move the seat forward or backward.

Height adjustment of the seat

Push the seat forward/backward/height adjustment button upward or downward gently to raise or lower the seat as a whole.

Backrest angle adjustment button

Push the upper part of the backrest angle adjustment button forward or backward gently to adjust the seat backrest angle forward or backward.

Backrest and lumbar support adjustment *

Gently press the forward, backward or upward and downward position of the backrest and lumbar support adjustment button (for some models, it can only be adjusted forward and backward) to adjust the position of the lumbar support. After adjusting to a proper position, release the button.

Manual adjustment of front passenger seat (four directions)

1. Backrest angle adjustment handle
2. Seat forward-backward adjustment lever

The method for the forward/backward and backrest angle adjustment of the front passenger manual seat is the same as that of the driver manual seat.

Electric adjustment of front passenger seat (four directions)

1. Backrest angle adjustment button
2. Seat forward-backward adjustment button

The method for the forward/backward and backrest angle adjustment of the front passenger power seat is the same as that of the driver power seat.

Boss key

1. Seat forward-backward adjustment button
2. Backrest angle adjustment button

The method for forward/backward and backrest angle adjustment of the boss button is the same as that of driver power seat.

Rear Seats

Folding the rear-row seat backrest

The rear seats are composed of rear left seat and rear right seat, with 4/6 folding function to increase the trunk space and facilitate storing large items.

Lift the front end of the seat cushion with force, pull it forward to a position where its front end contacts the front seat backrest, and then turn over the seat cushion so that its front end faces downward to contact the floor and form an angle approximately perpendicular to the floor.

Pull up the locking buckle at the top of the backrest to unlock the seat backrest lock, and then gently fold the seat backrest forward.

Turning back the rear-row seat backrest

1. Flip the seat backrest backward and push it hard to secure the lock.

2. Lift the front end of the cushion to make its rear end close to the seat basin, as shown in the figure above. Gently press down the front end of the cushion to make it move backward and downward naturally until the rear end of the cushion is inserted under the backrest. Then press down the front end of the cushion to lock the cushion lock into the locking slot.

Note

- Adjust the seat position before driving.
- When there is a child in the vehicle, make sure to have an adult adjust the seat. If the child adjusts the seat, an accident may occur. If there is an unfixed cushion or similar object on the seat in case of emergency braking or collision, it may cause the body to slide forward, thus causing accidental injury.
- Do not place a cushion or any other similar object between your back and the backrest during the driving. Otherwise, the headrest will lose its protective function in case of an emergency.

Seat heating, ventilation and massage *

See "Seat (Ventilation/Heating/Massage) Settings" in Chapter V "IVI System" for specific operation methods.

Warning

If the body is unable to perceive pain and temperature due to medication, paralysis, or other medical conditions, do not use the seat heating function, otherwise it may cause body burns.

Note

- Avoid kneeling on the seat or making the seat bear concentrated load to prevent damage to the seat heating element.
- Do not clean the seat with wet cleaning method.
- Do not place the seat cushion when the seat heating function is activated.

Seat Memory *

The driver's seat of some models has a memory function. For specific operation methods, please refer to the chapter "User Personalized Memory" in Chapter V "IVI System".

Headrest adjustment

Headrest position

Adjust the height of the headrest to make its top not lower than the top of the driver's head, which can reduce the risk of neck injury in case of emergency braking.

Front Seats

Adjustable type

To raise or lower the headrest, press the adjustment switch on the side of the seat headrest, lift up or press down the headrest to the desired height, and then release the switch. Press down or lift the headrest slightly again until a click is heard to make sure the headrest is locked in place.

Integrated type

The seat is of one-piece type, and the headrest cannot be adjusted.

Rear-row seat

Basic model

The adjustment of the rear seat headsets on this model is the same as that of the corresponding front seat headsets.

New model (three headrests)

The rear seat headrest of this model is adjusted in the same way as the front seat adjustable headrest.

New model (two headrests)

The rear seat headrest of this model is adjusted in the same way as the front seat adjustable headrest.

Note

- The lowest position of the headrest is not its intended usage position. When in use, be sure to adjust the headrest to the locked position.
- After adjusting the headrest, press the headrest to make sure it is locked firmly.

Warning

- Do not drive with the headrest removed; otherwise, passengers will be seriously injured in case of an accident.
- The headrest must always be in the locking position. If the headrest is removed or improperly adjusted/installed, it is easy to cause injuries to the driver and passengers in case of emergencies or emergency braking during driving.
- Do not adjust the headrest while driving.

04

Steering Wheel

Steering wheel adjustment

Adjust the steering wheel up, down, forward and backward to a proper position by adjusting the adjustment handle on the steering column. After adjustment, make sure that the adjustment handle is fully locked.

Warning

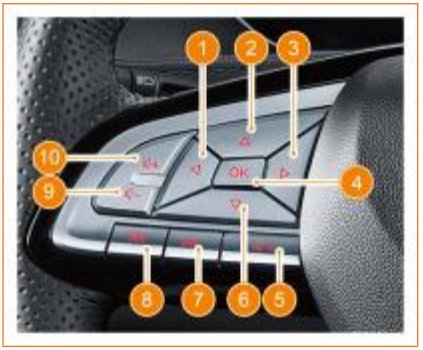
Do not adjust the steering wheel when the vehicle is running, so as to avoid losing control of the vehicle.

Horn

The horn switch is located in the middle of the steering wheel. Pressing the horn switch can remind pedestrians and other vehicles to reduce accidents. Reasonable use of the horn helps ensure driving safety.

Steering wheel button on the left side

Type I



1. Left button
2. Up button
3. Right button
4. OK button
5. Bluetooth phone/voice wake-up button
6. Down button
7. Forward button
8. Backward button
9. Volume down button
10. Volume up button

Type II

1. Brightness up button
2. Page turning button
3. Bluetooth phone button
4. Brightness down button
5. Forward button
6. Backward button
7. Volume down button
8. Volume up button

Steering wheel button on the right side

Type I

1. Resume/acceleration button
2. Lane keeping button
3. Cruise pause button
4. ACC ON/OFF button
5. Custom button
6. WeChat button
7. Vehicle speed settings/deceleration button
8. 360° panoramic view button
9. Following distance adjustment button

Type II

1. Resume/acceleration button
2. Cruise pause button
3. Cruise control switch button
4. Custom button
5. WeChat button *
6. Vehicle speed settings/deceleration button
7. 360° panoramic view button *

Interior rearview mirror

Please keep the rearview mirror clean and adjust it to the best viewing angle. Adjust the rearview mirror before driving.

Anti-glare Adjustment of Interior Rearview Mirror

Gently pull the tab at the bottom edge of the interior rearview mirror to switch the mirror reflection state in order to prevent dazzling.

Exterior Rearview Mirror

Please keep the rearview mirror clean. Before driving, adjust the rearview mirror to the best viewing angle.

Electric adjustment of exterior rearview mirror

1. Mirror adjustment switch
2. Left/right changeover switch

The mirror adjustment switch can be used to adjust the rearview mirror to the best viewing angle, and the left/right changeover switch can be used to select the rearview mirror on the corresponding side for mirror angle control.

Folding and unfolding of exterior rearview mirror

Swipe down on the multimedia display screen, tap "Rearview Mirror Folding", or tap [Settings]-[Vehicle]-[Accessories] on the screen in sequence to enable [Automatic Folding of Exterior Rearview Mirror] function, and then the rearview mirror can be folded and unfolded electrically.

Set the automatic folding of rearview mirrors to ON state, then put the Start/Stop switch to "OFF", close the four doors, and press the lock/unlock button on the smart key to realize automatic folding and unfolding of rearview mirrors.

Note

- Before driving, make sure that the exterior rearview mirrors are unfolded and then adjust the mirror angle to ensure driving safety.
- If there is snow on the exterior rearview mirror in snowy weather, please remove the snow before operating the exterior rearview mirror to avoid damaging it.

Exterior rearview mirror memory*

Some models are equipped with the exterior rearview mirror memory function. For specific operation methods, please refer to "User Personalized Memory" in Chapter V "IVI System".

Exterior rear-view mirror automatic tilting-down in reversing *

Tap [Settings]-[Vehicle]-[Accessories] on the display screen in sequence to enable the [Reversing rearview mirror tilt-down] function. When the vehicle is reversing, the exterior rearview mirror can automatically tilt down for a certain angle in order to help the driver check the road conditions.

The heating & defrosting of exterior rearview mirror

The heating and defrosting function of exterior rearview mirrors allows removing fog, frost and thin ice on the exterior rearview mirrors. After starting the vehicle, press the rear windshield defrosting button on the A/C control panel to turn on or off the defroster. If the button indicator lights up, the defroster is working.

Power Window

1. Rear left window switch
2. Front left window switch
3. Window lock switch
4. Locking switch of central control
5. Unlocking switch of central control
6. Front right window switch
7. Rear right window switch

Manually open/close the window

Pull up or press and hold the window switch to manually regulate the window.

Automatically opening/closing windows

Pull up or short press the switch to automatically raise or lower the window. If you want to stop the window midway, press or pull up the switch again.

Remotely opening/closing windows

When the Start/Stop switch is set to "OFF" and the fuel filler cap, trunk lid and four doors are closed, press and hold the unlock button on the smart key for more than 2 s, and the four windows will descend simultaneously until they are fully opened; press and hold the lock button on the smart key for more than 2 s, the four windows will ascend simultaneously until they are fully closed.

Window locking switch

The window locking switch is on the door of driver side, closing to the window switch. Press the window lock switch to disable the operation of front passenger side windows and rear windows.

When the lock function is activated, the front passenger side window and rear windows can still be controlled to ascend or descend by the control switch of the driver side power window. To restore the power operation of the front passenger side window and rear windows, press this switch again.

Power window thermal protection

If the power window is operated repeatedly in a short time, it will trigger the motor protection function and cause failure of the control switch of the power window. To restore the power window operation, wait for a while before operating the power window again.

Anti-pinch function

During the automatic closing operation of the power window, if the window touches an obstacle, it will stop and move in the opposite direction for a certain distance. If an impact or a situation similar to a window obstruction occurs, the automatic anti-pinch function will also come into effect.

Anti-pinch power window activation conditions

The Start/Stop switch is set to the "ON" position or within approximately 60 seconds after the vehicle is shut down.

Initialization learning of anti-pinch power window

If the vehicle battery is recharged, disconnected or does not work normally, or if the door shield and door control module are replaced, it is necessary to re-conduct initialization learning of the power window with anti-pinch function so that the automatic operation and anti-pinch function can be used normally.

Steps of initialization learning

1. Pull up the power window switch gently to close the window and hold it there until the window is completely closed for more than 2 s.

2. Press down the power window switch gently to open the window and hold it until the window is fully opened for more than 2 s.

3. Pull up the power window switch gently until the window is closed.

4. The above steps need to be performed consecutively to ensure successful learning.

If the power window still cannot work normally after the above operations, please contact the authorized service station of Dongfeng Forthing.

Note

- When operating the window, make sure that no part of the passenger's body is pinched.
- Do not allow a child to operate the window.
- If someone gets pinched while closing the power window, some injuries may occur.
- Do not activate the anti-pinch function by intentionally trapping any part of the body.
- The anti-pinch function may not work if any object is pinched when the window is about to be fully closed.

Automatic window closing on rainy days

For some models, the automatic window closing function in rainy days can be enabled in multimedia settings. In such a case, the window will close automatically when it rains.

Sunroof

Panoramic sunroof

1. Sunshade opening switch
2. Sunroof opening switch
3. Sunroof closing switch
4. Sunshade closing switch

Ordinary sunroof

1. Sunroof closing switch
2. Sunroof opening switch

To improve interior light and air circulation, the sunroof and its sunshade can be opened. To operate the sunroof switch, the Start/Stop switch must be in the "ON" position.

Sunroof tilting/closing

Panoramic sunroof model

With the sunroof closed, tap the sunroof opening switch, and the sunroof will tilt and the sunshade will be opened synchronously.

With the sunroof tilted, tap the sunroof closing switch and the sunroof will be closed.

Power sunroof model

With the sunroof closed, tap the sunroof closing switch, and the sunroof will tilt.

With the sunroof tilted, tap the sunroof opening switch and the sunroof will be closed.

Sunroof opening/closing

Panoramic sunroof model

With the sunroof closed, tap the sunroof opening switch, and the sunroof will slide backward and tilt and the sunshade of the sunroof will be opened synchronously. Tap the sunroof opening switch again, and the sunroof will be opened fully by one touch.

With the sunroof open, tap the sunroof closing switch, and the sunroof will be closed by one touch.

During the one-touch opening/closing of sunroof, tap the sunroof control switch again to stop it at the current position.

Power sunroof model

With the sunroof closed, tap the sunroof opening switch, and the sunroof will be opened fully by one touch.

With the sunroof open, tap the sunroof closing switch, and the sunroof will be closed by one touch.

Sunshade opening/closing

Tap the sunshade opening/closing switch to open or close the sunshade. To stop the sunshade, operate any sunshade switch once again.

For models equipped with panoramic sunroof, when the sunroof is open, the sunshade cannot be closed beyond the sunroof opening position (sunshade follow-up function).

Anti-pinch protection

The sunroof sunshade/glass has the anti-pinch protection function within 200 mm from full closing. When the sunroof sunshade/glass touches abnormal resistance or an obstacle in its automatic closing process, it will automatically stop midway and return for a certain distance. This function can prevent personal injury.

Initialization

When the sunroof system cannot be closed in place, it can be recovered by the following operations: With the sunroof glass and the sunshade fully closed, press and hold the glass closing switch for about 6~8 s, and then the sunroof glass will move back and forth for less than 10 mm. Release the sunroof switch, and after 5 s, press and hold the glass closing switch again. The sunroof glass will automatically open completely first and then close for one cycle. At this time, release the sunroof switch and the sunroof initialization is completed.

Remote sunroof closing function

When the vehicle is switched off, the sunroof cannot be operated. If the sunroof is open at this time, it can be closed with the smart key.

1. If "Press briefly" is selected for the remote control window closing function on the multimedia display screen, the sunroof will be closed automatically when the lock button on the smart key is pressed briefly.

2. If "Press and hold" is selected for the remote control window closing function on the multimedia display screen, press the lock button of the smart key for more than 3 s and the sunroof will close automatically.

Delayed closing function

The sunroof can be operated for opening/closing within 30 s after the Start/Stop switch is turned off.

Thermal protection function of sunroof motor

To prevent abnormal function caused by overheating of the sunroof motor, after the sunroof is operated continuously for 120 s (under normal resistance state), the thermal protection function will be activated and the motor will enter the sleep state and will not work. After the recovery time (21 s), the motor can continue working. Since the motor temperature is not completely reduced to room temperature, the continuous operation time in this state is less than 120 s.

Sunroof voice control and remote control*

Activate the voice system in the vehicle, and the sunroof can be opened/closed through the "Sunroof Opening/Closing" command of the voice system.

The sunroof can be opened/closed remotely through the mobile phone application connected to the vehicle.

Note

Only models with panoramic sunroof have voice and remote control functions of the sunroof.

Warning

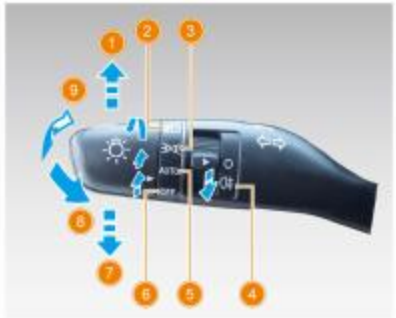
- To avoid accidents, do not put your head or other body parts out of the sunroof when it is closing or during driving.
- Do not leave a child alone in the vehicle, especially when the Start/Stop switch is set to "ON". Otherwise, the child may play with the sunroof switch and cause an accident.

Glass roof

The glass roof is made of integral glass and cannot be opened. The canopy of some models has a starry sky pattern.

Lights

Exterior lights



1. Right turn signal
2. Low beam
3. Position light
4. Rear fog light
5. Automatic lighting
6. Headlamp OFF state
7. Left turn signal
8. High beam flashing
9. High beam

High/low beam switching

With the low beam on, push the control lever toward the instrument panel to the limit position to turn on the high beam; pull it back towards the steering wheel to turn off the high beam.

Daytime running light

The daytime running light is mainly used in the daytime and can be automatically turned on, so that other drivers can see your vehicle more clearly to ensure driving safety.

Automatic lighting on system

When the multi-function switch is turned to the AUTO position, the headlamp and other exterior lamps will turn on or off automatically depending on the ambient brightness.

Rear fog lamp ON/OFF

With the low beam on, pull the rear fog lamp switch downward to turn on the rear fog lamp; pull the rear fog lamp switch again to turn off the rear fog lamp.

Follow Me Home

Pull the light control handle back once within 5 min after the vehicle is switched off, and "Follow Me Home" function will be activated. At this time, the low beam lamps will be turned on automatically.

After the door is locked for 30 seconds or the "Follow Me Home" function is turned on for 5 minutes, the low beam will be automatically turned off.

Headlight height adjustment

When the vehicle is loaded, the rear part of the body sinks and the low beam is raised, which will affect the sight of the oncoming driver and cause potential safety hazards. The headlamp height shall be adjusted as follows: Turn the Start/Stop switch to "ON", turn on the headlamp, and select [Vehicle]-[Light]-[Headlamp Height Adjustment] in the settings of multimedia display screen, including 4 levels: low, medium, high and highest.

Courtesy lamp *

The courtesy lamp is located under the exterior rearview mirror and used to illuminate the ground at night.

Interior lights

Front interior light

1. Front left interior light switch
2. Door control switch
3. Front right interior light switch

Door control switch operation

When the "O" end of the door control switch is pressed, the door control will be turned off.

When the "I" end of the door control switch is pressed, all interior lamps will light up.

When neither of the "O" and "I" ends are pressed, the interior lamps will light up or go out along with opening and closing of four doors.

Interior light switch

When the door control switch is parallel to the panel or the "O" end is pressed, the interior lamps are controlled by corresponding left/right interior lamp switches. The lamps will light up when the switches are pressed down and go out when they pop up.

Rear interior light

Double-sided

Integrated type

1. Interior light switch
2. Left interior light switch
3. Right interior light switch

When the door control switch is parallel to the panel or the "O" end is pressed, the rear interior lamp will be controlled by the interior lamp switch.

Note

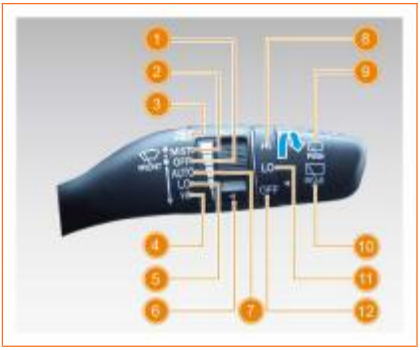
If the interior lamps stay on after the vehicle is switched off, the battery may run out. Before leaving the vehicle, make sure that all interior lamps are off.

Trunk light

When the trunk lid is opened, the trunk lamp will light up automatically to facilitate storage of articles.

Wiper

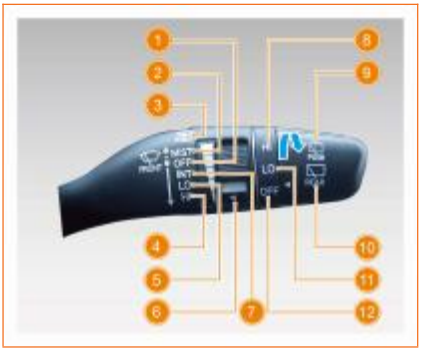
Adjustable Sensitivity Type



1. Front wiper OFF
2. Front wiper inching
3. Front wiper spraying
4. Front wiper high speed wiping
5. Front wiper low speed wiping
6. Automatic wiper sensitivity adjustment ring
7. Front wiper automatic mode
8. Rear wiper high speed wiping
9. Rear wiper spraying
10. Rear wiper ON
11. Rear wiper low speed wiping

12. Rear wiper OFF

Adjustable Intermittence Type



1. Front wiper OFF
2. Front wiper inching
3. Front wiper spraying
4. Front wiper high speed wiping
5. Front wiper low speed wiping
6. Intermittent time adjustment ring
7. Front wiper intermittent mode
8. Rear wiper high speed wiping
9. Rear wiper spraying
10. Rear wiper ON
11. Rear wiper low speed wiping
12. Rear wiper OFF

Wiping speed adjustment

Pull the wiper adjustment lever up and down to switch the front wiper speed between MIST, OFF, AUTO/ INT, LO and HI positions. Rotate the rear wiper speed adjusting knob clockwise or counterclockwise to switch the rear wiper speed between HI, LO and OFF positions.

Automatic wiping sensitivity adjustment*

When the front wiper automatic mode is turned on, turn the automatic wiper sensitivity adjusting ring clockwise or counterclockwise to adjust the automatic wiping sensitivity which increases from top to bottom. The greater the sensitivity, the higher the wiping speed.

Intermittent time adjustment

When the front wiper intermittent mode is turned on, turn the intermittent time adjusting ring clockwise or counterclockwise to adjust the intermittent time, which decreases from top to bottom. The shorter the intermittent time, the higher the wiping speed.

Front windshield washing

Pull the wiper multi-function switch back towards the steering wheel and hold it, then the front windshield washer will start to work and the wiper will wipe at a low speed.

Rear windshield washing

Push out the wiper multi-function switch towards the instrument panel and hold it, then the rear windshield washer will work and the wiper will wipe at a low speed.

Wiper repair mode

When the Start/Stop switch is set to "OFF", pull up the wiper multi-function switch, and the front wiper will stop at a position close to the maximum height for easy maintenance of the wiper blade. When the Start/Stop switch is turned to "ON" position again, the front wiper will automatically return to its original position.

Warning

When checking, cleaning or replacing the wiper in the rain light sensor area, please turn off the automatic wiper function to avoid injury.

Note

As the detection characteristics of the sensor are affected by light, it is normal that the wiper may wipe under the following conditions:

- When passing by areas where light changes obviously, such as woods and overpasses.
- Foreign matters, such as leaves, fall on the sensor area.

Note

- The vehicle is passing through a dusty area, such as following a large vehicle or driving on a construction section.

The following places or obstacles will disable detection or cause detection failure:

- Foreign matters are attached to the sensor surface.
- The non-standard communication equipment installed on the vehicle may also affect the function of this system during use.

USB interface

Front USB Interface of Console

The front USB interface is located in the upper storage box of the console. Press the storage box cover to open it for use. It can only work when the Start/Stop switch is set to "ON" or "ACC".

Note

To use the USB interface, insert a USB flash drive and adjust the multimedia display screen function to the USB play mode. After use, cover the storage box to prevent dust from contaminating the USB interface or water dropping into the USB interface, resulting in failure of the USB interface function.

Lower USB Charging Interface of Console

The lower USB charging interface of the console is located above the lower storage tank of the console. It can only work when the Start switch is set to "ON" or "ACC".

Rear-seat USB charging port

The USB charging interface at the rear row is located below the rear-row air outlet of the console. It can only work when the Start/Stop switch is turned to "ON" or "ACC".

Note

- When the USB power interface is not used, close the dust cover tightly.
- The USB power interface only provides charging function, with the maximum charging current of 2.3 A. Do not insert a high-current electrical appliance to avoid fire.
- Do not insert metal foreign matters into the interface to avoid fire caused by short circuit.

Note

- When plugging and unplugging the USB data cable, try to keep it in the same direction as the USB interface without tilting, which can save the plugging force and avoid damage to the USB interface.

12V on-board power supply

The 12 V on-board power supply is located above the lower storage tank of the console. It can work only when the Start/Stop switch is set to "ON" or "ACC".

Note

- When the 12 V on-board power supply is not used, close the dust cover tightly.
- The maximum output power of the 12V on-board power supply is 120W. Do not insert high-power electrical appliances to avoid fire.
- Do not allow children to use or touch the 12 V on-board power supply, and do not insert metal foreign matters into the power interface to avoid short circuit and fire.
- The 12V on-board power supply is only used for power supply. Do not insert the cigarette lighter into the 12V on-board power socket to avoid fire caused by short circuit.

Wireless Charging *

The wireless charging device is located in front of the lower storage tank of the console. It can be used to charge portable chargeable devices (such as mobile phones) that support wireless charging.

Note

The portable device to be charged, both the device itself and its external wireless charging case, must comply with national wireless charging standards.

Charging

Before charging, make sure that there is no interference from other objects in the wireless charging area. When the Start/Stop switch is set to "ON" or "ACC", place the portable device to be charged in the middle of the charging area, and judge whether the charging is successful according to the charging state indication of the portable chargeable device.

After charging is completed, it will automatically stop. If it is necessary to stop charging midway, remove the portable chargeable device being charged from the surface of the wireless charging device.

Note

The wireless charging device can only support one portable chargeable device for charging at a time.

Operating

The charging mode is managed by the portable chargeable device. The charging function may be interrupted when the door is opened.

During charging, moving the device being charged may interrupt the charging function.

Forgotten Device Reminder Function

The wireless charging device has a forgotten device reminder function.

Triggering condition

1. A portable chargeable device is being charged on the surface of the wireless charging device.

2. The Start switch is switched from "ACC" or "ON" to "OFF".

3. The driver's door is opened.

If the above conditions are met at the same time, the combination instrument will display "Mobile Phone Forgotten" and buzz for 30 s. If any conditions change during this period, the reminder function will be turned off.

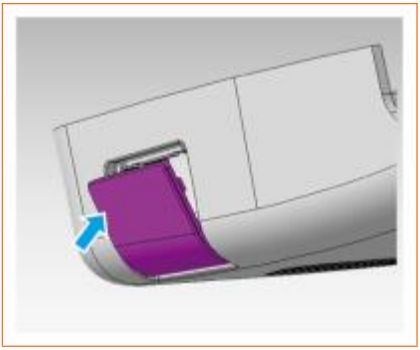
Dash cam*

1. Dash cam memory card

Please confirm whether the TF card is inserted into the recorder before using it for the first time. The TF card slot of the recorder is located on the left side of the dash cam. Remove the cover on the left side of the dash cam to see the rubber plug of the TF card slot. Pull out the rubber plug of the slot, and the TF card can be inserted and pulled out. When inserting the card, make sure that the TF card text marking faces up.

If it is a new card, it is recommended to format it in the settings of the dash cam APP first. The dash cam supports 8 G~64 G memory.

Removal and Installation of TF Card Plug



As shown in the figure, pry up the plug with a straight screwdriver at its upper part to take out the TF card. For installation, pre-install the lower end of the plug in place and screw the plug upward to fasten it.

Turning On and Off the Dash Cam

ON

When the Start/Stop switch is turned from "OFF" to "ACC" or "ON", the dash cam starts working and enters the video recording state.

OFF

When the Start switch is turned from "ACC" or "ON" to "OFF", the dash cam will be shut down automatically or with a delay (the delay time can be selected in the setting menu).

Display of dash cam state

The video recording status of the dash cam can be viewed on the status bar of the multimedia display screen. The specific meaning is as follows:

	Vehicle travelling data recorder is recording
	Vehicle travelling data recorder is abnormal
	SD card is abnormal
	SD card is full

Operating Instructions for Dash Cam

Operate the dash cam through "AI Forthing" APP. Refer to the dash cam section in Chapter V "IVI System" for specific operation methods.

Note

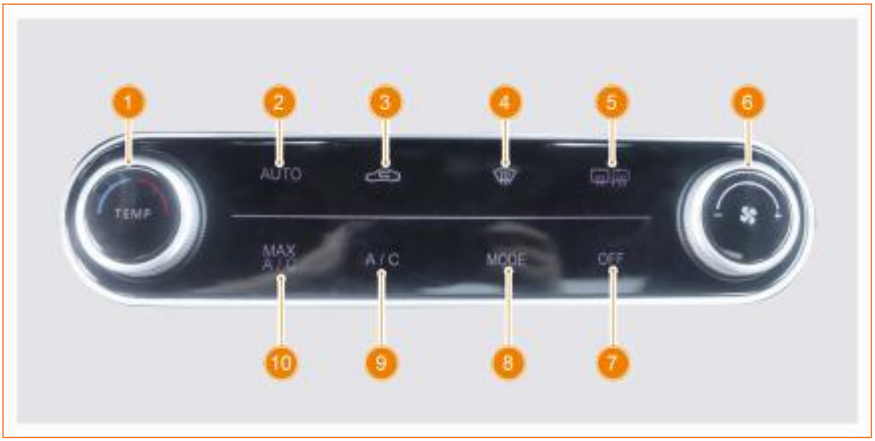
It is forbidden to operate the dash cam when driving, so as not to distract attention and cause accidents. Please properly set relevant items before driving.

A/C System

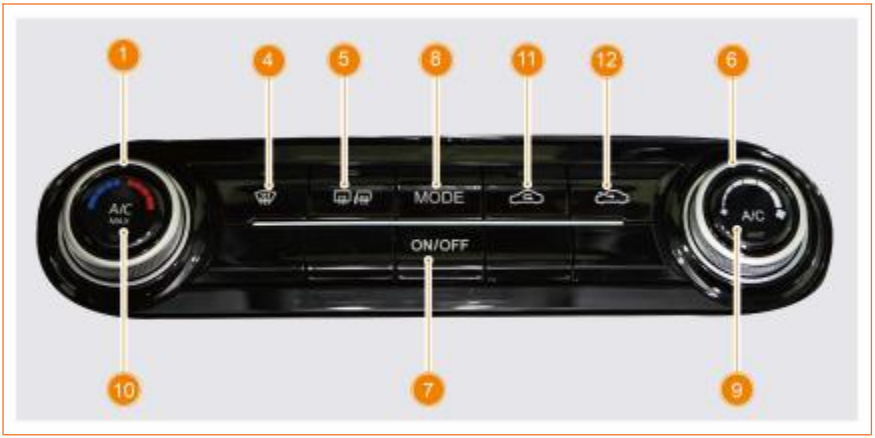
A/C Button on the Central Control Panel

For details of the A/C multimedia display screen interface, refer to "A/C, Seat Heating, Ventilation and Massage Settings" in the IVI system.

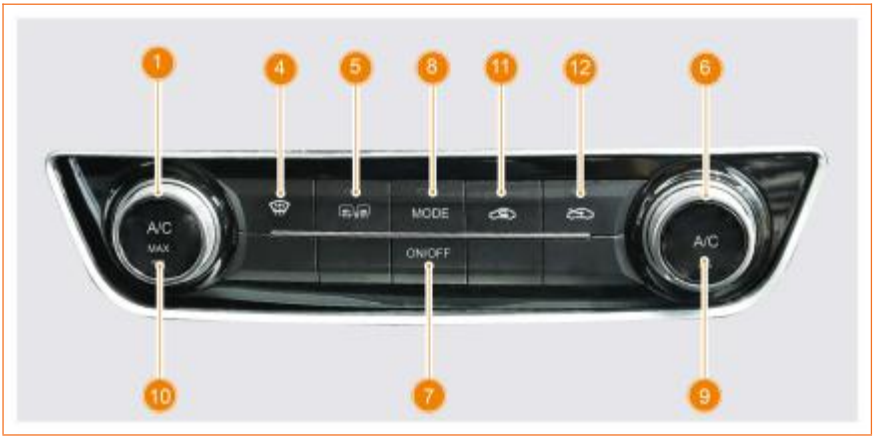
Automatic A/C



Electric A/C



Manual A/C



1. Temperature adjustment knob
2. AUTO button
3. Internal/external circulation switch button
4. Front defroster ON/OFF button
5. Rear defrosting switch
6. Air volume adjustment knob
7. A/C system ON/OFF button
8. Blowing mode adjustment button
9. A/C ON/OFF button
10. Maximum cooling ON/OFF button
11. Internal circulation button
12. External circulation button

Description of A/C control system button

Temperature adjustment knob

It is used to set the interior temperature.

AUTO button

When this button is pressed, the system will enter the full-automatic state from the non-automatic state, and the system will automatically adjust the interior temperature.

Internal/external circulation switch button

Press this button to start interior air circulation, and the working indicator will light up (yellow); press it again to switch to exterior circulation, and the working indicator will go out. When driving through smoky and dusty areas, set the switch to the internal circulation mode and then return to the external circulation mode later.

Front defroster ON/OFF button

Press this button to turn on or off the front windshield defrosting/demisting function. When it is turned on, mist or frost on the window can be quickly removed.

Rear defrosting switch

Press this button to turn on or off the rear windshield/exterior rearview mirror defrosting function.

The rear windshield defrosting function allows removal of fog, frost and thin ice on the rear windshield and exterior rearview mirrors. If the rear defrosting function is not turned off manually, it will be automatically turned off in 10~20 min.

Air volume adjustment knob

This knob is used to adjust the air volume at the air outlet.

A/C system ON/OFF button

Press this button to turn on or off the A/C system.

Blowing mode adjustment button

Press this button to select the blowing mode. In all modes, some air flow will blow out from the corner air outlet of the instrument panel. Each time this button is pressed, the selected mode will be displayed on the display screen.

 :Head mode.

 :Head and foot mode.

 : Foot mode.

 Air-to-footwell and defrosting mode.

A/C ON/OFF button

Press this button to turn on or off the A/C cooling.

Maximum cooling ON/OFF button

Press this button to enter the maximum cooling mode, with the highest air volume and lowest temperature.

A/C operation tips

One-tap cooling

Swipe down at the top of the multimedia display screen to call out the swipe-down function menu, tap the one-touch cooling button to enable the one-touch cooling function, and the interior temperature can be reduced quickly.

Quick demisting

Press the front defroster ON/OFF button to enter the front windshield defrosting/demisting function, and press it again to turn off the front defrosting function.

Replacement of A/C filter element

Replace the A/C filter element regularly as specified in the regular maintenance table. It is recommended to shorten the replacement interval/mileage if the vehicle often drives in dusty places.

Internal circulation button

When this button is pressed, air will circulate in the vehicle and the working indicator will light up (yellow). When driving through smoky and dusty areas, set the switch to the internal circulation mode and then return to the external circulation mode later.

External circulation button

When this button is pressed, the air will come from outside of the vehicle and the working indicator will light up (yellow).

Position of air outlet

Front outlet

1. Windshield side defogging air outlet
2. Front windshield defogging outlet
3. Right air outlet
4. Front-row footwell air outlet
5. Central air outlet
6. Left air outlet

Rear air outlet

1. Rear-row middle air outlet

Adjustment of airflow and direction

Turn the air outlet switch knob clockwise to close the air outlet, and counterclockwise to open the air outlet. The air direction can be changed by moving the grille in the middle of the air outlet up and down, left and right.

Roll the roller up and down to open and close the rear-row air outlet, and move the grille in the middle of the air outlet up and down, left and right to change the air direction.

Notes to users

1. When using the infotainment system (hereinafter referred to as "the system"), please read the relevant operating instructions carefully. If the system is damaged due to failure to follow the operating instructions, the warranty service will not be available.

2. Some operating instructions will be slightly different due to different vehicle configurations and system version updates. Please refer to the actual vehicle.

3. The driver must comply with relevant regulations when using this system, and must park the vehicle in a safe place before operating, such as entering or changing the destination. In addition, according to regulations, after reaching a certain speed, in order to ensure your driving safety, the system will not display certain functions.

4. If the operation is too frequent, the system may take a while to respond. Be patient and do not operate repeatedly.

5. If the system is abnormal, do not repair it by yourself, but contact the Forthing Special Service Station for maintenance in time.

6. When the vehicle is not started, do not use the system for a long time to avoid running out of the 12V low-voltage battery power.

7. Do not use sharp objects to touch, rub, or strike the display, and do not splash liquids onto the display, as this may cause damage to the display.

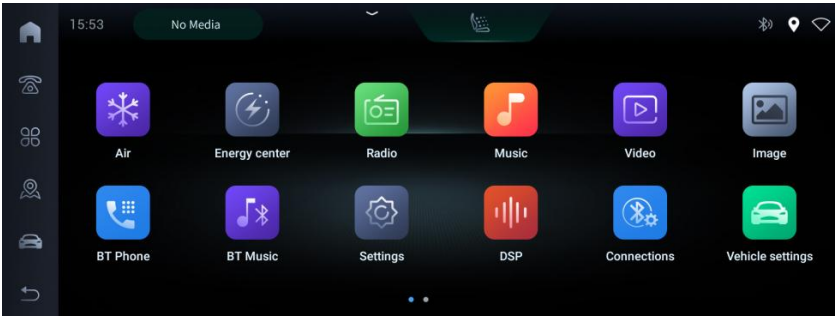
8. Do not paste metal film on the front windshield surface, which may cause some functions in the network and navigation to fail.

9. The use of navigation and network functions may be affected in areas with weak network signal such as remote areas, mountainous areas, tunnels or underground parking lots. After leaving these areas, the network signal will be restored automatically.

Homepage

Page 1

Page 2

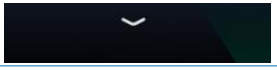


1. Home button: Click this button in any interface to return to the home page.

2. Media information area: It displays the currently played media information. Click to quickly enter the application that is playing the media.

3. A/C zone: It displays A/C status, including fan mode and temperature. Click to expand the A/C details page.

4. Status zone

Icon	Description
	It displays the currently played media information. Click to quickly enter the application that is playing the media.
	Click the dropdown bar to view status bar information.
	Click to enter seat ventilation, heating, massage and other functions
	WIFI status and signal strength
	It displays USB connection status
	It displays Bluetooth connection status
	It displays hotspot ON status
	Mute
	DVR status, from left to right: recording, device abnormal, memory card abnormal, memory card full

5. Application area: Click the corresponding icon to enter the corresponding application on the second page.

6. Scenario mode: Click to enter various scenario modes.

Drop-down shortcut menu

Swipe down at the top of the display to bring up the drop-down quick menu

1. Right quick control switch area:

Bluetooth: Click to turn on/off Bluetooth function, and long press to enter the Bluetooth setting interface.

WiFi: Click to turn on/off the WiFi function, and long press to enter the WiFi setting interface.

2. Quick volume/brightness adjustment:

Multimedia volume adjustment: Swipe the control ball up and down to adjust the multimedia volume.

Bluetooth call volume adjustment: Swipe the control ball up and down to adjust the Bluetooth call volume.

Display brightness adjustment: Swipe the control ball up and down to adjust the display brightness.

3. Quick control switch area at the bottom left:

Mode: Day mode/night mode

Mute: Click to mute, and click again to restore

Standby: Click to enter the display standby interface.

Rearview mirror folding: Click to fold/unfold the rearview mirror.

Front radar *: Click to turn on/off the front radar.

Seat settings: Click to enter the seat adjustment interface.

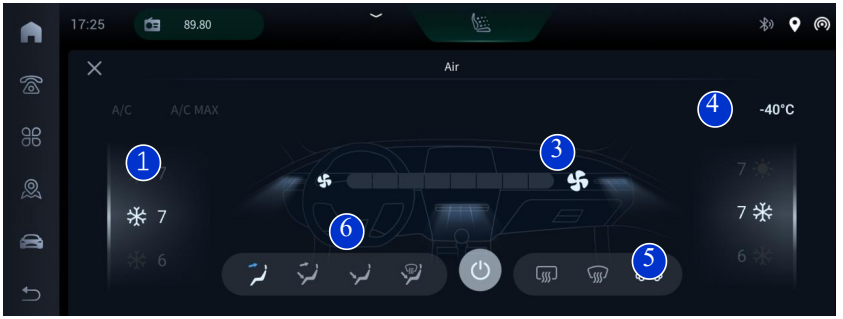
Steering wheel heating *: Click to turn on/off the steering wheel heating.

A/C, seat heating, ventilation and massage settings

1. A/C settings

You can enter the A/C page by pressing any interface of the A/C panel or clicking on the A/C status bar. Depending on the vehicle configuration, the A/C details page may display one of the following two states.

Electric A/C:



Automatic A/C:

(1) A/C position adjustment (electric A/C)

(2) A/C temperature adjustment (automatic A/C)

(3) Depending on the configuration, dual-zone, negative ion, electric auxiliary heating functions, and air quality can be enabled/disabled, subject to your model configuration.

(4) It displays outside engine temperature

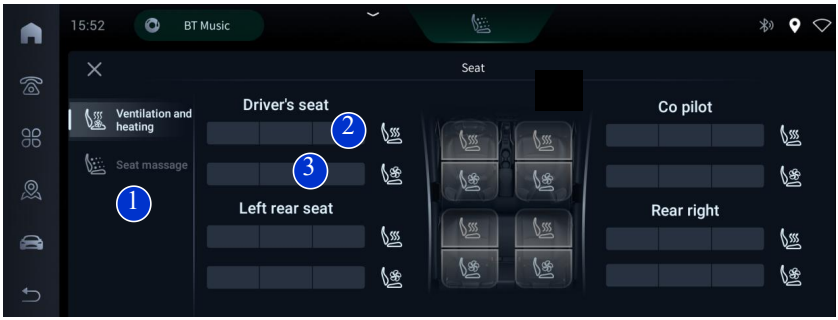
(5) A/C air volume

(6) Airflow direction switch

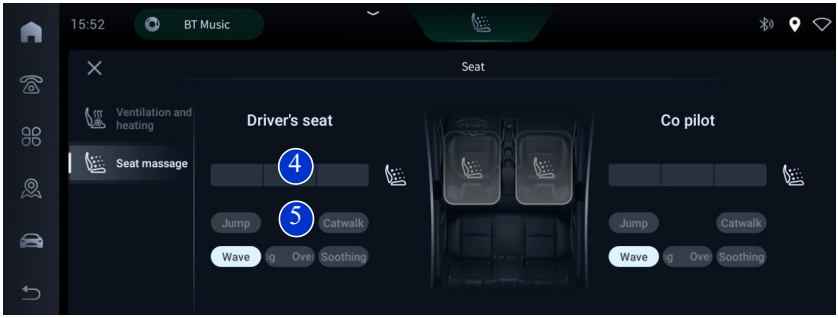
(7) A/C status switching, including fresh air/recirculation mode switching, front defroster switch, and rear defroster switch.

2. Seat (ventilation/heating/massage) settings*


Click the button to enter the seat setting page. The availability of seat ventilation, heating and massage functions depends on the configuration of your model:



Model with seat massage function



(1) Switching among seat ventilation, heating and massage

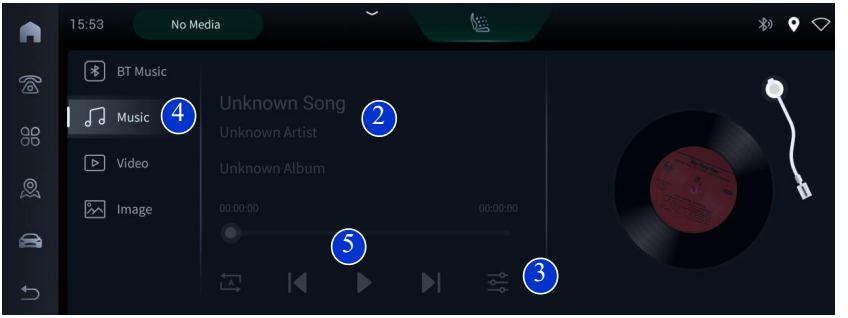
(2) For seat heating on/off and position adjustment, you can choose the corresponding side position for adjustment

(3) For seat ventilation on/off and position adjustment, you can choose the corresponding side position for adjustment

(4) For seat massage on/off and intensity adjustment, you can choose the corresponding side position for adjustment

(5) For seat massage mode selection, you can choose the corresponding side position for adjustment

Local multimedia - Bluetooth music, USB music, and video



(1)Switching views for radio, DAB, Bluetooth music, and local music functions

(2)Bluetooth music information display area, displaying song title and artist name

(3)Sound effect adjustment: Click to enter the sound effect adjustment interface

(4)Switching to USB music/video

(5)Playback control area

Multimedia----Radio

(1)Click the "Plum blossom button" - "Radio" icon on the ICE to enter the radio function interface

(2)FM/AM switching: Click to switch the FM/AM frequency band

(3)Favorite radio channel: Click to favorite the current radio channel

(4)Previous/next channel switching: Click to switch the previous/next channel, and play/pause at the same time

(5)Radio channel search: Click to search for radio channels

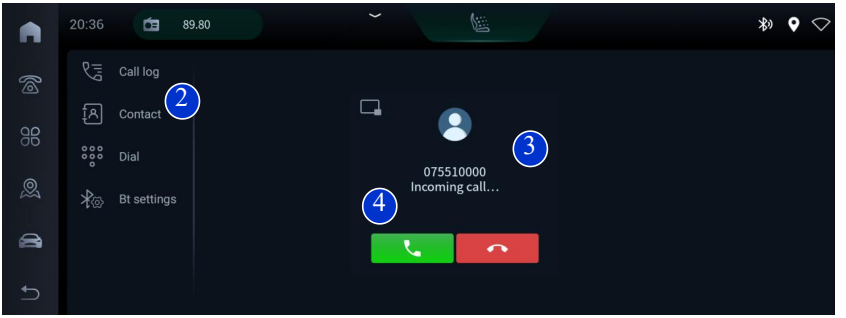
(6)Radio channel display: It displays the current radio channel frequency band bar

(7)It displays the frequency band bar, and swipe left or right to switch bands

(8)List switching: Click to switch the preset/favorite radio channel list

(9)Radio channel list: It displays the preset/favorite radio channel list

Bluetooth call



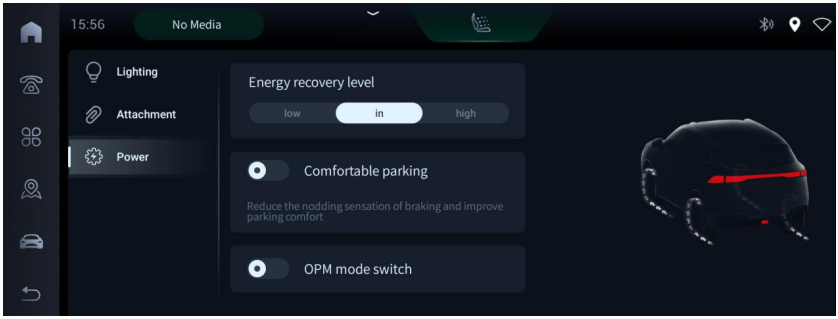
(1)Click the "Call" icon on the main interface of the ICE to enter the Bluetooth call interface

(2)You can switch to view call log, contacts, and dial numbers, and use related functions

(3)Bluetooth call interface: It displays an ongoing call

(4)Answer/hang up button

Vehicle settings



(1)Vehicle settings: Switching to view and adjust the light settings/accessory settings/ADAS settings/seat settings/power settings

Module	Functions
Light*	Ambient light brightness adjustment, ambient light color adjustment, rhythm ambient light switch, rhythm mode selection, and light signal mode selection
Accessories	Feedback of remote control locking, setting of remote control window closing, automatic folding of outside rearview mirror, angle adjustment of power liftgate, rearview mirror tilt-down during reversing, setting of steering feel mode, and customization of steering wheel button
Accessories - steering wheel button customization	After setting, the steering wheel button function can be customized, the return, standby, mute and photo functions* can be selected, and the return function is selected by default
ADAS*	ADB switch, AEBS switch, TSR switch, FCW setting, LDW setting, LCA setting, DOW setting, and RCTA setting
Seat*	Automatic seat heating, automatic seat heating temperature adjustment, automatic seat ventilation, automatic seat ventilation temperature adjustment
Power	OPM mode switch, pedestrian alarm switch, power mode setting, ultimate power saving mode switch, multi-level energy recovery switch, Comfort Stop switch, driving mode memory*

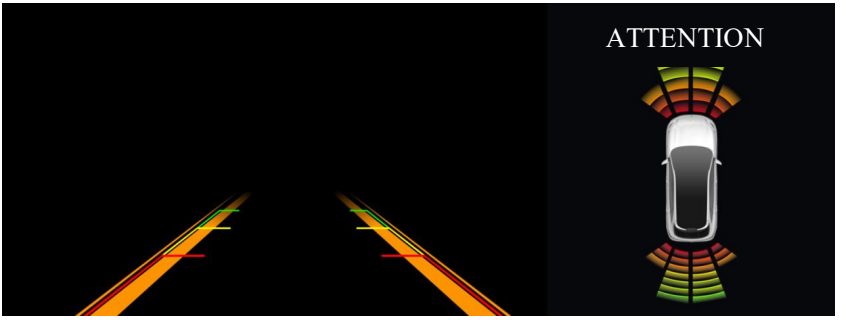
(* indicates that the function is supported by certain models)

Reverse radar*

After the reverse gear is engaged, the screen will display the following interface:

The left screen is the reversing image

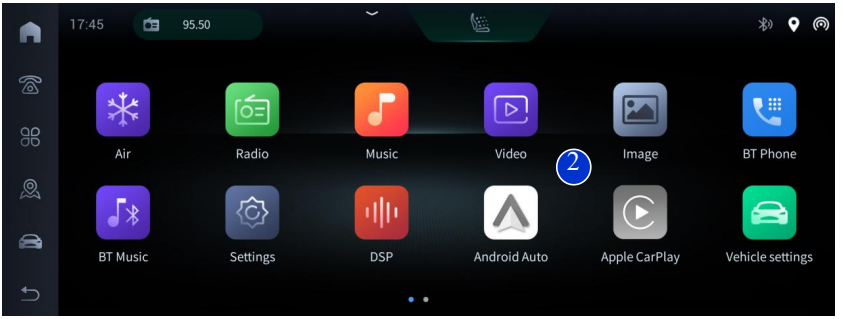
The right screen is the reverse radar *, which displays three safety levels of green, yellow and red from far to near according to the obstacle

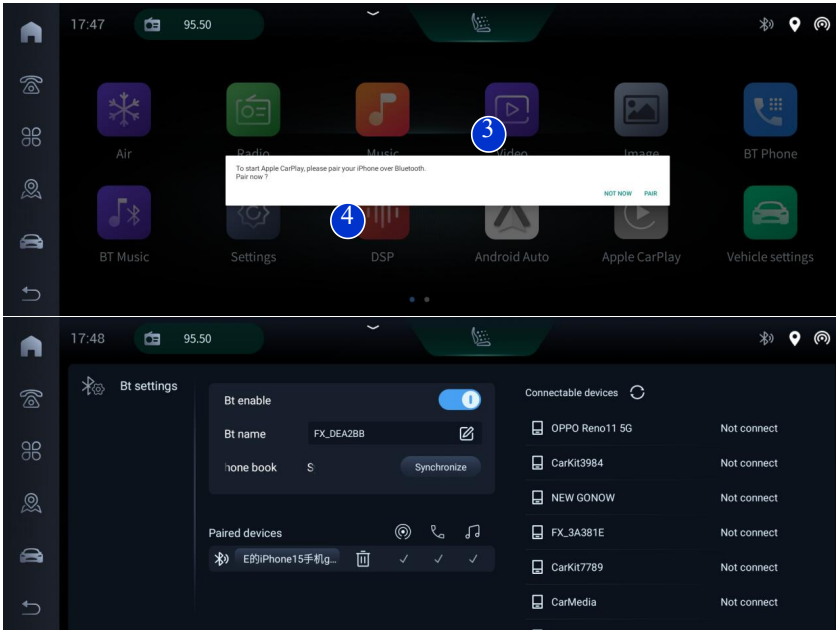


(* Different models have different number of cameras)

If there is an AVM box, the AVM interface will be displayed

Mobile phone interconnection





(1)Click the "AA/CP" icon on the ICE, then connect your mobile phone to enter the mobile phone interconnection desktop

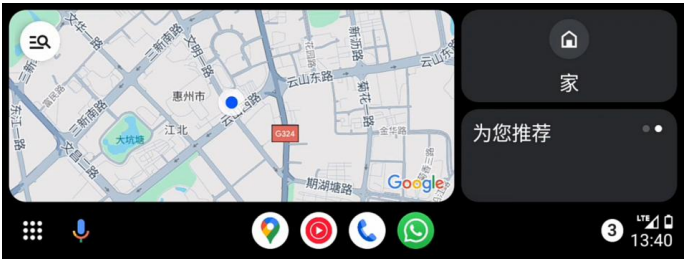
(2)Alternatively, click AA/CP in the APP interface, then connect your mobile phone to enter the mobile phone interconnection desktop

(3)Select Pair in the prompt pop-up box to enter the Bluetooth connection interface and complete the mobile phone interconnection setup

(4)Click this button to connect

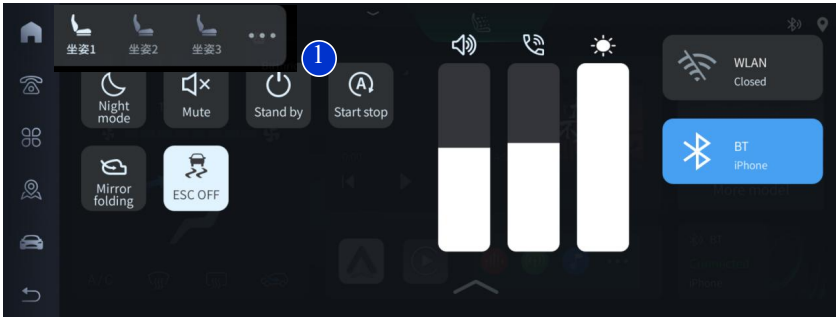
Mobile phone interconnection connection method:

Carplay connection (wireless)	

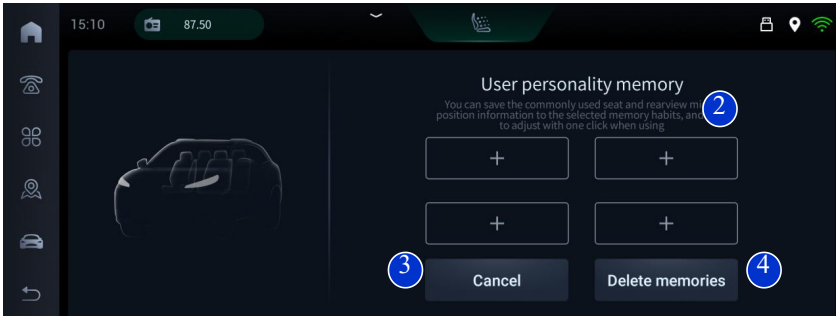
AndroidAuto connection (wireless/wired)	

User personalized memory*

Scroll down in any interface to enter the drop-down menu



(1)Click "..." to enter seat position settings

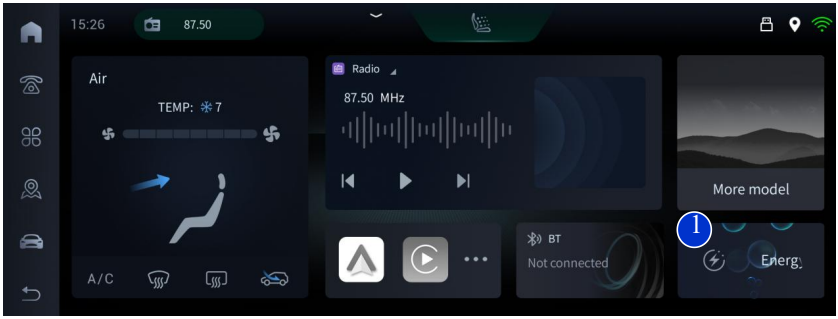


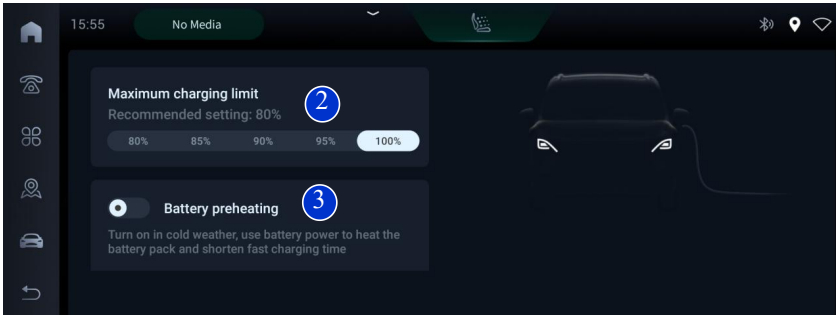
(2)New memory: when no memory information is saved at the memory position, click the "+" button to add the current seat information to the selected position

(3)Manually save memory: when certain memory information is available at the memory position, click "Save Memory" button to enter the manual save button state. At this time, you can click any position to save and overwrite memory information.

(4)Delete memory: click to select any position to delete memory information

Energy Center



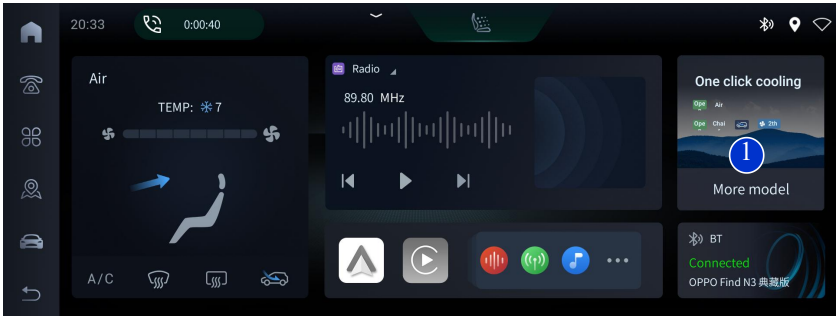


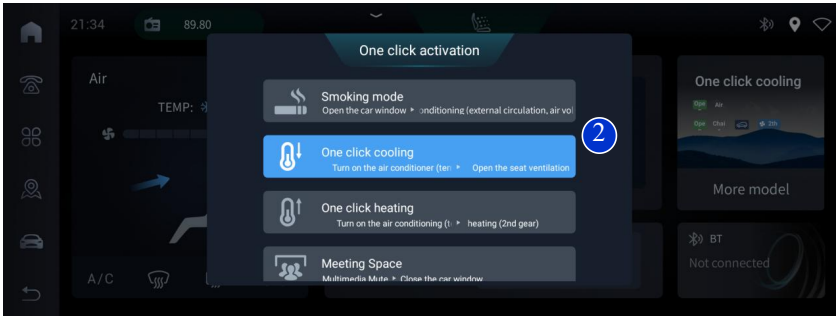
(1) Click on the right side - "Energy Center"* (specific for EV/HEV)

(2) The maximum charging capacity can be set. When the charging limit is reached, the system will actively stop charging

(3) Battery preheating: When turned on, it immediately starts battery preheating to shorten fast charging time in cold weather

Scenario mode





(1) Click the right side - "More modes"

(2) Four modes can be selected

A. When the vehicle automatically identifies the configuration as electric A/C, the strategy is as follows:

(a) Smoking mode: All windows fully open, A/C fan speed at position 4, and fresh air mode turned on.

(b) One-touch heating: Set A/C to heating position 7 and fan speed at position 5, turn on fresh air mode, activate seat heating to position 2 (read configuration, enable if available, display but skip execution if unavailable).

(c) One-touch cooling: Set A/C to cooling position 7 and fan speed at position 5, turn on fresh air mode, activate A/C, activate seat ventilation to position 2 (read configuration, enable if available, display but skip execution if unavailable).

(d) Meeting space: Mute multimedia, close windows.

B. When the vehicle automatically identifies the configuration as automatic A/C, the strategy is as follows:

(a) Smoking mode: All windows fully open, A/C fan speed at position 4, and fresh air mode turned on.

(b) One-touch heating: Set A/C temperature to HI and fan speed at position 5, turn on fresh air mode, activate seat heating to position 2 (read configuration, enable if available, display but skip execution if unavailable).

(c) One-touch cooling: Set A/C temperature to LO and fan speed position 5, turn on fresh air mode, activate A/C, activate seat ventilation to position 2 (read configuration, enable if available, display but skip execution if unavailable).

(d) Meeting space: Mute multimedia, close windows.

Storage device

Door storage compartment

Basic model

New model

The interior trim panels of the front and rear doors are designed with door storage boxes for storing cups and other articles.

Storage of auxiliary dashboard

Upper storage box of auxiliary dashboard

A storage box is designed on the upper part of the console. Press the storage box cover to open it, and some small objects such as mobile phones can be placed inside.

Lower storage slot of auxiliary dashboard

A storage tank is designed at the lower part of the console for placing some small items, such as mobile phone and keys.

Rear storage slot of auxiliary dashboard

Hold mobile phones and other items.

Central storage box

A central storage bin is designed under the front-row central armrest. Press the front button of the central armrest to open the central storage bin automatically.

The central storage bin is designed with a vent, and the vent can be opened or closed by turning the switch.

Storage box

The storage box is located on the front passenger side. Pull the storage box cover handle backward to open the storage box. Push back the storage box cover forward and buckle it to close the storage box.

Seatback magazine pocket

Basic model

New model

The magazine bag is located on the back of the front seat and used for placing small objects such as plastic bags and tissues.

Cup holder

Front cup holder

The front cup holder can hold tea cups, beverage bottles and other items for easy use during travel.

Rear cup holder

The rear-row central armrest is provided with a cup holder, and the strap can be pulled downward to roll out the cup holder.

Glasses case

Press the glasses case, and it will open slowly. Push it back to close it.

Other devices

Sun visor

Turn over the sun visor downward to block the glare ahead. To block the strong side glare, first detach the left/right side support rod from the clip, then pivot the sun visor to the side.

Vanity mirror

Basic model

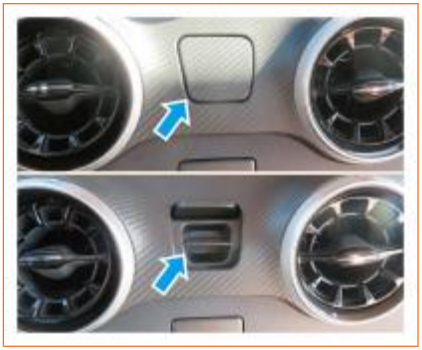
New model

Push the cover to the left to use the vanity mirror. Some models are equipped with LED lights to facilitate use in special scenarios.

Ticket Folder

A ticket holder is designed on the sun visor, which can be used to place small items such as invoices and refueling cards.

Mobile phone bracket interface



A mobile phone holder interface is arranged in the middle of the instrument panel, which is convenient for use during driving.

⚠ Warning

It is forbidden to operate the mobile phone when driving, so as not to distract attention and cause accidents.

Interior handle

Interior handles are provided on both sides of the front and rear rows for passengers to use under special circumstances. The interior of the door handle is equipped with a spring mechanism, which automatically returns to its original position when released.

Hook

Instrument panel hook

The left side of the storage box is designed with a hook, which can hang light items such as cups. Press the groove to open it, and press the convex rib to close it.

Clothes hook

The interior handles on both sides of the rear row are provided with coat hooks (for some models, only the rear right handle is equipped with one) for passengers to use.

Seatback hook

Hooks are designed on the back of front seats for hanging water cups and other light items.

Note

The maximum bearing mass of the hook is 3 kg. Do not hang overweight objects on it.

Retractable curtain

Installation and removal

Installation and removal steps of retractable curtain:

1. Press both ends of the retractable curtain toward the middle and retract it, and then clamp it on the fixing slot of the vehicle. After installation, shake it to check whether it is installed in place.

2. The retractable curtain shall be removed in an order reverse to its installation.

Deployment and retraction

Operating steps for deployment and retraction of retractable curtain:

1. Pull open the curtain handle, and fit the clips on both sides into corresponding slots of side wall to unfold the retractable curtain.

2. The retractable curtain shall be retracted in an order reverse to its deployment.

Note

The retractable curtain is a decorative component that can cover the trunk. To ensure your safety, do not place anything on it.

Start and stop

Start/Stop switch

Press the Start/Stop switch without depressing the brake pedal. The Start/Stop switch can be switched between OFF, ACC and ON cyclically.

OFF position: The combination instrument goes out, the audio system is turned off, and the Start/Stop switch indicator goes out.

ACC position: The combination instrument goes out, but the audio system is turned on. At this moment, the Start/Stop switch indicator is yellow.

ON position: The combination instrument lights up, and the Start/Stop switch indicator is yellow.

START: Only used to start the engine. After the vehicle is started, the Start/Stop switch indicator goes out.

Starting the Engine

Normal starting

When the vehicle is in P/N gear, depress the brake pedal and press the Start/Stop switch.

Emergency starting

When the ECU fails, the engine fault (SVS) warning indicator lights up and the engine cannot be started normally, please operate as follows:

1. Engage the N or P gear, do not depress the brake pedal, and press the Start/Stop switch twice to illuminate the combination instrument.

2. Press the Start/Stop switch once to extinguish the combination instrument.

3. Press the Start/Stop switch twice to illuminate the combination instrument.

4. Depress the brake pedal for 5 s (the Start/Stop switch indicator will turn green), press the Start/Stop switch again after another 5 s, and release the brake pedal when the vehicle starts successfully.

Note

If the engine cannot be started successfully for many times, please contact an authorized service station of Dongfeng Forthing.

Low battery start

When the battery of the smart key is too low or runs out, you can use the mechanical key inside the intelligent key to open the door, then put the intelligent key into the first cup holder of the front-row cup holder (vehicle front direction), depress the brake pedal and press the Start/Stop switch at the same time.

Failure of Engine Start

The cause of engine start failure can be determined based on the sound heard when the Start/Stop switch is turned to START position. It can be roughly divided into two types:

1. If no or almost no sound can be heard, the starter of the engine cannot rotate or rotates too slowly.

2. The sound of starter running normally or the sound of the starter running faster than normal is heard, but the engine does not start or run.

The starter cannot rotate or the speed is too slow

1. Check whether the battery terminal is tightened and clean.

2. If there is no problem with the battery terminal, please turn on the interior light. When the engine is started, if the interior lamps do not light up, become dim or go out, the battery power has been used up. Try to start by jumper connection. If the lighting is normal but the engine cannot be started, please contact an authorized service station of Dongfeng Forthing.

Note

- At an altitude higher than 2,400 m, it will be more difficult to start due to thin air.
- In cold weather or when the vehicle has been parked for a long time, it is recommended to preheat the engine for several minutes before driving.

Gearshift operation

Leather Gearshift Lever

Crystal Gearshift Lever

1. Gear unlocking button
2. "P" gear button
3. Driving mode button

The combination instrument will display the gear of the vehicle.

Gear introduction

Gear P (Park)

This gear is used when the vehicle is parked or placed in a state ready to drive. Press the P gear button to enter the P gear. Be sure to stop the vehicle completely before shifting to the P gear.

Gear D (Drive)

The D gear can only be engaged when the vehicle is started. Use this gear when driving forward.

Gear R (Reverse)

The R gear can only be engaged when the vehicle is started. Please reverse using this gear. Be sure to stop the vehicle completely before shifting to the R gear.

Gear N (Neutral)

When the vehicle is in this gear, the drive motor cannot output power and the reducer will not provide auxiliary parking. Be sure to stop the vehicle completely before shifting to the N gear.

M gear (manual mode)

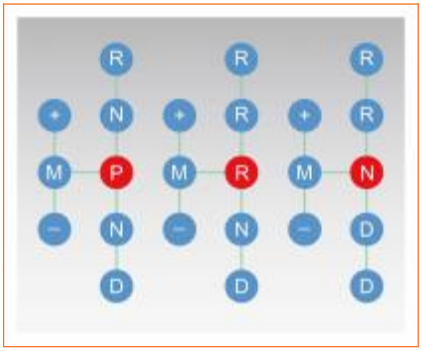
In the manual mode, the driver can independently select a suitable gear according to road conditions and driving habits to enjoy the driving. It is recommended to use this mode when driving on mountain roads or hilly areas.

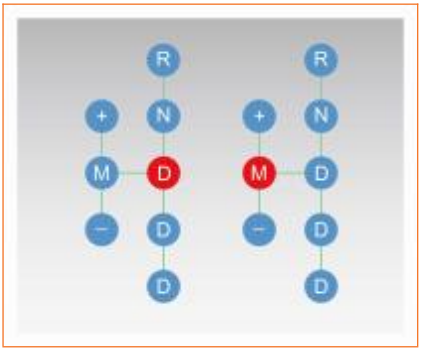
Driving operation

Operation method

Keep the brake pedal depressed continuously before starting the vehicle; otherwise, the vehicle may move on its own when in gear D. After the vehicle is started, normal gear shifting operations can be performed.

After each gearshift operation, the gearshift lever will return to the middle position. The gears are arranged from front to back in R-N-D order. When the vehicle is started, the detailed gearshift sequence is shown in the following figure. The middle position is the actual gear of the vehicle at present.





Shift to P gear

After the vehicle is completely stopped, press the P button on the gearshift lever to enter the P gear.

Shift to R gear

After the vehicle is started, press the gear unlock button while depressing the brake pedal, and push the gearshift lever upward to the R position.

Shift to N gear

P to N: Press the gear unlock button (if equipped) while depressing the brake pedal, and push the gearshift lever upward or downward to the N position.

R to N: Push the gearshift lever downward to the N position.

D to N: Push the gearshift lever upward to the N position.

Shift to D gear

Push the gearshift lever downward to the D position.

Shift to M gear

When the vehicle is in the D gear, push the gearshift lever leftward to the M position.

When the vehicle is in the M gear, push the gearshift lever upward/downward to increase/decrease the gear.

Description of shifting conditions

1. When the vehicle is not started, the gear can only be shifted between P and N gears.

2. To shift gears, press the gear unlock button (if equipped) first.

3. When the vehicle is in the M gear, and the R or N gear is desired, push the gearshift lever rightward to the D gear before switching.

Crawling function (creeping)

After the vehicle is started, shift the gearshift lever to the driving position (D or R gear), release the electronic parking brake (EPB) switch and brake pedal. At this time, it is not necessary to depress the accelerator pedal, and the vehicle can move forward slowly.

Start

Normal starting

1. Start the engine.
2. Depress the brake pedal, and switch the gearshift lever to the driving position (D or R gear).
3. Release the EPB switch.
4. Release the brake pedal, and then slowly depress the accelerator pedal to start.

Hill starting

1. Make sure that the gearshift lever is switched to the driving position (D or R gear) with parking brake applied.
2. Slowly depress the accelerator pedal, and release the EPB switch after feeling that the vehicle has a forward trend, so as to start the vehicle.

Parking

1. Release the accelerator pedal, and then depress the brake pedal.
2. After the vehicle stops, press the P gear button.
3. Pull up EPB switch.
4. Shut down the engine and release the brake pedal.

Note

- When it is necessary to stop the

vehicle temporarily on a slope (with the driver in the vehicle), always depress the brake pedal or apply the parking brake. Do not use the accelerator pedal or crawling function to prevent rolling; otherwise, the automatic transmission will be damaged.

- When it is necessary to park the vehicle on a slope for a long time (the driver is not in the vehicle), if the gradient is large, obstacles can be used to block the wheels as required to prevent rolling.

Note

- When it is necessary to park the vehicle on a slope for a long time (the driver is not in the vehicle), if the gradient is large, obstacles can be used to block the wheels as required to prevent rolling.
- Do not depress the brake pedal and accelerator pedal at the same time. Otherwise, the automatic transmission may overheat or fail.

Driving Mode Switching

The vehicle starts in Normal mode by default. When the driving mode button is pressed for the first time, it switches to SPORT mode, and when it is pressed for the second time, it switches to ECO mode. Press the driving mode button to realize cycle switching between Normal → SPORT → ECO → Normal.

Normal mode (Normal)

Integrating vehicle performance of power and economy, the mode is applicable to all kinds of road.

SPORT mode (SPORT)

Increase the vehicle power, resulting in a higher level of responsiveness and driving experience. Suitable for use on flat roads with few vehicles.

Economy mode (ECO)

With improved vehicle fuel economy, the mode is applicable to urban roads, pavement and other flat hard road surfaces.

Parking

Electrical parking brake (EPB)

The driver can use EPB to park the vehicle reliably.

EPB activation and release

Activation: After the vehicle comes to a standstill, pull up the EPB switch to complete manual parking, and the parking state indicator will illuminate.

Release: Depress the brake pedal while pressing the EPB switch, the EPB is released, and the parking state indicator goes out.

Emergency brake function

This function is used when the brake pedal is depressed with the foot but it is ineffective or blocked. Keep pulling up the EPB switch to apply the parking brake in case of emergency. Once the EPB switch is released, emergency braking can be exited.

Warning

Avoid using the emergency brake function as much as possible. On roads with large bends, poor road conditions or in winter, using the emergency brake function may cause drift and sideslip of the vehicle.

Automatic hold function (AUTO HOLD)

The AUTO HOLD function can help the driver to start more comfortably on a slope or at an intersection with traffic lights. This function can be turned on or off by AUTO HOLD switch. After the AUTO HOLD function is turned on, if the driver releases the brake pedal when starting on a slope or at an intersection with traffic lights, the system will continue to hold braking.

AUTO HOLD starting condition:

1. The vehicle is started.
2. The driver has fastened the seat belt.
3. The door is closed.

Turn on AUTO HOLD function

Press the AUTO HOLD switch on the center console, and then the switch indicator lights up.

When the engine is running, if the vehicle remains stationary for a long time (such as on a slope, at red lights or when driving and stopping frequently), the AUTO HOLD function provides support to the driver and takes over the parking task of the vehicle. After the driver depresses the brake pedal to stop the vehicle, the AUTO HOLD indicator lights up and the driver can release the brake pedal.

To start the vehicle, no matter on a flat road or uphill/downhill, parking will be automatically released only after the accelerator pedal is depressed; otherwise, the vehicle may fail to start.

Turn off AUTO HOLD function

When the AUTO HOLD function is enabled, press the AUTO HOLD switch to turn off the function and extinguish the switch indicator. The green indicator of the combination instrument turns red.

If the driver's door is opened, the driver's seat belt is released or the engine is turned off, it will be converted into EPB and the AUTO HOLD function will exit to ensure parking safety.

Adding fuel

Opening/Closing of Fuel Filler Cap

ON

When the central control or remote key is unlocked, press the left middle position of the fuel filler cap to open it.

OFF

After closing the fuel filler cap, press the lock button on the central control or remote key to lock the fuel filler cap.

Fuel filling

Rotate the fuel filler cap counterclockwise to slowly open it and add fuel. After refueling, rotate the fuel filler cap clockwise until a click is heard, indicating it is closed.

Warning

When refueling, turn off the engine and keep the vehicle away from heat sources and open flames.

Suggestions for driving

Vehicle running-in period

Special attention shall be paid to the driving mode within the first 1,000 km of a new vehicle, which will help to ensure the reliability of the vehicle and prolong its service life. Pay attention to the following precautions in this stage:

1. Avoid driving the vehicle under full load, and do not overload.

2. Try to avoid depressing the brake pedal sharply.

3. Vehicle towing shall be avoided as far as possible.

4. It is recommended to try to drive under different working conditions.

Driving at night

Driving at night is more dangerous than driving at daytime, mainly because of poor visibility at night and fatigue of drivers. Please pay attention to the following matters when driving at night:

1. Never drive while under the influence.

2. Adjust the position of the interior rearview mirror to reduce dazzles.

3. Keep a greater distance from the vehicle ahead.

4. Drive carefully and watch out for animals.

5. Drive at a low speed.

6. Pay attention to the dazzling light of the meeting lights. Slow down to avoid looking directly at the headlights of the oncoming vehicle.

7. Do not drive tiredly. If you are sleepy, park the vehicle at a safe place on the roadside in time for rest.

8. Keep all glasses clean and tidy, avoid dazzling lights and obstructing sight.

Driving under the influence of alcohol

Never drive while under the influence. Driving under the influence of alcohol is very dangerous, as even a small amount of alcohol can affect people's reaction, perception, attention and judgment. Driving under the influence of alcohol can lead not only to accidents but also serious personal injuries. The traffic department will impose corresponding penalties on driving under the influence of alcohol in accordance with the provisions of the Road Traffic Safety Law.

Driving through water

In order to avoid damaging the vehicle when driving through water, pay attention to the following matters:

1. Determine the water depth before driving through water. The maximum water level shall only reach 1/4 of the wheel height.

2. Drive at a maximum speed of 10 km/h. If the vehicle speed is too high, waves may form in front of the vehicle, leading to water entering the engine intake system or other components, which could result in damage to the vehicle.

3. Do not park, reverse or shut down the engine in water under any circumstances.

Note

The braking effect may be affected, and the braking distance may be prolonged when the vehicle passes through waterlogged or muddy roads, posing a risk of accident!

Avoid rapid acceleration or emergency braking after driving through water.

When driving through water, some components of the vehicle may be damaged, such as engine, transmission, chassis, or electrical system.

After driving through water, when traffic conditions permit, the brake must be cleaned and dried as soon as possible through intermittent braking. Do not affect other traffic participants to avoid traffic accidents.

The waves caused by the opposite vehicle may exceed the allowable water height of this vehicle.

Pits, muddy puddles or stones which are

hidden in water may make it more difficult or even impossible for driving through water.

Try to avoid driving on roads with significant water accumulation. After driving through areas with substantial water, it is recommended to visit the authorized service station of Dongfeng Forthing for a comprehensive vehicle inspection to identify any potential issues, ensuring road safety.

Long-distance driving

Before long-distance driving, please make sure that relevant preparations are made and try to have a good rest.

Please check the following components of the vehicle before traveling:

1. Check whether the washer fluid reservoir is full and whether the inner and outer sides of all windows are cleaned.

2. Check whether the fuel, engine oil and other oils reach the specified oil level.

3. Check whether all lights work normally.

4. Check whether the light surface is clean.

5. Check whether the tire tread pattern is suitable for long-distance driving and whether all tires have been inflated to the recommended air pressure value.

Driving on rainy and slippery roads

Please pay attention to the following items when driving in rainy days:

1. Heavy rain will make the sight worse and increase the braking distance. Please slow down.

2. The wiper should be checked frequently. If there are streaks or missing areas on the front windshield, please replace the wiper blade in time.

3. If the tires of the vehicle are in poor condition, braking on a slippery road may cause the vehicle to slip or even cause an accident. Therefore, please ensure that the tires of the vehicle are in good condition.

4. Turn on the vehicle headlight and hazard warning light.

5. Please be sure to slow down when passing through waterlogged roads.

6. If the brake is wet, please gently depress the brake pedal while driving until the brake returns to normal.

7. During driving, please do not turn or brake suddenly to avoid accidents.

8. After driving through water, slowly depress the brake pedal to dry the brake when driving at a low speed.

Driving on slopes and mountainous roads

When driving on slopes and mountainous roads:

1. Please keep the vehicle in good condition.

2. Pay special attention when climbing over the top of the slope, because there may be obstacles in your lane.

3. On mountain roads, you may encounter special warning signs. When driving, pay attention to these signals and take appropriate measures.

Driving on icy and snowy road

1. When driving in snow, use snow tires as much as possible. Choose snow tires with the same size and model as the originally assembled tires.

2. When driving in snow, high speed, rapid acceleration, emergency braking and small angle turning are very dangerous and should be avoided as much as possible.

3. When driving on ice, emergency braking will cause the vehicle to drift. Please keep a safe distance.

Driving in winter

Harsh driving environment in winter will increase vehicle wear or cause vehicle failure. The probability of failure can be reduced by referring to the following recommendations:

1. If necessary, replace with low-viscosity winter engine oil.

2. Check the coolant specification to confirm whether the freezing point is suitable for expected temperature in winter.

3. Check the wiper to ensure that the wiper blade can wipe freely.

4. Carry appropriate emergency equipment according to weather changes.

Fan Post Run

After the vehicle is shut down, the electronic fan will keep running for a period of time to reduce the temperature in the engine compartment and ensure the performance of parts in the engine compartment.

Electric power steering

The electric power steering system can provide power during driving, so that the driver can turn the steering wheel easily.

Select the assist mode on the multimedia display screen, and enter [Settings]-[Vehicle]-[Accessories]-[Steering Mode Setting].

There are three steering modes: standard, comfort and sport:

Standard: The steering power is moderate and suitable for general driving habits. This item is the default state.

Comfort mode: Increased steering power and light hand feeling during steering.

Sport mode: Reduced steering power and stable hand feeling during steering.

Please select the steering mode when the vehicle is stationary and no steering operation is performed.

When parking or driving at an extremely low speed, if the steering wheel is turned repeatedly or continuously, it will cause overheating of the EPS system and reduction of steering power. To avoid this situation, try not to turn the steering wheel repeatedly or continuously.

When turning the steering wheel quickly, you may hear a friction sound which is not a fault. If the steering system fault warning indicator lights up when the engine is running, the steering power is abnormal. In this case, more force is required to turn the steering wheel.

Please reduce the speed as soon as possible and pull over safely, and 5 minutes after flameout, restart the vehicle. If this warning indicator no longer lights up, you can drive normally; if it still lights up, contact an authorized service station of Dongfeng Forthing as soon as possible.

Traction control system (TCS)

During driving, TCS system reduces wheel slip in its rotation direction by controlling engine output power and braking drive wheels properly.

Brake assist system

Brake Assist (BA)

The driver can brake in time in most dangerous situations, but the force to depress the brake pedal is insufficient, resulting in an increase in braking distance. For vehicles with a BA system, when the brake pedal is depressed quickly during driving, the hydraulic brake assist system will be activated. At this time, the BA system will generate a braking force greater than that during normal braking, so as to shorten the braking distance and ensure safety.

Brake priority

The brake priority system can automatically switch the engine to idle state when it detects that the driver depresses the brake pedal.

Anti-lock braking system (ABS)

Working principle

The ABS system controls the brake of the vehicle, and adjusts the braking force by detecting the speed of each wheel to prevent wheel locking and sideslip. During vehicle braking, the steering wheel can still be used for steering to avoid collision.

System self-test

The ABS system has a built-in self-test function, which will test when the vehicle is started and running at low speed. In case of any fault, the self-test function will turn off the ABS system and illuminate the ABS system fault warning indicator  on the combination instrument. At this time, the brake system works normally, but the ABS system does not work. If the ABS system fault warning light illuminates during self-test or driving, please contact the authorized service station of Dongfeng Forthing.

Normal operation

The ABS system will start automatically when the vehicle speed is above 5 km/h. When the ABS detects that one or more wheels are approaching the locked state, the actuator acts quickly to release and restore the braking force. When the actuator is working, slight vibration of the brake pedal may be felt and the vibrating sound from the actuator under the engine hood may be heard. This is a normal, indicating that ABS system works normally.

Note

- The ABS cannot reduce the braking distance.
- During emergency braking, the steering shall be moderate.

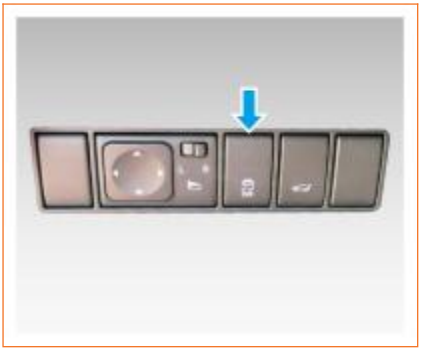
Electronic brakeforce distribution (EBD)

The EBD system will automatically distribute the braking force between the front and rear wheels, so that the vehicle can have good braking performance under different load conditions.

Electronic Stability Program (ESP) control system

The ESP system can improve the stability of driving. The ESP system will start to work when it detects a deviation between the expected driving state and the actual body state. The ESP system will selectively apply braking force to the vehicle brake to improve the driving stability.

ESP switch



Press the ESP switch, the ESP system will be turned off and the ESP system OFF indicator on the combination instrument will light up.

When the vehicle speed is above 80 km/h, the ESP system will be turned on automatically and the ESP system OFF indicator will go out.

Press the ESP switch again, and the ESP system will be turned on. At this moment, the ESP system OFF indicator on the combination instrument will go out.

Vacuum Booster Braking

The vacuum booster is suitable for engine vacuum assisted braking.

Suggestions on reasonable use of brake system

Do not put the foot on the brake pedal during driving, as this will cause overheating of the brake, accelerate wear of the brake disc and brake pad, and increase fuel consumption.

When descending a long slope, try to avoid frequent braking to prevent brake overheating and a degradation in braking performance.

Be careful when driving on a slippery road. Sudden braking or acceleration will cause wheel slipping.

When driving after car washing, through water, or in rainy weather, the brake may become wet, leading to a decrease in braking performance. In such cases, it is advisable to drive at a safe speed and maintain a safe following distance.

Driving Uphill

Apply the parking brake to stop the vehicle. When you are about to start, slowly release the parking brake while depressing the accelerator pedal.

Hill Hold Control (HHC)

When the vehicle starts on a steep or smooth slope and the driver switches from the brake pedal to the accelerator pedal, the vehicle may slide downward, resulting in difficulty in starting. To prevent this from happening, HHC system will temporarily (up to about 2 s) apply braking force on the four wheels to prevent the vehicle from rolling down.

Warning

- Do not rely only on the HHC system to prevent the vehicle from rolling down a slope.
- When parking the vehicle on a steep slope, icy and muddy road, depress the brake pedal to prevent the vehicle from sliding backward.

The HHC system will work automatically under the following conditions:

1. D or R gear is engaged and the vehicle is going uphill.

2. Depress the brake pedal to brake, and the vehicle is stopped completely on the slope.

The HHC system will not work under the following conditions:

1. When N or P gear is engaged, or the vehicle is on a horizontal road.

2. The ESP system OFF indicator in the combination instrument lights up.

Hill descent control (HDC) system

The HDC system allows the driver to negotiate a steep downhill section smoothly without depressing the brake pedal.

Press the HDC switch, and the HDC system indicator on the combination instrument will light up, indicating that the HDC function is turned on. When the HDC button is pressed again or the vehicle speed exceeds 60 km/h, the HDC system working indicator goes out and the HDC system is turned off.

HDC braking

When the vehicle goes downhill on a steep slope with the HDC system turned on, the HDC system will apply brake actively to keep the speed within 8 km/h ~ 35 km/h. The driver can depress the accelerator pedal or the brake pedal to adjust the speed within this speed range when using the HDC function.

When the HDC system performs active braking, the HDC system working indicator on the combination instrument flashes, and the vehicle brake light will illuminate. At the same time, the ESP system will make a sound of motor working and the brake will make a braking sound, which is normal.

Warning

- Before using the HDC function, the driver needs to confirm that the system is activated.
- The HDC function only controls the vehicle speed through active braking. The driver should pay attention to controlling the vehicle at any time to ensure driving safety.

Brake booster

When the force applied on the brake pedal exceeds a certain level, the brake booster will be enabled. At this time, even if the brake pedal is gently depressed, a large braking force will be generated to facilitate easy driving of the vehicle.

Parking assist system

Introduction

The parking assist system can assist the driver to observe and perceive the surrounding environment during low-speed driving or parking, and provide the driver with visual and audible prompts or warnings when there are obstacles hindering driving or parking.

The main functions of the parking assist system include:

1. Parking radar system.
2. Reversing image.
3. Panoramic image*.
4. Automatic parking system *.

Parking radar system

The parking radar detects the surroundings of the vehicle and gives warning when the vehicle approaches an obstacle to assist the driver in avoiding collision.

According to the configuration, the parking radar system sensors are divided into two categories:

Type 1: 4 rear radar sensors.

Type 2: 6 radar sensors each at the front and rear.

When the parking sensor system is turned on, it will automatically check whether its functions are normal. If the system is normal, it will buzz once for 0.5 s. If the system buzzes once for 3 s, it indicates that the system is faulty. Please contact an authorized service station of Dongfeng Forthing.

Front radar function*

Swipe down on the multimedia display screen and tap "Front radar" to turn on or off the front radar.

ON

When the Start/Stop switch is set to "ON", the front radar soft switch is in the setting state at the last shutdown. The front radar function can be activated when the following operations are simultaneously satisfied:

1. The front radar switch is on.
2. The vehicle speed is less than 15km/h. When the vehicle decelerates from a high speed, the front radar can resume working only after the vehicle speed is reduced to 10km/h.
3. The EPB is released.
4. The P gear is not engaged.

OFF

When the Start/Stop switch is set to "ON", the front radar soft switch is in the setting state at the last shutdown. The front radar function can be turned off by the following operations:

1. Turn off the front radar soft switch.
2. The driving speed exceeds 15 km/h.
3. The EPB is turned on.
4. The P gear is engaged.

Turning on/off method of reversing radar

When the R (reverse) gear is engaged, the reversing radar will be turned on automatically, and the system will be turned off automatically after R (reverse) is disengaged.

Detection range

The detection range of the parking assist system radar sensor is shown in the table below:

Sensor Position	Maximum detection distance (cm)
Both rear sides *	50~70
Rear middle	140~160
Both front sides *	50~70
Front middle *	110~130

Alarm mode

The parking radar system sends out intermittent alarm sound or long alarm sound according to the distance between the radar sensor and the obstacle. The shorter the distance is, the shorter the interval time of alarm sound will be.

The four radars on the front and rear sides of Type II only display alarm in the panoramic image interface, without audible alarm.

The multimedia display screen will show corresponding color according to the obstacle distance information, as shown in the figure below:

If panoramic image function is configured, the distance between obstacles is shown in the figure below:

The specific correspondence is as follows:

Obstacle Distance (cm)	Warning sound	Alarm display
0-30	Long beep	Red
30-100	4 Hz rapid intermittent tone	Yellow
100-150	2 Hz intermittent tone	Green

Fault display strategy

If one or more radar sensors at the front or rear of the vehicle fail, the other sensors at the front and rear will not work.

If a sensor, no matter whether it is at the front or rear, gives a fault alarm, the system is unreliable at this time. Please contact an authorized service station of Dongfeng Forthing.

Conditions in which the system may not work

Due to the characteristics, position, angle, size, material or complex background of objects, the system may not work or give false alarms. The following conditions may result in failure to detect or poor detection:

1. Wire mesh, steel ropes and other objects.
2. Driving in grass or on rough roads.
3. Cotton or acoustic material.
4. Foreign matters are attached to the sensor surface.
5. Ultrasonic noise, metal sound and high-pressure gas emission sound at the same frequency.
6. If other electronic equipment is added or connected, the system function may also be affected during use.

Warning

- The parking assist system serves only as an auxiliary warning for obstacles around the vehicle during parking and reversing and cannot replace the driver's observation of the surrounding environment. The driver needs to monitor the environment in real time during the whole driving process, and Dongfeng Forthing is not responsible for accidents caused by the driver's negligence.
- As the parking assist system has a blind spot, please do not use it as the only credential for reversing safety. The driver is responsible for driving safety.

Reversing image

The camera installed at the rear of the vehicle collects images, which is convenient for the driver to check the rear obstacles in time during reversing.

Reversing image on

Prerequisites for turning on the reversing image: The vehicle is in the "ON" position.

Turning on/off method of reversing image: When the R gear is engaged, the reversing image will be turned on automatically; when the R gear is disengaged, the system will be turned off automatically.

Guide lines

Description of reversing image guide lines:

Red: It indicates the distance of about 1m behind the vehicle.

Yellow: It indicates the distance of about 2m behind the vehicle.

Green: It indicates the distance of about 3m behind the vehicle.

Guide line width: the width of exterior rearview mirror +7 cm.

The dynamic guide lines can assist the driver in judging the reversing trajectory, which will be activated only after the steering wheel is turned by a certain angle.

Panoramic Image *

By installing 4 wide-angle cameras around the vehicle that can cover all sight ranges around, multi-channel video images collected at the same time are processed into a 360° top view of the vehicle body around the vehicle and finally displayed on the multimedia display screen. It enables the driver to monitor the front, rear, left and right video pictures outside the vehicle in real time to avoid accidents.

Panoramic image ON

Preconditions for panoramic image turn on:

1. Turn the Start/Stop switch to "ON" position.

2. The vehicle speed is less than or equal to 30km/h.

Turning on mode of panoramic image

Press the panoramic image button on the steering wheel to turn on or off the panoramic image manually.

When the R gear is engaged, the panoramic image will be turned on automatically.

When the "Entering when steering ON" function is enabled, turn on the left/right turn signal to enable the panoramic image automatically.

Description of panoramic image function

When the vehicle speed is less than 30 km/h, enter the panoramic image interface and perform the following operations:

2D View

Tap the front, rear, left and right camera icons on the right side to switch to the corresponding view.

3D view

Tap "3D View" on the left to enter the 3D view interface. Drag the icon of the splicing area to rotate 360°, and it is also possible to zoom or drag the interface.

Front and rear wide-angle view

Tap "Front wide angle" or "Rear wide angle" on the left to switch the corresponding view.

Wheel diagram

Tap "Wheel diagram" on the left to switch to the corresponding view.

Dynamic guide lines

There are dynamic guide lines in 2D front and rear single views and the splicing view. The forward and backward directions of the dynamic guide lines switch with the switching of D and R gears, and the actual distance indicated by the guide lines is about 5 m.

The outer width of the dynamic guide lines is about the width of the left and right exterior rearview mirrors plus 14 cm. The inner width is the wheel width.

The outer layer of the dynamic guide lines has a scale, which is divided into three sections: 0~0.3 m, 0.3~1 m and 1~1.5 m.

Warning

The spoke line is only for reference and cannot be used as the basis for judging the actual distance and driving track of the vehicle. Please pay attention to the surrounding environment and drive safely when parking the vehicle.

3D surround

Tap "3D surround" to display the surrounding effect in the single view area, and after 7 s, it returns to the previous view.

Settings

Functions such as entering when steering ON, bottom filling of vehicle model and MOD alarm can be turned on and off in the settings.

Radar obstacle board display

Radar obstacle board display: In the panoramic interface, when the working conditions of the radar system are met, the obstacle board will be displayed and an alarm sound will be given.

Note

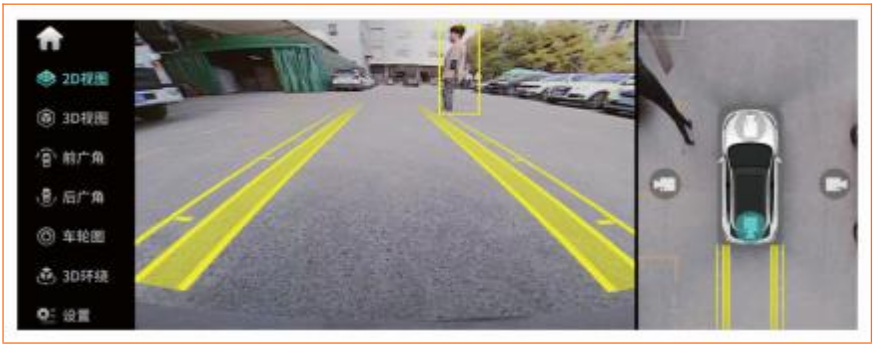
When the four outermost radars on the front, rear, left and right sides detect an obstacle, only the obstacle board is displayed without alarm sound.

Steering view

Consistent with the left and right viewing angle of 2D.

Moving object & pedestrian detection warning system (MOD)

The MOD alarm function can be turned on and off in the settings.



The 4 wide-angle cameras around the vehicle body monitor moving objects in close range in real time.

The MOD system is turned on when the following conditions are met:

1. A gear other than P is engaged.
2. The vehicle speed is less than or equal to 15 km/h, or the vehicle speed drops from more than 15 km/h to below 10 km/h.
3. MOD system alarm is on.
4. EPB is released.
5. Panoramic view is on.

Note

- The camera is similar to the human eye as it has limited visibility in environments such as dusk, night, dawn, snow, rain, and fog. This product is primarily intended for driver assistance purposes, and the driver is always responsible for maintaining a safe distance from any obstacles.
- The panoramic camera will zoom in and distort the image with a slight delay, so the surround function cannot replace the driver's operation and judgment. Please always pay attention to the safety around the vehicle during use.
- The panoramic view is only used to splice the ground images. For objects with a certain height, there will be blind spots in the air. When parking the vehicle, always pay attention to young children, concrete columns and other objects around the vehicle.
- The spoke line and radar wave distance may have certain error compared with the actual

distance. When parking, please pay attention to confirm the safety around the vehicle.

- The dirty camera will affect the use of the system. Please clean it up in time.
- When the weather is harsh and the light is insufficient, the system cannot operate normally.

Automatic parking system *

The automatic parking system uses 12 radar sensors and 4 high-definition panoramic cameras at the front and rear of the vehicle to monitor the surrounding conditions and assist in parking.

The automatic parking system plans the route for the driver to park. After finding a parking space, the driver does not need to control the steering wheel, brake or shift gears, but needs to observe the surrounding environment at all times and take over the vehicle when necessary.

The automatic parking system can realize horizontal parking-in, vertical parking-in and horizontal parking-out. During parking, the driver shall always observe the environment.

Self-test function

When the automatic parking system is turned on, it will automatically detect whether its function is normal. If the system is normal, it will buzz once for 0.5 s. If the system buzzes once for 3 s, it indicates that the system is faulty. Please contact an authorized service station of Dongfeng Forthing.

Function On and Off

Turning on/off method of automated parking system:

When the vehicle speed is below 30 km/h, press the automatic parking switch on the console to enable the parking-in function.

When the vehicle speed is 0 km/h, press the automatic parking switch on the console and tap "Horizontal parking-out" on the multimedia display screen to enable the parking-out function.

Press the automatic parking switch twice continuously, and the automatic parking system will be turned off.

If the vehicle speed is greater than 30 km/h during parking space searching, the automatic parking system will be turned off after a period of time.

Detectable parking scenarios

The parking space that can be detected must meet the following conditions:

Parallel to direction of vehicle travel.

The width of vertical parking space is at least: vehicle width + 1.2 m.

The length of horizontal parking space is at least: vehicle length + 1.2 m.

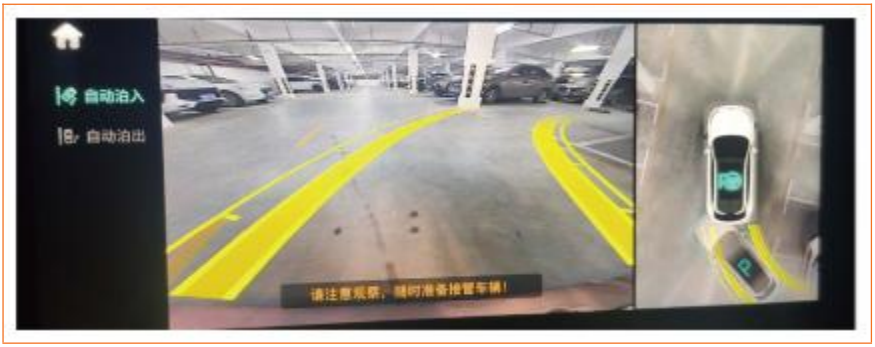
When the vehicle passes through a parking area, if the automatic parking system successfully detects this area, the found parking place will be displayed on the multimedia display screen.

Parking-in process

1. When the vehicle speed is below 30 km/h, press the automatic parking switch, and the multimedia display screen will pop up "Instructions for use", indicating precautions. Tap "Yes" to enter the parking space searching interface, and tap "No" to exit parking.

2. After entering the parking space searching interface, drive slowly. After a parking space is successfully searched, the multimedia display screen will show the parking space icon and the combination instrument will sound a prompt tone.

3. After the vehicle stops, keep braking and confirm that the found parking space and the surrounding environment are suitable and safe. Then press and hold the parking switch to release the brake pedal



4. and steering wheel, and the vehicle will be parked into the space automatically. In the process of parking, the driver must always observe the surroundings of the vehicle to ensure the safety of automatic parking.

5. The multimedia display screen prompts that parking is completed and please take over the vehicle.

Note

- During parking, the driver must always observe the surroundings of the vehicle. The driver does not need to control the steering wheel, gearshift, brake pedal and accelerator pedal.
- If there is a slope during parking and the vehicle cannot move, do not use the automatic parking system at this time; otherwise, there will be a risk of scratching the vehicle due to sudden acceleration.

Horizontal parking-out procedure

Service condition

The parking-out function can only be used when the following conditions are met:

1. The vehicle is stationary, the gearshift lever is in the P gear, and the EPB switch is pulled up.

2. The sum of the front and rear spaces of the vehicle is greater than 0.9±0.1 m, there are obstacles within 3±0.1 m in front of the vehicle, and no obstacles within 3±0.1 m in the parking-out direction.

Start parking out

1. After the parking-out conditions are met, confirm that the surrounding environment is suitable and safe, press the automatic parking switch, tap "Yes" on the instructions for use of the central control panel to enter the parking interface, then tap "Automatic parking-out" on the screen, and turn on the turn signal to select the parking-out direction.

2. After selection, the driver releases the steering wheel and the automatic parking system starts horizontal parking-out. Parking-out process

The operation is consistent with the parking-in process.

Abnormal automatic parking system

When the prompt interface of "The parking assist system is abnormal, please take over the vehicle" is displayed on the display screen, the following problems may exist:

1. The power supply voltage of the automatic parking system is abnormal.

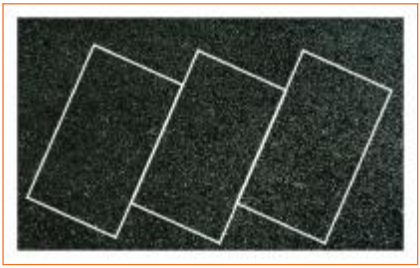
2. The automatic parking system has an internal fault.

3. There is an external system fault.

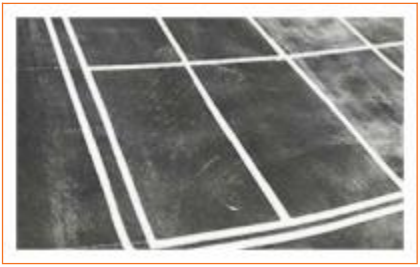
4. CAN communication abnormal.

In case of the above situation, please contact an authorized service station of Dongfeng Forthing in time.

The automatic parking function is not suitable for the following scenarios:

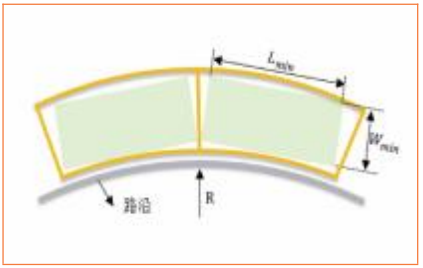


1. Diagonal parking space

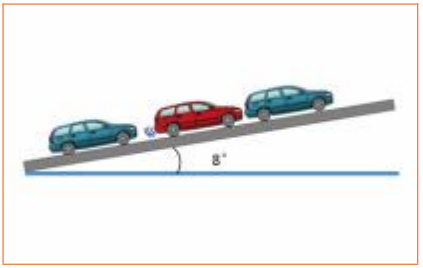


2. Parking space wit line frame interference

3. Parking space with incomplete marking lines



4. Parking space on the curve



5. Slope over 8°

6. 3D parking space

7. Other non-conventional parking spaces

Warning

- The automatic parking system is only an auxiliary tool. It identifies the parking space through radar sensor and camera scanning, and may identify areas unsuitable for parking, such as no-parking area and lane.
- The automatic parking system only assists in parking and cannot be fully relied on. This system still requires you to carefully observe the surrounding environment. Excessive dependence may hurt yourself and others. During automatic parking, always pay attention to the surrounding environment and be responsible for the safety of the vehicle.
- On a narrow road, drive as close to the parking space as possible.
- Parking spaces that are messy, weedy, or partially occupied by trailer towbars may not be easily and correctly identified.
- Rainy and snowy weather may prevent the system from accurately identifying parking spaces.
- In the process of automatic parking, observe the surrounding conditions of the vehicle and the warning information of the automatic parking system.
- When the load to be transported is higher than the vehicle, do not use the automatic parking system.
- Do not use the automatic parking system when the vehicle is equipped with tire chains or emergency spare tires.
- The position where the vehicle is parked in or out after parking depends on various factors, including the positions and shapes of vehicles parked before and behind the vehicle and the surrounding conditions of the parking space. In some cases, the automatic parking system may guide the vehicle to a position too far away or not far enough in the parking space. Sometimes, it may also guide the vehicle to pass or roll over the kerb. If necessary, please turn off the automatic parking system.

Cruise control system

The cruise control system allows the driver to keep the vehicle running at a preset speed higher than 40 km/h without depressing the accelerator pedal. This function can be enabled when driving on an expressway. It is not recommended to start this function in urban areas, winding roads, slippery roads, heavy rain or other severe weather conditions. It is strictly prohibited to use the cruise control system on icy and snowy roads.

Description of buttons

1. Resume/acceleration button
2. Cruise pause button
3. Cruise control switch button
4. Vehicle speed settings/deceleration button

Introduction to buttons

1. Resume/acceleration button

Restore the originally set cruise speed and control the vehicle at this speed.

If the cruise control function is turned on:

Press the button: Increase the set cruise speed by 1 km/h.

Press and hold the button: Increase the set cruise speed continuously at a rate of 10 km/h.

2. Cruise pause button

Press the button to pause the cruise control function.

3. Cruise control switch button

Press the button to turn on or off cruise control.

4. Vehicle speed settings/deceleration button

Set the current speed as the cruise speed, and control the vehicle at this speed.

If the cruise control function is turned on:

Press the button: Decrease the set cruise speed by 1 km/h.

Press and hold the button: Decrease the set cruise speed continuously at a rate of 10 km/h.

Note

When the vehicle is running uphill or downhill, the cruise control cannot maintain the set speed. When the downhill speed increases, the brake pedal can be used to decelerate, which will pause the cruise control function. To restore the original set speed, press the cruise resume/acceleration button.

Cruise control ON and PAUSE

Turn-on conditions

1. Press the button.
2. The vehicle speed is within 40~185 km/h.
3. Press the vehicle speed settings/deceleration button.
4. Have not depress the brake pedal.
5. Shift to gear D.
6. The system is not subjected to any failures.

Pause conditions

The cruise control function can be suspended by any of the following methods:

1. Slightly depress the brake pedal.
2. P, N or R gear is engaged.
3. Press the cruise pause button.
4. The button is pressed again.
5. The system is subjected to some failures.

The 1st, 2nd and 3rd modes are only to pause the cruise mode. When the conditions are met, the cruise can be resumed by pressing the cruise resume/acceleration button. In the 4th and 5th modes, the cruise control is completely turned off.

Resumption of Cruise Control Function

When the cruise control function is suspended, if it needs to be restored, accelerate to above 40 km/h first, and then press the cruise resume/acceleration button to re-enter the cruise state. The vehicle will run at the originally set cruising speed.

When the button is pressed to cancel the cruise function, the cruise will be completely disabled and the cruise speed set before disabling will be canceled.

Change the set vehicle speed

The cruise speed can be changed by any of the following methods:

1. Press the cruise resume/acceleration button or the vehicle speed settings/deceleration button to increase/decrease the vehicle speed.

2. Depress the accelerator pedal, release the pedal when the vehicle speed increases to the desired state, and press the vehicle speed settings/deceleration button.

3. Depress the brake pedal, release the pedal when the vehicle speed decreases to the desired state, and press the vehicle speed settings/deceleration button.

Note

Even if the cruise control function is activated, the accelerator pedal can still be used to accelerate and overtake. After overtaking, release the pedal. If the cruise conditions are still met, the vehicle will resume the originally set cruising speed.

Driver Assistance *

Introduction

The driver assistance system can assist the driver to observe and perceive the surrounding environment during driving, provide the diver with collision warning, active safety and cruise assistance to ensure driving safety.

The main functions of the driver assistance system include:

1. Forward collision-avoidance assist.
2. Lane departure warning.
3. Cruise assist.
4. IHC.
5. TSR.
6. Side-rear driver assistance.

Forward Collision-Avoidance Assist *

Forward collision-avoidance assist includes forward collision warning (FCW) system and automatic emergency braking (AEB) system. During driving, it provides alarm prompt and brake assist for the driver when there is a risk of collision in front of the vehicle.

Forward collision warning (FCW) system *

The FCW system detects the distance and relative speed between the vehicle and vehicles/pedestrians ahead through the forward-facing camera, and prompts the driver to take corresponding measures when judging that there is a collision risk. The working speed range of FCW system is 8~200 km/h. FCW system can reduce the incidence of rear-end collision and pedestrian collision, and remind the driver to respond before collision to mitigate accident damage.

Warning

- The FCW system will not control the vehicle, and the driver must always maintain control of the vehicle and be responsible for the vehicle.
- In case of an emergency, the driver shall exercise independent judgment and apply the brakes without relying too heavily on the alarm.

Description of System Control Capability Limitation

The FCW system has limited response capacity and may not send out alarm signals in time. For example, when a vehicle ahead forcibly enters the driving lane under extreme working conditions or a pedestrian suddenly enters the driving lane, it may not be able to give an alarm in time.

Description of System Detection Capability Limitation

1. The FCW system is usually working in the background and cannot be noticed by

the driver, so relevant target vehicles or pedestrians will not be displayed to the driver when they are detected.

2. The FCW system can only identify regular vehicles that have obtained license plates and are legally driving on the road.

3. The FCW system obtains vehicle information by identifying the rear of the vehicle, so the system will not give an alarm prompt for vehicles coming from the opposite direction and crossing ahead.

4. The FCW system is an alarm system, but it cannot detect the vehicles in all cases. For example, when the rear of the vehicle is seriously obstructed, the shape of the vehicle is strange (such as overloaded vehicles transporting trees), and the rear of the vehicle is seriously damaged.

5. The FCW system can identify unobstructed adults with a height of 1.5~2.3 m and children with a height of more than 0.8 m.

6. To give full play to the best detection performance of FCW system, the camera shall receive clear and unmistakable information about body shape as much as possible. This means that the head, torso, arms and legs can be identified based on standard human movement.

7. The FCW system requires sufficient contrast between the pedestrian and the environmental background. Excessively bright or dim lighting has a negative impact on the system. If pedestrians are detected late or not at all due to their posture or the environment, the collision alarm will be delayed or cannot be triggered.

8. The FCW system is an alarm system, but it cannot detect pedestrians in all cases. For example, when pedestrians are partially obstructed, their body shapes are indiscernible due to clothing, they are of shorter stature, carrying large objects, or have poor contrast, etc.

Constraints of traffic environment on system safety

1. The system may fail to recognize traffic signs on curved or hilly roads, or when the sensor is blocked by ice, snow, or dust. Please clean the front windshield.

2. In case of poor visibility, such as heavy fog, rain or snow, the performance of FCW system will be limited.

3. Under complex traffic conditions, the FCW system may not identify vehicles in time, resulting in alarm delay.

Function ON

Turn on or off the FCW system function via the [Forward Collision Warning FCW] soft switch via [Vehicle] - [Driver Assistance] tab in the [Settings] screen of the multimedia display screen. At the same time, select the functional sensitivity through the switch.

When the vehicle is too close to a vehicle ahead, FCW will work and its warning indicator will flash red. When the FCW is turned off, the FCW OFF indicator icon lights up in yellow.

FCW system is automatically turned on when the vehicle is started, and it is not recommended for users to turn off the system.

The FCW system supports sensitivity adjustment, which is divided into three levels: normal, advance and delay.

The FCW system is turned on by default, and the sensitivity is "Normal" by default. The function is turned on by default after it is started, and the sensitivity cam be memorized.

Function triggering

When the FCW system is triggered, a warning icon will be displayed in the combination instrument pop-up box and an audible alarm signal will be given at the same time.

System interruption

When any inhibition condition is met, the FCW system will not be triggered. It aims to let the driver control the vehicle without disturbance.

1. The driver implements "active steering", and the steering wheel rotates too fast or the steering angle is too large.

2. The driver implements "takeover of vehicle control", and depresses the accelerator pedal position too hard.

3. The driver depresses the brake pedal.

The FCW system may be automatically deactivated in the following cases:

1. The sensor is blocked.

2. Severe weather.

3. The system is subjected to some failures.

Description of factors affecting calibration

After replacement of the forward-facing camera, front windshield, four-wheel alignment of vehicle and body and chassis tuning or any other factors that affect the camera position, the system needs to be recalibrated; otherwise, the system performance will be reduced or the system cannot work normally.

Instructions for Sensor Cleaning

1. The camera sensor area on the front windshield will be blocked by ice, snow and dust. This area shall be cleaned for proper operation of the FCW system.

2. The operation of the system may also be restricted in case of rain, snow or accumulated water on the road.

Autonomous emergency braking (AEB) system

The working range of AEB system is 8~75km/h. This system detects the distance and relative speed between vehicle and other vehicles or pedestrians ahead through the forward-facing camera, and automatically performs emergency braking when judging that an inevitable collision is about to occur, so as to avoid collision or reduce injuries caused by collision. The AEB system can reduce the probability of rear-end collision and pedestrian collision, and automatically apply emergency braking before a collision as much as possible to reduce the severity of an accident.

⚠ Warning

- The drivers shall be responsible for how to drive and how to avoid dangerous situations.
- The AEB system is an active safety assistance system, but it cannot completely avoid collision with the vehicle or pedestrian ahead. If the system fails to detect vehicles or pedestrians ahead, the driver must intervene.
- Ensure that the vehicle drives safely at the appropriate speed and maintains a suitable distance from the vehicle ahead and pedestrians.
- In case of an emergency, the driver shall apply the brakes as soon as possible.

⚠ Warning

- If an accident occurs during the use of this function, the driver shall exit the current system in time and take over the vehicle actively.

Description of System Control Capability Limitation

1. The response and braking capacity of AEB system are limited, so there may not be enough time and braking force to reduce the vehicle speed to avoid collision with vehicles or pedestrians ahead. When a vehicle ahead forcibly enters the driving lane under extreme working conditions or a pedestrian suddenly enters the driving lane, collision may not be avoided.

2. Always pay full attention when driving the vehicle, and be ready to deal with unexpected situations at all times.

3. The AEB system is usually in the background working state and will not be detected by the driver, so the relevant target vehicle or pedestrian is detected and will not be displayed.

4. The AEB system can identify regular vehicles with license plates installed and legally driving on the road.

5. The AEB system obtains vehicle information by identifying the rear of the vehicle, so the system will not give an alarm prompt for vehicles coming from the opposite direction and crossing ahead.

6. The AEB system is a driver assistance system, but it cannot detect vehicles in all circumstances, for example, when the rear of the vehicle is seriously obstructed, the shape of the vehicle is strange (such as overloaded vehicles transporting trees), and the rear of the vehicle is seriously damaged.

7. The AEB system can identify unobstructed adults with a height of 1.5~2.3 m and children with a height of more than 0.8 m.

8. To give full play to the best detection performance of AEB system, the camera shall receive clear and unmistakable information about body shape as much as possible.

9. The AEB system requires sufficient contrast between the pedestrian and the environmental background. Excessively bright or dim lighting has a negative impact on the system.

10. The AEB system is a safety assistance system, but it cannot detect pedestrians in all cases.

For example, when pedestrians are partially obstructed, their body shapes are indiscernible due to clothing, they are of shorter stature, carrying large objects, or have poor contrast, etc.

Constraints of traffic environment on system safety

The performance of AEB system will be reduced in the following cases:

1. The system may not be able to detect a vehicle ahead when the subject vehicle is on a curved road or slope, or when the sensor is blocked by ice, snow or dust. Please keep the front windshield clean.

2. When the visibility is poor, such as in foggy or rainy and snowy weather conditions, the performance of AEB system will be limited.

3. On a slippery road, the braking effect may decrease and the braking distance may increase.

4. Under complex traffic conditions, the AEB system may not identify vehicles in time, resulting in delay of emergency braking.

Description of vehicle handling stability and system status

When the ESP system is off or in a fault state, the braking function of AEB system will not be activated.

Function ON

Turn on or off the AEB system via [Automatic Emergency Braking (AEB)] soft switch in the [Settings] - [Vehicle] - [Driver Assistance] tab on the multimedia display screen.

When the distance from the vehicle ahead is too close, the AEB works, and the AEB indicator flashes in red. When the AEB is turned off, the AEB indicator stays on in yellow.

The AEB system is turned on by default every time the vehicle is started, and it is not recommended that the user turn off the AEB system.

Function triggering

When the AEB system triggers automatic emergency braking, a warning icon will pop up on the combination instrument at the same time, and an audible alarm signal will be given.

System interruption

The AEB system will not be triggered when any of the following inhibition conditions is met:

1. The driver implements "active steering", and the steering wheel rotates too fast or the steering angle is too large.

2. The driver "takes over vehicle control": The driver depresses the accelerator pedal too hard.

The AEB system may be automatically deactivated in the following cases:

1. The sensor is blocked.

2. Severe weather.

3. The electronic stability control system works abnormally or is turned off.

4. The system is subjected to some failures.

The AEB system will be interrupted in the following cases:

1. The driver implements "active steering": The angular speed of the steering wheel is high or its turning angle is too large.

2. The driver "takes over vehicle control": The driver depresses the accelerator pedal too hard.

3. The AEB system stops automatic braking if the speed drops beyond the threshold of 40 km/h.

Lane departure warning (LDW) system *

Working principle

When the vehicle runs on a road with identifiable lane lines at a speed greater than or equal to 70 km/h, the LDW system is activated. When the vehicle deviates from the lane unconsciously, the LDW system gives an audible and visual alarm to remind the driver to drive safely.

Note

- The LDW system may not work normally because the camera on the front windshield is blocked by ice, snow and dust. Therefore, keep the camera clean.
- The operation of the system may also be restricted in case of snow, heavy rain or accumulated water on the road.

Function ON

Turn on or off the LDW system function via [Settings] - [Vehicle] - [Driver Assistance] - [Lane Departure Warning (LDW)] on the multimedia display screen, and select the functional sensitivity using the switch.

Function activation

After the function is enabled, if the system can detect lane lines, the vehicle speed is greater than 70 km/h and other functional conditions are met, the system will automatically enter the activated state.

If the lane lines on both sides disappear or the vehicle speed is lower than 70 km/h, the system will exit the activated state.

When the turn signal (or hazard warning light) is turned on, the system warning function will be suppressed; when the turn signal (or hazard warning light) is turned off, the warning function of the system returns to normal.

When the vehicle is on a curve (125 m < lane curvature < 250 m), the LDW system enters the curve cut-in mode, and the warning will be delayed.

When the vehicle is running on a narrow lane (2.5 m < lane width < 3.0 m), the LDW system enters the adaptive mode of the narrow lane, and the warning will be delayed.

The LDW system information can be displayed on the combination instrument. When the LDW system is turned off, the lane departure indicator will go out.

When the LDW system is turned on but not activated, the lane departure indicator stays on in white.

The LDW system is activated, and the lane departure indicator stays on in green.

System information

The driver assistance page of the combination instrument displays the lane departure warning system information.

Lane line detected

If a lane line is detected, the main interface will display it; if no lane line is detected, it will not be displayed.

LDW

The left lane departure warning is sent, the departed lane line turns red in the main interface, and the buzzer gives an alarm.

Note

The lane line detection state cannot be used to judge whether the vehicle is in the lane, and the driver needs to control the driving direction of the vehicle.

Functional limitation

The LDW is only an auxiliary reminder. The driver should pay attention to the surrounding driving environment at any time and decide whether to change lanes.

The LDW system can only provide an alarm in case of lane departure and cannot actively correct the driving direction of the vehicle. The driver is responsible for controlling the vehicle.

The function will be limited under the following conditions. If LDW system does not work normally due to poor driving conditions, do not use the system:

1. The sensor is blocked by ice, snow or dust stains on the windshield.

2. When in heavy fog, rain, snow and other weather with low visibility.

3. When the lane line is blocked by other obstacles.

4. When the lane line width is too narrow or the curve curvature is too large.

5. When the sight of camera is blocked due to too close distance from the front vehicle.

6. When driving towards strong light.

7. When the vehicle is driving in complex lane situations such as lane line bifurcations, intersections, sidewalks, or construction zones.

8. When the road surface is shaded by railings, trees or other objects, misidentification may occur.

9. When the lane line is blurred or the light is weak at night.

10. When the vehicle is driving on a road covered with rain and snow.

Warning sensitivity

The LDW system supports sensitivity adjustment, which is divided into three levels: normal, advance and delay. LDW system ON/OFF state and sensitivity can be memorized, which will be restored to the state set last time by default when the vehicle is started.

There are two factors affecting system sensitivity:

1. Removal and installation of interior rearview mirrors

2. Replace the front windshield.

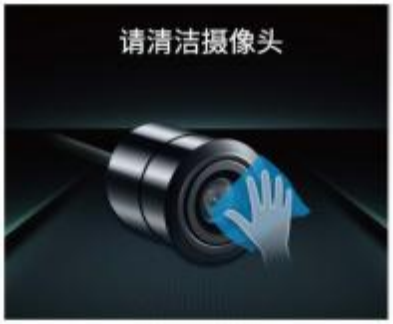
After replacement of the forward-facing camera, front windshield or four-wheel alignment and body and chassis tuning, the system shall be recalibrated; otherwise, it cannot work normally.

Cruise assist *

Cruise assistance includes adaptive cruise control (ACC) system, lane keeping assist and traffic jam assist (TJA) systems. During driving, the vehicle keeps running in its own lane at the cruising speed or cruise distance set by the driver.

Adaptive Cruise Control (ACC) system

With the ACC system, the vehicle can run at any speed in the range of 0~130 km/h, or follow a vehicle ahead within the following distance range allowed by the system. Depending on whether there is a vehicle ahead, the system can also automatically switch between speed control and following distance control.



When the camera needs to be cleaned, the combination instrument will display a prompt message.

Warning

- The ACC system is not a safety system, obstacle detector or collision warning system, but a comfort system. Therefore, when the ACC system is on, the driver shall always observe the road conditions, keep monitoring the vehicle and have full responsibility for the vehicle.
- The ACC system is suitable for use on expressways and roads in good condition, but not for use on urban or mountainous roads.

Warning

- For the sake of safety, please use ACC system carefully, pay close attention to the surrounding environment and be ready to take over the vehicle at any time when driving in urban areas, on winding roads or under traffic congestion.
- Do not use the ACC system on hill roads, slippery roads (prone to hydroplaning), poor road conditions (such as slippery roads, waterlogged roads, gravel roads and roads under construction), severe weather with low visibility (foggy, rainy or snowy days, etc.), or when sensors are blocked by snow, ice, fog, dirt or dust, as there is a risk of accident.
- The ACC system can only adjust the distance from the vehicle running ahead. Generally, it cannot detect vehicles on other lanes, other sides of the vehicle (except the rear), children, pedestrians, animals or other objects and brake the vehicle.

Description of buttons

Press the cruise control button and the ACC ON indicator (white) on the combination instrument will light up, indicating that the ACC system is in standby state. When the standby mode of the ACC system is normal and the vehicle speed is higher than 30 km/h, press the speed setting/deceleration button to activate the ACC system.

1. Resume/acceleration button
2. Cruise pause button
3. ACC ON/OFF button

4. Vehicle speed settings/deceleration button
5. Following distance adjustment button

Introduction to buttons

1. Resume/acceleration button

Restore the originally set cruise speed and control the vehicle at this speed.

If the cruise control function is turned on:

Press the button: Increase the set cruise speed by 1 km/h.

Press and hold the button: Increase the set cruise speed continuously at a rate of 10 km/h.

2. Cruise pause button

Press the button to pause the cruise control function.

3. ACC ON/OFF button

Press this button to turn on or off the ACC system.

4. Vehicle speed settings/deceleration button

Set the current speed as the cruise speed, and control the vehicle at this speed.

If the cruise control function is turned on:

Press the button: Decrease the set cruise speed by 1 km/h.

Press and hold the button: Decrease the set cruise speed continuously at a rate of 10 km/h.

5. Following distance adjustment button

Set the following distance from the vehicle ahead. Four modes can be set: near, medium, far and ultra-far.

Warning

- If there is an oncoming vehicle in the same lane, ACC will not respond.
- The ACC system shall be temporarily turned off when the vehicle is running on a curved lane, an expressway exit or a road section under construction.
- The ACC system can assist the driver but cannot replace the driver in driving. Even if the ACC system is turned on, the driver must drive carefully, be ready to take over the vehicle at any time and obey the speed limit rules.

Warning

- Please set the cruise speed and following distance reasonably according to the current road, traffic and weather conditions. The set speed shall not be too high to avoid accidents.
- In some cases (excessive relative speed, sudden deceleration, parking, quick lane change or small safety distance of the vehicle ahead), the ACC system may have no time to decelerate to avoid collision with the vehicle ahead. The driver shall always pay full attention during driving and be ready to take measures in case of any danger.

System operation

When the ACC system is turned on, the green indicator  in the combination instrument lights up and the combination instrument displays the set cruise speed and ACC system state.

Turn-on conditions

1. Press the ACC ON/OFF button.
2. The engine is running.
3. The D gear is engaged.
4. The four doors, tail door and engine hood are all closed.
5. Brake pedal is not depressed.
6. The vehicle speed is not less than 30 km/h.
7. The electronic stability program (ESP) has no fault. 8. The parking brake is not applied.
9. The transmission is free of fault.
10. The engine is free of fault.

Exit condition

1. With the ACC system turned on, press the ACC ON/OFF button.
2. With the ACC system activated, press the cruise pause button.
3. Depress the brake pedal.

Warning

- The ACC system cannot detect the objects or accessories protruding from the side, rear end or roof of the target vehicle. If the vehicle ahead is equipped with the above-mentioned special loads or special equipment, be sure to turn off the ACC system when overtaking such a vehicle. The driver shall actively depress the brake as appropriate.
- Do not turn on the ACC system when towing a trailer.
- The driver can depress the accelerator pedal at any time to increase the vehicle speed. After the accelerator pedal is released, the vehicle speed will gradually return to the original set adaptive cruise speed. However, the driver shall note that depressing the accelerator pedal unintentionally for a long time will cause ACC system to fail to turn on automatically, which may result in collision with the vehicle ahead.
- When the vehicle is stopped by ACC system, be sure to prepare for manually depressing the brake pedal.
- When the vehicle is stopped by ACC system, the driver must put the vehicle in the P gear and turn off the Start/Stop switch before leaving the vehicle.

Automatic following start and following stop

On a congested urban road section, the ACC system can control the vehicle to follow the vehicle ahead to decelerate until it stops. If the vehicle ahead departs within 3 s, the ACC system will control the vehicle to automatically follow. If the vehicle ahead stops for a long time, press the cruise resume/acceleration button or gently depress the accelerator pedal to reactivate the ACC system.

Schematic Diagram of Vehicle Following

Display Interface	Description
	If no vehicle ahead is detected, the combination instrument will not display the icon for the vehicle ahead.
	The vehicle ahead is detected.

Warning

- The following diagram is only displayed when a vehicle running in the same lane and direction is detected.
- If the schematic diagram of vehicle following is not shown, the ACC system will not respond to the vehicle ahead or apply brake.
- For the sake of safety, the set vehicle speed will be deleted after the vehicle is shut down.
- If the combination instrument prompts "ACC system exits automatically" and the ACC system cannot be turned on again, it indicates that the vehicle has an abnormal situation during this engine operation and needs to be restarted.
- When the traction control system or ESP system is triggered, if the ACC system is controlling the vehicle speed, the ACC system will automatically shut down.
- If an accident occurs during the use of this function, the driver shall exit the current system in time and take over the vehicle.

Following distance

When the following distance is set to be short, the combination instrument displays as shown in the figure above.

When the following distance is set to be medium, the combination instrument displays as shown in the figure above.

When the following distance is set to be long, the combination instrument displays as shown in the figure above.

When the following distance is set to be ultra-long, the combination instrument displays as shown in the figure above.

ACC state and cruise speed

Display Interface	Description
	White indicator stays on: The ACC system is turned on but not activated.
	Green indicator stays on: The ACC system is turned on and working.
	Green indicator flashes: The ACC system exits caused by external fault, but the current action is still completed.

Other prompts on the combination instrument display screen

Under some driving cycles, the combination instrument will display text information and symbols other than those mentioned above. Please pay close attention to them.

Display Interface	Description
	The indicator stays on white: The ACC system cannot be activated.
	The vehicle ahead starts, which reminds the driver of restoring ACC.

⚠Warning

- If the combination instrument display interface is inconsistent with the actual situation observed by the driver, the driver shall take over control and drive the vehicle according to the actual situation.

Warning

- If the traction control system or ESP system is off, the ACC system cannot be turned on.
- When road conditions permit safe use of the ACC system, it can be turned on manually.
- After replacement of the forward-facing camera, front windshield, four-wheel alignment of vehicle and body and chassis tuning or any other operations that affect the camera position, the system needs to be recalibrated; otherwise, the system performance will be reduced or the system cannot work normally.

In the following cases, the ACC system may be deactivated automatically and the driver needs to apply the brake manually to reduce the vehicle speed:

1. The sensor is blocked.
2. The traction control system or ESP system is triggered or off.
3. No vehicles or other objects are detected.
4. The system is subjected to some failures.

Prompt the driver to take over the vehicle

The driver is required to take measures by himself/herself and take over the vehicle.

As the ACC system cannot provide the maximum braking force, under certain driving conditions, its deceleration capability is not enough to keep a sufficient distance from the vehicle ahead. In these emergencies, the ACC system will require the driver to take over the vehicle in time.

The ACC system will give visual and audible instructions to the driver. In this case, the driver shall take measures on his/her own:

1. A red steering wheel mark will appear on the combination instrument display screen, as shown in the figure above.
2. The text "Please take over the vehicle" appears above the red steering wheel mark.
3. An acoustic signal (buzzer) sounds.

Note

- After the ACC system requires the driver to take over the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to apply braking force on the vehicle.
- If the vehicle speed exceeds the set value by depressing the accelerator pedal, the driver will not receive a takeover request.
- In order not to affect the performance of the camera, the detecting part of the camera shall not be blocked by foreign matters (such as labels and additional parts).
- The camera sensor on the front windshield in front of the interior rearview mirror may be blocked by snow, ice, dust or mud. This area shall be cleaned for proper operation of the ACC system.
- The operation of the system may also be restricted in case of snow, heavy rain, heavy fog or accumulated water on the road.
- Structural tuning of the vehicle may deteriorate the ACC system.

Functional limitation

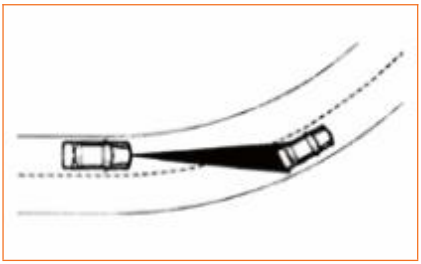
The following describes some driving conditions that may affect the camera function.

The ACC system is restricted by physical laws and the system itself during driving. In addition, the response of ACC system under certain conditions may be unexpected or delayed from the driver's perspective. Therefore, the driver shall always pay attention to it and take over the vehicle when necessary.

Warning

The visibility of the camera may be reduced due to strong lighting, too dark environment, rain, snow and dirty or dust blocking the sensor. As a result, the vehicle ahead cannot be identified in time or at all. Take over the vehicle when necessary.

Vehicle entering/leaving a curve

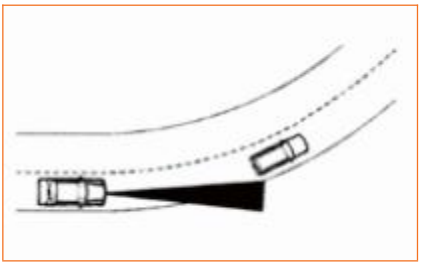


When the vehicle is entering/leaving a curve, the ACC system may respond to vehicles on adjacent lanes and apply brake. This braking process can be ended in advance by depressing the accelerator pedal.

Warning

When using the ACC system on a curve, the driver shall pay close attention to the surrounding environment and vehicle conditions, select appropriate cruise speed and cruise following distance, and be ready to take over the vehicle at any time.

Vehicle in curve

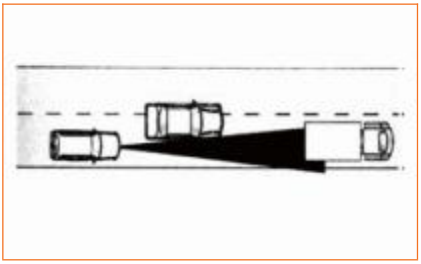


When the vehicle is in a curve, the ACC system may not be able to detect vehicles ahead on the same lane and the driver may lose control of the vehicle or have an accident. Please pay close attention and be ready to take over at any time.

Note

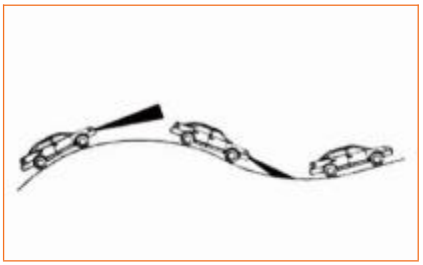
- In the case of sharp curve, the ACC system may reduce vehicle speed or operate in a manner different from that on straight road.
- In a curve, the ACC system may not be able to detect the vehicle ahead and accelerate to the set speed. When this occurs, the symbol of the vehicle ahead will not be displayed on the combination instrument display screen.

Vehicle traveling not in the same straight line



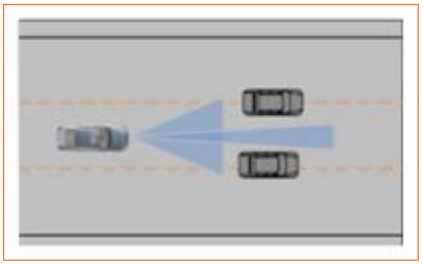
For a vehicle that is not running in the same straight line (a vehicle entering from the adjacent lane), if they do not enter the detection range of the camera sensor, the sensor may not detect that vehicle, resulting in ACC response delay. The driver shall pay close attention to the movement of vehicles in adjacent lanes and take over when necessary.

Vehicle traveling on slope



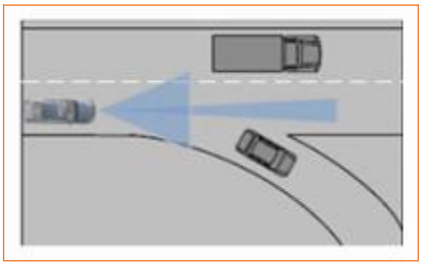
Do not use the ACC system when the vehicle is running on a bumpy slope. On a bumpy slope, the ACC system cannot detect vehicles on the same lane and will automatically turn off when the driver depresses the brake pedal frequently.

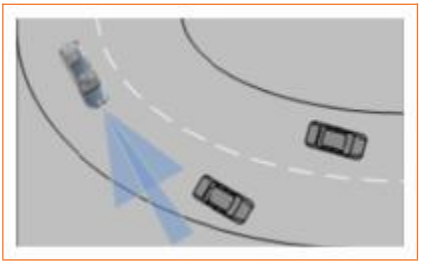
Vehicle traveling in narrow lane



The ACC system cannot accurately judge the width of the lane ahead. When feeling that it is impossible to pass through normally, the driver shall immediately depress the brake pedal to turn off the ACC system and take over the vehicle.

Vehicle traveling on the expressway ramp



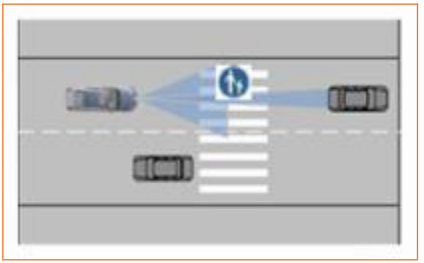


When the followed target vehicle leaves the expressway or turns, the ACC system will lose the target and may accelerate automatically.

For a vehicle traveling on an expressway ramp, the system may lose the target due to an excessive curve and will automatically accelerate.

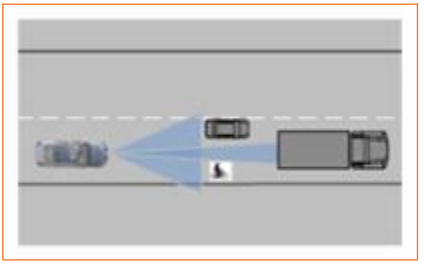
In this case, the ACC system can be turned off at any time by depressing the brake pedal or pressing the ACC ON/OFF button.

Pedestrian ahead of subject vehicle



The ACC system cannot detect pedestrians. Once the driver finds that there is a pedestrian passing through in front of the vehicle, he/she must take over the vehicle.

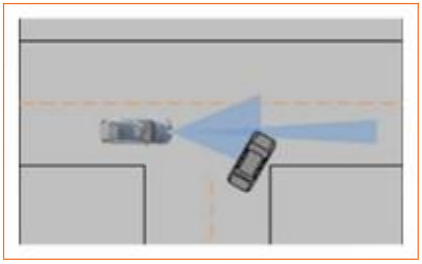
Vehicles not easily identifiable



The ACC system cannot detect all types of vehicles on the driving path, especially

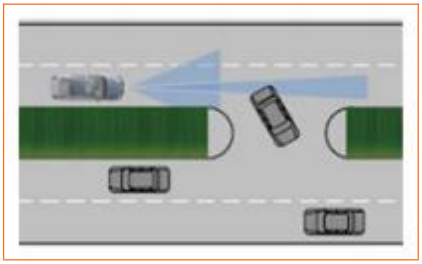
narrow vehicles such as electric vehicles, bicycles and motorcycles, or vehicles with high chassis and loads exceeding the body. The driver shall pay close attention to the surrounding environment of the vehicle.

Vehicle cutting in laterally



When another vehicle is suddenly cutting in laterally in front of the vehicle, the ACC system may not be able to control the vehicle quickly or apply emergency braking. In this case, the driver shall pay attention to the traffic conditions ahead.

Target vehicle making a U-turn or a right-angle turn

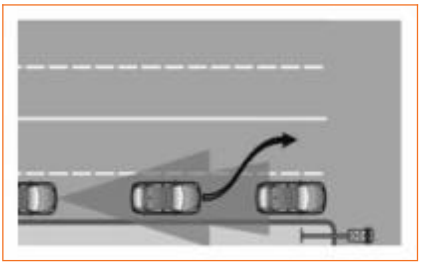


When the target vehicle followed by the subject vehicle makes a U-turn or right-angle turn, the sensor will lose the target and the system may accelerate automatically. The driver shall continuously pay attention to the surrounding environment and be ready to take over at any time.

Traffic light change at intersections

When the target vehicle followed by the subject vehicle passes through an intersection, the driver shall pay attention to the change of traffic lights and take over the vehicle when necessary to avoid violating traffic rules.

Stationary vehicles



If the vehicle ahead, which is behind a stopped vehicle, suddenly changes to another lane, the system may not have enough time to brake and the driver shall take control of the vehicle if necessary.

Lane keeping assist (LKA) system

The LKA system can keep the vehicle running along the lane line at a speed of 70~130 km/h. The system will automatically assist the driver in turning the steering wheel to pass through a curve where the curvature of lane line is not too large.

The LKA system also has some technical limitations, so the driver must intervene in steering under certain conditions. When necessary, the system will prompt the driver to control the steering wheel through audible and visual alarms.

Warning

- The LKA system is a comfort system and does not have the ability to deal with special driving cycles such as complex traffic conditions or sudden environmental changes. The driver must always keep control of the steering wheel and be fully responsible for the vehicle.
- The LKA system is suitable for expressways and roads with good conditions, but not on urban or mountainous roads.
- The LKA system can assist the driver but cannot replace the driver for driving. Even if the LKA system is activated, the driver must drive carefully.

Warning

- The LKA system allows the driver not to operate the steering wheel for a short time, but it will automatically exit if the time is too long. The driver must be ready to take over the steering wheel at any time.
- It is recommended not to use the LKA system when the road environment is harsh or the road conditions are complex.
- If an accident occurs during the use of this function, the driver shall exit the current system in time and take over the vehicle actively.

Description of System Control Capability Limitation

The steering capability of LKA system is limited, and it cannot guarantee that the vehicle can pass through curves with any curvature within the effective speed range. The driver must concentrate and always be ready to take over the steering wheel when negotiating a curve.

Description of System Detection Capability Limitation

The LKA system can identify lane lines and curbs with a certain contrast. For fuzzy or stained lane lines, the identification may be inaccurate or impossible, and for some vehicle tracks, watermarks or shadows with large color difference and contrast on the road surface, the identification may be wrong. Inaccurate lane line detection may cause function exit or abnormal steering.

The LKA system may not work normally in the following cases:

1. The sensor is blocked by ice, snow or dust stains on the windshield.
2. When in heavy fog, rain, snow and other weather with low visibility.
3. When the lane line is blocked by other obstacles.
4. When the lane line width is too narrow or the curve curvature is too large.
5. When the sight of camera is blocked due to too close distance from the front vehicle.
6. When driving towards strong light.
7. The vehicle is driving in complex situations such as lane line bifurcations, intersections, sidewalks, or construction zones.
8. When the road surface is shaded by railings, trees or other objects, misidentification may occur.
9. When the lane line is blurred or the light is weak at night.
10. When the vehicle is driving on a road covered with rain and snow.
11. The road surface is extremely bumpy or uneven.

Description of vehicle handling stability and system status

When the traction control system or ESP system is activated, if LKA system is controlling steering, the LKA system will exit.

When the road conditions allow safe use of the LKA system, it can be manually restored and turned on.

Description of buttons

Press the lane keeping assist button to turn on or off the system.

Function ON

When the lane keeping assist button is pressed, the LKA indicator on the combination instrument will light up in white, indicating that the LKA system is in standby state.

After the function is enabled, if the system can detect lane lines, the vehicle speed is greater than 70 km/h and other functional conditions are met, the system will automatically enter the activated state. The main functional conditions are as follows:

1. All doors must be closed.
2. The EPS system has no fault.
3. The ESP system has no fault.
4. The local function of ESP system is not activated.
5. The transmission has no fault.
6. The engine is free of fault.
7. The gear is in forward position.
8. The current vehicle speed must be at least 70 km/h.
9. The system will exit the activated state if the lane line on either side is not clear, or the vehicle speed is lower than 65 km/h, or other exit conditions are met.

LKA system exit conditions

1. Press the LKA button after the LKA system is turned on. 2. The vehicle speed is less than 65km/h.
3. The lane line is not clear.
4. The steering wheel is controlled manually.
5. The turn signal is turned on.

Description of combination instrument display

The LCA system information is displayed on the combination instrument:

1. When the LKA system is turned off, and the LKA system ON indicator on the combination instrument goes out.
2. When the LKA system is turned on but does not meet the working conditions, the LKA system ON indicator on the combination instrument stays on in white.
3. When the LKA system is activated, the LKA working indicator on the combination instrument stays on in green.
4. When an external fault causes the LKA system to exit, but the current action will still be completed, the LKA working indicator on the combination instrument flashes in green (and a takeover request is sent at the same time).

Lane line detection state icon displayed on the combination instrument

When no lane line is detected, no lane line is displayed on the main interface.

When lane lines on both sides are detected, the lane lines on both sides on the main screen are white.

When lane lines on both sides are detected, and the LKA system is activated, the lane lines on both sides are blue.

Description of system takeover prompt

The combination instrument will continuously display the text prompt of "Please take over the vehicle" with alarm sound at the same time.

The combination instrument will continuously display the text prompt of "Please take over the steering wheel" with alarm sound at the same time until the user puts the hand on the steering wheel.

Note

- If the system reaches the upper limit of its steering capability during turning for more than a certain period of time, the system will give a takeover prompt. At this time, the driver shall take over the steering wheel.
- If the system judges that the curve ahead exceeds its passing capacity, the system will give a takeover prompt. At this time, the driver shall take over the steering wheel.
- If the system detects abnormal shaking of the steering wheel, it will give a takeover prompt. At this time, the driver shall take over the steering wheel.

Note

- If the system detects that the driver does not hold the steering wheel for a period of time, the system will give a warning that the driver's hands are off. At this time, the driver shall take over the steering wheel.
- After the system requires that the driver takes over the vehicle, if the steering wheel of the vehicle is still under automatic control, the driver must operate the steering wheel to control the direction of the vehicle.

Introduction to system control function

If the driver actively controls the steering wheel to change direction or turns on the turn signal to prepare for lane changing when the LKA system is activated, the LKA system will exit temporarily. When the driver turns off the turn signal or passively controls the steering wheel and stays near the lane centerline, the LKA system will be turned on again.

Description of factors affecting calibration

1. Removal and installation of interior rearview mirror

2. Replacement of front windshield

After replacement of the forward-facing camera, front windshield, four-wheel alignment of vehicle and body and chassis tuning or any other operations that affect the camera position, the system needs to be recalibrated; otherwise, the system performance will be reduced or the system cannot work normally.

Instructions for Sensor Cleaning

1. The camera sensor on the front windshield in front of the interior rearview mirror may be blocked by snow, ice, dust or mud. This area be cleaned for the lane keeping function to operate properly.

2. The operation of the system may also be restricted in case of snow, heavy rain or accumulated water on the road.

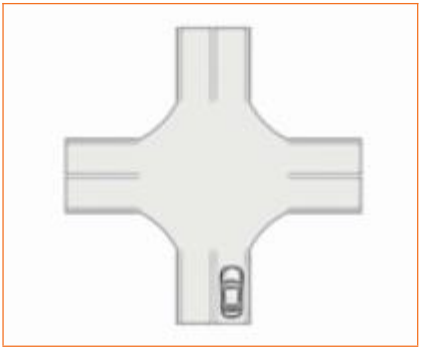
Functional limitation

Under certain traffic road conditions, the LKA system cannot respond well, resulting in accidents. Therefore, the driver shall pay special attention to this situation. Such driving cycles include but are not limited to the following:

Interference line on the road

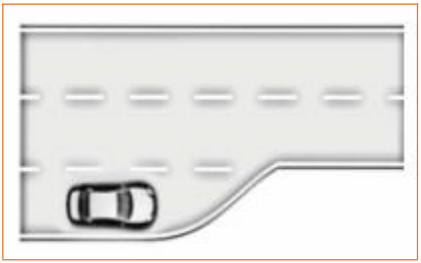
When there is an obvious interference line on the road in front of the vehicle, the LKA system may exit due to degradation in identification quality of lane lines caused by the interference line on the road, or abnormal steering may occur due to the interference of that interference line.

No lane line at the intersection



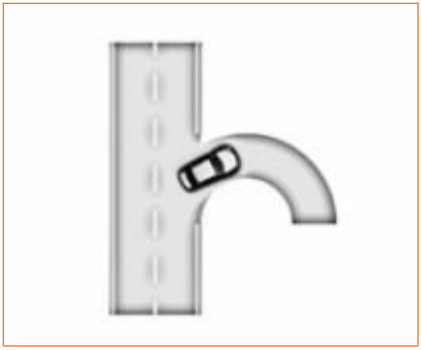
When the vehicle travels to an intersection, the LKA system may exit due to absence of the lane line ahead, or abnormal identification and steering may occur due to the influence of crosswalk and other road markings at the intersection.

Lane line convergence



When the vehicle travels to the lane line convergence position, the LKA system may exit because it identifies that the vehicle cannot pass through due to the lane line convergence ahead.

Expressway ramp



When the vehicle runs to an expressway ramp, the LKA system may exit due to a reduced speed lower than the effective one when entering the ramp or recognition of excessive ramp curvature or unclear lane line.

Lane line blocked vehicle ahead

When there is a vehicle running close ahead of the vehicle and blocking the lane line ahead, the LKA system may exit due to unrecognized lane lines on one side.

Blurred lane line

When the lane line ahead of the vehicle is blurred, the LKA system may exit due to failure to identify clear lane lines.

Too curve or too narrow lane ahead

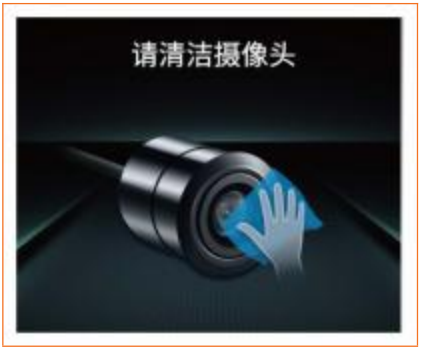
When the lane ahead is too wide or narrow, the LKA system may judge that the width of the lane ahead does not meet the functional conditions and exit.

Extremely bumpy or uneven road surface

When the vehicle runs on an extremely bumpy or uneven road surface, the LKA system may exit due to abnormal fluctuation of steering wheel caused by road excitation or abnormal lane identification caused by severe vehicle bumpiness.

Traffic Jam Assist (TJA) System

With the TJA system, the vehicle can run at any required speed in the range of 0-130 km/h, or follow a vehicle ahead within the following distance range allowed by the system. Depending on whether there is a vehicle ahead, the system can also automatically switch between speed control and following distance control, and enable lane keeping assist (LKA) at the same time.



When the camera needs to be cleaned, the combination instrument will display a prompt message.

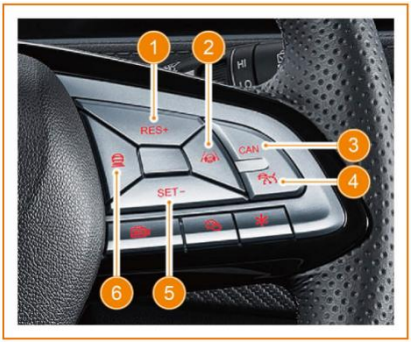
⚠ Warning

- The TJA system is not a safety system, obstacle detector or collision warning system, but a comfort system. Therefore, when the TJA system is on, the driver shall always observe the road conditions, keep monitoring the vehicle and have full responsibility for the vehicle.
- The TJA system is suitable for use on expressways and roads in good condition, but not for use on urban or mountainous roads.
- For the sake of safety, please use TJA system carefully, pay close attention to the surrounding environment and be ready to take over the vehicle at any time when driving in urban areas, on winding roads or under traffic congestion.
- Do not use the TJA system on hill roads, slippery roads (prone to hydroplaning), poor road conditions (such as slippery roads, waterlogged roads, gravel roads and roads under construction), severe weather with low visibility (foggy, rainy or snowy days, etc.), or when sensors are blocked by snow, ice, fog, dirt or dust, as there is a risk of accident.
- The TJA system can only adjust the distance from the vehicle running ahead. Generally, it cannot detect vehicles on other lanes, other sides of the vehicle (except the rear), children, pedestrians, animals or other objects and brake the vehicle.
- If an accident occurs during the use of

this function, the driver shall exit the current system in time and take over the vehicle actively.

Description of buttons

When the adaptive cruise control (ACC) and lane keeping assist (LKA) are turned on at the same time, the intelligent cruise control indicator of the combination instrument lights up to indicate that the TJA system is in the standby state. When the system detects a vehicle ahead, the TJA system is activated automatically, the indicator turns yellow, and the vehicle follows the vehicle ahead at the set speed or following distance; when the system detects a lane line, the indicator turns green, and the lane keeping assist (LKA) function is turned on automatically.



1. Resume/acceleration button
2. Lane keeping button
3. Cruise pause button
4. ACC ON/OFF button
5. Vehicle speed settings/deceleration button
6. Following distance adjustment button

Introduction to buttons

1. Resume/acceleration button

Restore the originally set cruise speed and control the vehicle at this speed.

If the cruise control function is turned on:

Press the button: Increase the set cruise speed by 1 km/h.

Press and hold the button: Increase the set cruise speed continuously at a rate of 10 km/h.

2. Lane keeping button

When the ACC is not turned on, press this button to activate the LKA; when the ACC is turned on, press this button to activate TJA. In addition to the ACC, the vehicle also has the LKA. Press this button again to switch back to the ACC system.

3. Cruise pause button

Press the button to pause the cruise control function.

4. ACC ON/OFF button

When the LKA is not turned on, press this button to activate the ACC; when the LKA is turned on, press this button to activate the TJA. In addition to the LKA, the vehicle also has the ACC. Press this button again to switch back to the LKA system.

5. Vehicle speed settings/deceleration button

Set the current speed as the cruise speed, and control the vehicle at this speed.

If the TJA system has been activated:

Press the button: Decrease the set cruise speed by 1 km/h.

Press and hold the button: Decrease the set cruise speed continuously at a rate of 10 km/h.

6. Following distance adjustment button

Set the following distance from the vehicle ahead. Four modes can be set: near, medium, far and ultra-far.

⚠ Warning

- If there is an oncoming vehicle in the same lane, TJA will not respond.
- The TJA system shall be temporarily turned off when the vehicle is running on a curved lane, an expressway exit or a road section under construction.
- The TJA system can assist the driver but cannot replace the driver in driving. Even if the TJA system is turned on, the driver must drive carefully, be ready to take over the vehicle at any time and obey the speed limit rules.
- Please set the cruise speed and following distance reasonably according to the current road, traffic and weather conditions. The set speed shall not be too

high to avoid accidents.

Operation method

When the TJA system is turned on, the intelligent cruise control indicator in the combination instrument lights up and the combination instrument displays the set cruise speed and TJA system state.

Turn-on conditions

1. The engine is running.
2. The D gear is engaged.
3. The four doors, tail door and engine hood are all closed.
4. Brake pedal is not depressed.
5. The vehicle speed is not less than 30 km/h.
6. The ESP system has no fault.
7. The parking brake is not applied.
8. The transmission is free of fault.
9. The engine is free of fault.

Exit condition

1. LKA exits or cannot be activated.
2. ACC exits or cannot be activated.

Warning

- The TJA system cannot detect the objects or accessories protruding from the side, rear end or roof of the target vehicle. If the vehicle ahead is equipped with the above-mentioned special loads or special equipment, be sure to turn off the TJA system when overtaking such a vehicle. The driver shall actively apply the brake as appropriate.
- Do not turn on the TJA system when towing a trailer.
- The driver can depress the accelerator pedal at any time to increase the vehicle speed. After the accelerator pedal is released, the vehicle speed will gradually return to the original set adaptive cruise speed. However, the driver shall note that depressing the accelerator pedal unintentionally for a long time will cause TJA system to fail to turn on automatically, which may result in collision with the vehicle ahead.
- When the vehicle is stopped by TJA system, be sure to prepare for manually depressing the brake pedal.
- When the vehicle is stopped by TJA system, the driver must put the vehicle in the P gear and turn off the Start/Stop switch before leaving the vehicle.

Automatic following start and following stop

On a congested urban road section, the TJA system can control the vehicle to follow the vehicle ahead to decelerate until it stops. If the vehicle ahead departs within 3 s, the TJA system will control the vehicle to automatically follow. If the vehicle ahead stops for a long time, press the cruise resume/acceleration button or gently depress the accelerator pedal to reactivate the TJA system.

Schematic Diagram of Vehicle Following

Display Interface	Description
	If no vehicle ahead is detected, the combination instrument will not display the icon for the vehicle ahead.
	If a vehicle ahead is detected, follow the vehicle ahead when there are lane lines and keep itself in the lane.
	If a vehicle ahead is detected, follow the vehicle ahead when there are lane lines and drive according to the trajectory of the vehicle ahead.

Warning

- The following diagram is only displayed when a vehicle running in the same lane and direction is detected.
- If the schematic diagram of vehicle following is not shown, the TJA system will not respond to the vehicle ahead or apply brake.
- For the sake of safety, the set vehicle speed will be deleted after the vehicle is shut

down.

- If the combination instrument prompts "TJA system exits automatically" and the TJA system cannot be turned on again, it indicates that the vehicle has an abnormal situation during this engine operation and needs to be restarted.
- When the traction control system or ESP system is triggered, if the TJA system is controlling the vehicle speed, the TJA system will automatically shut down.

Following distance

When the following distance is set to be short, the combination instrument displays as shown in the figure above.

When the following distance is set to be medium, the combination instrument displays as shown in the figure above.

When the following distance is set to be long, the combination instrument displays as shown in the figure above.

When the following distance is set to be ultra-long, the combination instrument displays as shown in the figure above.

System state and cruise speed

Display Interface	Description
	White indicator stays on: The TJA system is turned on but not activated.
	Green indicator stays on: The TJA system is turned on and working. The currently set cruise speed is displayed. At this time, the vehicle has cruise control and lane keeping assist.

	Orange indicator stays on: The TJA system is turned on and working. The currently set cruise speed is displayed. At this time, the vehicle only has cruise control, without lane keeping assist.

Description of system takeover prompt

The combination instrument will continuously display the text prompt of "Please take over the vehicle" with alarm sound at the same time.

The combination instrument will continuously display the text prompt of "Please take over the steering wheel" with alarm sound at the same time until the user puts the hand on the steering wheel.

Note

- After the driver to take over the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to apply braking force on the vehicle.
- If the vehicle speed exceeds the set value by depressing the accelerator pedal, the driver will not receive a takeover request.

Warning

- If the combination instrument display interface is inconsistent with the actual situation observed by the driver, the driver shall take over control and drive the vehicle according to the actual situation.
- If the traction control system or ESP system is off, the TJA system will not be activated.
- When road conditions permit safe use of the TJA system, it can be turned on manually.
- After replacement of the forward-facing camera, front windshield, four-wheel alignment of vehicle and body and chassis tuning or any other operations that affect the camera position, the system needs to be recalibrated; otherwise, the system performance will be reduced or the system cannot work normally.

Prompt the driver to take over the vehicle

The driver is required to take measures by himself/herself and take over the vehicle.

As the TJA system cannot provide the maximum braking force, under certain driving conditions, its deceleration capability is not enough to keep a sufficient distance from the vehicle ahead. In these emergencies,

the TJA system will require the driver to take over the vehicle in time.

The precondition for TJA system to work is that the driver holds the steering wheel with both hands. The system will continuously monitor this. If the hands-off lasts over a certain period of time, the combination instrument will display a hands-off warning message to remind the driver to hold the steering wheel tightly. If the driver never responds, the TJA system will exit when the hands-off warning message is displayed for the second time.

Note

- After the TJA system requires the driver to take over the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to apply braking force on the vehicle.
- If the vehicle speed exceeds the set value by depressing the accelerator pedal, the driver will not receive a takeover request.
- In order not to affect the performance of the camera, the detecting part of the camera shall not be blocked by foreign matters (such as labels and additional parts).
- The camera sensor on the front windshield in front of the interior rearview mirror may be blocked by snow, ice, dust or mud. This area shall be cleaned for proper operation of the TJA system.
- The operation of the system may also be restricted in case of snow, heavy rain, heavy fog or accumulated water on the road.
- Structural tuning of the vehicle may deteriorate the TJA system.

Functional limitation

The following describes some driving conditions that may affect the camera function.

The TJA system is restricted by physical laws and the system itself during driving. In addition, the response of TJA system under certain conditions may be unexpected or delayed from the driver's perspective. Therefore, the driver shall always pay attention to it and take over the vehicle when necessary.

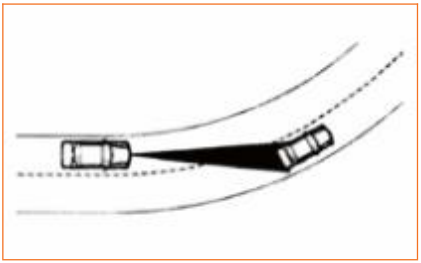
Warning

- The visibility of the camera may be reduced due to strong lighting, too dark environment, rain, snow and dirty or dust blocking the sensor. As a result, the vehicle ahead cannot be identified in time or at all. Take over the vehicle when necessary.
- In some cases (excessive relative speed, sudden deceleration, parking, quick lane change or small safety distance of the vehicle ahead), the TJA system may have no time to decelerate to avoid collision with the vehicle ahead.

Warning

The driver shall always pay full attention during driving and be ready to take measures in case of any danger.

Vehicle entering/leaving a curve

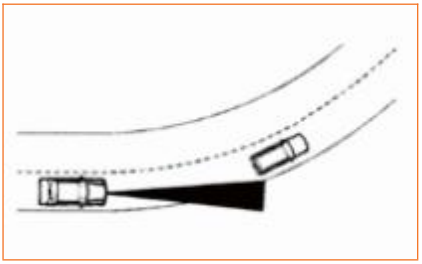


When the vehicle is entering/leaving a curve, the TJA system may respond to vehicles on adjacent lanes and apply brake. This braking process can be ended in advance by depressing the accelerator pedal.

Warning

When using the TJA system on a curve, the driver shall pay close attention to the surrounding environment and vehicle conditions, select appropriate cruise speed and cruise following distance, and be ready to take over the vehicle at any time.

Vehicle in curve

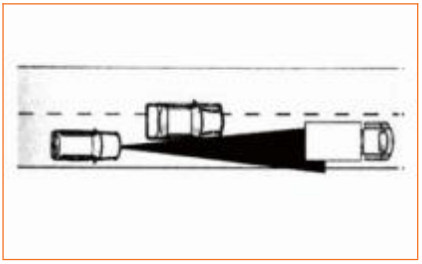


When the vehicle is in a curve, the TJA system may not be able to detect vehicles ahead on the same lane and control the vehicle accurately. Please pay close attention and be ready to take over at any time.

Note

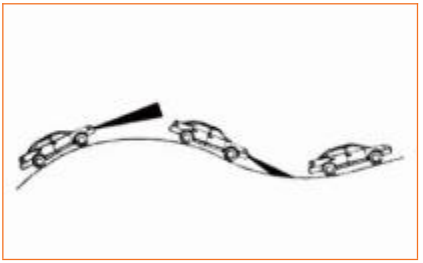
- In the case of sharp curve, the TJA system may reduce vehicle speed or control the vehicle to drive in a manner different from that on straight road.
- In a curve, the TJA system may not be able to detect the vehicle ahead and accelerate to the set speed. When this occurs, the symbol of the vehicle ahead will not be displayed on the combination instrument display screen.

Vehicle traveling not in the same straight line



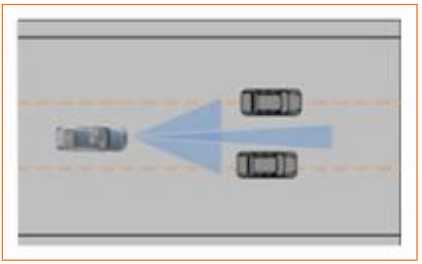
For a vehicle that is not running in the same straight line (a vehicle entering from the adjacent lane), if they do not enter the detection range of the camera sensor, the sensor may not detect that vehicle, resulting in TJA response delay. The driver shall pay close attention to the movement of vehicles in adjacent lanes and take over when necessary.

Vehicle traveling on slope



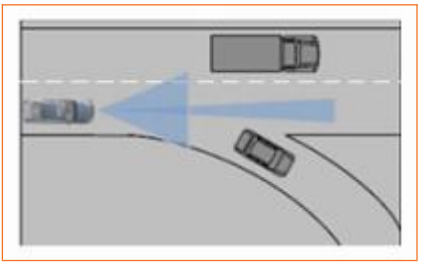
Do not use the TJA system when the vehicle is running on a bumpy slope. On a bumpy slope, the TJA system cannot detect vehicles on the same lane and will automatically turn off when the driver depresses the brake pedal frequently.

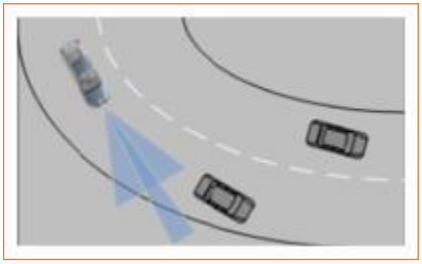
Vehicle traveling in narrow lane



The TJA system cannot accurately judge the width of the lane ahead. When feeling that it is impossible to pass through normally, the driver shall immediately depress the brake pedal to turn off the TJA system and take over the vehicle.

Vehicle traveling on the expressway ramp



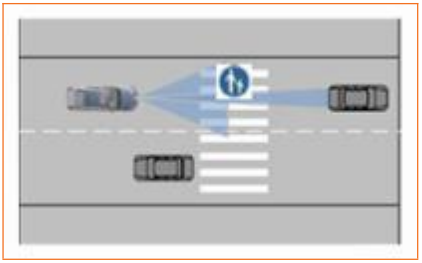


When the followed target vehicle leaves the expressway or turns, the TJA system will lose the target and may accelerate automatically.

For a vehicle traveling on an expressway ramp, the system may lose the target due to an excessive curve and will automatically accelerate.

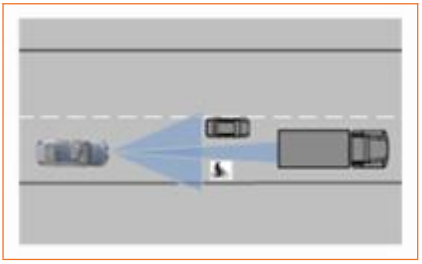
In this case, the TJA system can be turned off at any time by depressing the brake pedal or pressing the ACC ON/OFF button.

Pedestrian ahead of subject vehicle



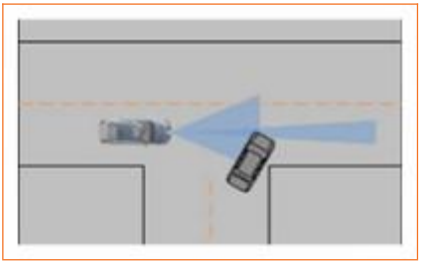
The TJA system cannot detect pedestrians. Once the driver finds that there is a pedestrian passing through in front of the vehicle, he/she must take over the vehicle.

Vehicles not easily identifiable



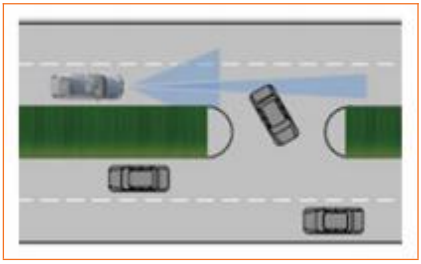
The TJA system cannot detect all types of vehicles on the driving path, especially narrow vehicles such as electric vehicles, bicycles and motorcycles, or vehicles with high chassis and loads exceeding the body. The driver shall pay close attention to the surrounding environment of the vehicle.

Vehicle cutting in laterally



When another vehicle is suddenly cutting in laterally in front of the vehicle, the TJA system may not be able to control the vehicle quickly or apply emergency braking. In this case, the driver shall pay attention to the traffic conditions ahead.

Target vehicle making a U-turn or a right-angle turn

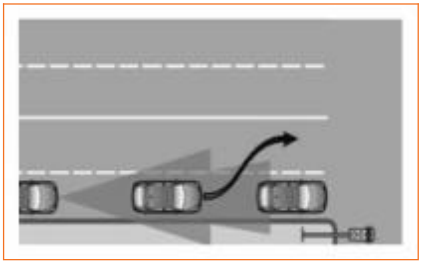


When the target vehicle followed by the subject vehicle makes a U-turn or right-angle turn, the sensor will lose the target and the system may accelerate automatically. The driver shall continuously pay attention to the surrounding environment and be ready to take over at any time.

Traffic light change at intersections

When the target vehicle followed by the subject vehicle passes through an intersection, the driver shall pay attention to the change of traffic lights and take over the vehicle when necessary to avoid violating traffic rules.

Stationary vehicles

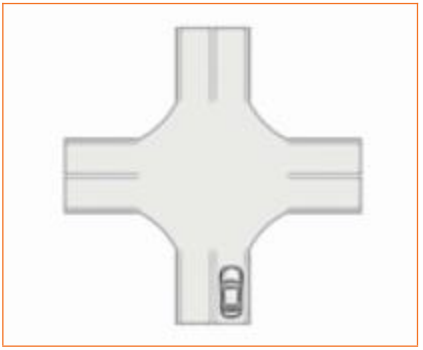


If the vehicle ahead, which is behind a stopped vehicle, suddenly changes to another lane, the system may not have enough time to brake and the driver shall take control of the vehicle if necessary.

Interference line on the road

When there is an obvious interference line on the road in front of the vehicle, the TJA system may exit due to degradation in identification quality of lane lines caused by the interference line on the road, or abnormal steering may occur due to the interference of that interference line.

No lane line at the intersection

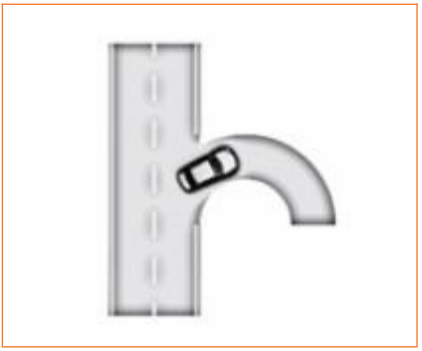


When the vehicle travels to an intersection, the TJA system may exit due to absence of the lane line ahead, or abnormal identification and steering may occur due to the influence of crosswalk and other road markings at the intersection.

Lane line convergence

When the vehicle travels to the lane line convergence position, the TJA system may exit because it identifies that the vehicle cannot pass through due to the lane line convergence ahead.

Expressway ramp



When the vehicle runs to an expressway ramp, the TJA system may exit due to a

reduced speed lower than the effective one when entering the ramp or recognition of excessive ramp curvature or unclear lane line.

Lane line blocked vehicle ahead

When there is a vehicle running close ahead of the vehicle and blocking the lane line ahead, the TJA system may exit due to unrecognized lane lines on one side.

Blurred lane line

When the lane line ahead of the vehicle is blurred, the TJA system may exit due to failure to identify clear lane lines.

Too curve or too narrow lane ahead

When the lane ahead is too wide or narrow, the TJA system may judge that the width of the lane ahead does not meet the functional conditions and exit.

Extremely bumpy or uneven road surface

When the vehicle runs on an extremely bumpy or uneven road surface, the TJA system may exit due to abnormal fluctuation of steering wheel caused by road excitation or abnormal lane identification caused by severe vehicle bumpiness.

Intelligent Headlight Control (IHC) *

The IHC system detects the headlamp beam of the vehicle running in the opposite direction or the taillight beam of the vehicle ahead through the camera sensor on the upper edge of the front windshield, and then converts the high beam into low beam. When the camera sensor cannot see the oncoming vehicle or a vehicle ahead of the subject vehicle, the high beam is reactivated. This function also takes into account ambient light factors such as street lamps.

⚠Warning

- Keep the windshield surface in front of the camera sensor clean and free from ice, snow, fog and dirt.
- Do not stick any substance on the glass in front of the camera sensor, which may reduce the effectiveness or cause the system to stop working.

Description of System Control Capability Limitation

1. The system can detect the following targets:

Opposite oncoming vehicle with complete headlamps (on).

Vehicle ahead in the same direction with complete taillights (on).

Bicycle ahead with an illuminated device.

Street lights and other ambient light sources.

2. When the lamp device of the vehicle detected is abnormal (such as a single headlamp and a single taillight), this will degrade the system performance or lead to failure in normal identification.

3. Red or orange signal lamps may be identified as vehicle taillights.

Function ON

Turn on or off the IHC system via [Settings] - [Vehicle] - [Driver Assistance] - [Intelligent High Beam Control (IHC)] of the multimedia display screen.

Description of System Use Mode

Function activation

1. The vehicle is in a dark environment with no other vehicles or street lamps.

2. The light knob or lever rotating ring is in the AUTO position.

3. The vehicle speed is above 45 km/h.

Automatic system release conditions

The vehicle speed drops below 25 km/h.

Manual system release conditions

1. The light knob or lever rotating ring is not in the AUTO position.

2. The function button switch is OFF.

3. The light switch is changed into the overtaking lamp position.

Factors affecting calibration

1. Removal and installation of interior rearview mirrors

2. Replace the front windshield.

After replacement of the forward-facing camera, front windshield, four-wheel alignment of vehicle and body and chassis tuning or any other operations that affect the camera position, the system needs to be recalibrated; otherwise, the system performance will be reduced or the system cannot work normally.

Instructions for Sensor Cleaning

The camera sensor on the upper edge of the front windshield in front of the interior rearview mirror may be blocked by ice, snow or dust. This area shall be cleaned for the adaptive high/low beam function to work normally.

Note

- Rain, ice, snow, dense fog and dirt may cause performance degradation of the IHC system.
- When the light of an oncoming vehicle ahead is blocked (such as the crash barrier), the IHC system may not work normally.
- When there are highly reflective objects near the road (such as traffic signs), the IHC system may not work normally.
- The IHC system may not work normally due to the instability of the vehicle body when the vehicle is running on a bad road section (such as slippery road, slope or pit, sharp turn, etc.).

Traffic Sign Recognition (TSR) system *

When the vehicle passes a traffic speed limit sign, the TSR system identifies the speed limit sign through the camera sensor at the upper edge of the windshield and automatically displays the speed limit sign on the combination instrument to remind the driver to drive carefully.

Warning

- Keep the windshield surface in front of the camera sensor clean and free from ice, snow, fog and dirt.
- Do not stick any substance on the windshield in front of the camera sensor, which may reduce the effectiveness or cause the system to stop working.
- The TSR system cannot replace the driver's attention and judgment. The driver is always responsible for ensuring that the vehicle runs safely at an appropriate speed in accordance with current traffic laws and regulations.

Warning

- TSR is a driver assistance function, which aims to improve the driving convenience and safety of vehicles. It cannot cope with all traffic and weather conditions.

Description of System Detection Capability Limitation

1. The TSR system can detect standard signboards or LED speed limit signs and speed limit release signs within 5~120 m in front of the vehicle.

2. Embedded traffic signs and traffic signs with auxiliary signs cannot be accurately identified.

Constraints of Traffic Environment on System Safety

1. The system may fail to recognize traffic signs on curved or hilly roads, or when the sensor is blocked by snow, ice or dust.

2. When the visibility is poor, such as in foggy, rainy or snowy days, the identification performance will be limited.

3. When strong light (oncoming headlamp light or direct sunlight) obstructs the camera's field of view, the system may fail to recognize traffic signs.

4. When the speed limit sign is blocked by an object, the system may not be able to recognize the traffic sign.

5. When the traffic sign does not conform to the standard approved format, the system may fail to recognize the traffic sign.

Function ON

Turn on or off the TSR system via [Settings] - [Vehicle] - [Driver Assistance] - [Traffic Sign Recognition (TSR)] of the multimedia display screen.

Description of Combined Display Interface

Switch the combination instrument to the driver assistance page

1. When the vehicle passes a speed limit sign, a speed circle will be displayed on the combination instrument.

2. When the current vehicle speed exceeds the speed limit on the speed limit sign, the speed circle on the combination instrument will flash for prompt.

3. The speed limit alarm will disappear after 10 s or when the vehicle decelerates below the speed limit.

Description of conditions for system to clear the current speed limit

1. When the vehicle travels for a certain distance, the speed limit alarm will be cleared.

2. When the vehicle detects a speed limit end sign, the current speed limit will be cleared regardless of the speed.

3. When the vehicle turns on the turn signal for steering, the system will clear the speed limit.

4. When the vehicle turns around at a low speed, the system will clear the speed limit.

Description of factors affecting calibration

1. Removal and installation of interior rearview mirror

2. Replacement of front windshield

Note

After replacement of the forward-facing camera, front windshield or four-wheel alignment and body and chassis tuning, the system shall be recalibrated; otherwise, it cannot work normally.

Instructions for Sensor Cleaning

1. The camera sensor on the front windshield in front of the interior rearview mirror may be blocked by snow, ice, dust or mud. This area shall be cleaned for proper operation of the LDW system.

2. The operation of the system may also be restricted in case of snow, heavy rain or accumulated water on the road.

Warning

Under certain traffic road conditions, the TSR system cannot respond well, resulting in misrecognition or missed recognition of signs. Therefore, the driver shall pay special attention to such special driving cycles, including but not limited to the following scenarios: The system does not guarantee to recognize embedded signs.

Side-rear driver assistance *

The side-rear assist system can detect rear vehicles or vehicles in adjacent lanes via sensors on both sides of the rear bumper. If there is a collision risk, the system will give an alarm to remind the driver to drive safely.

The main functions of the side-rear assist system include:

1. SVA.
2. LCA.
3. DOW.
4. RCTA.

Side View Assist (SVA)

The SVA system monitors the conditions around the vehicle through 6 sensors at the front and rear of the vehicle.

If the SVA system is normal, the SVA warning light on the rearview mirror housing will light up for 1 s. If the system is abnormal, the combination instrument will display the text prompt of "SVA System Fault", and the SVA warning light will flash for 6 s and then go out.

⚠ Warning

Please do not affix any objects on the warning lights to avoid affecting the system's alarm function.

Function activation and deactivation

The user can turn on or off the SVA system through the SVA switch on the multimedia display screen.

When the SVA system is activated, the speed range shall be about 30 km/h~120 km/h, and the steering angle shall change within ±100°. The system will not send a warning alarm to the driver beyond this speed or steering angle range.

SVA alarm

If a vehicle is detected in the blind spot, the SVA warning light on the rearview mirror housing will light up.

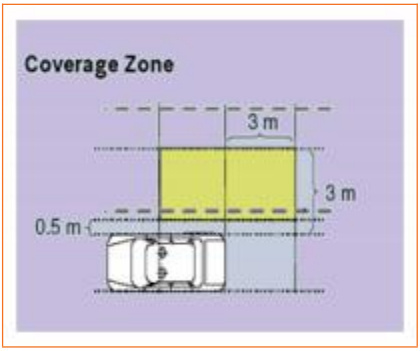
Alarms at two levels

Level 1 alarm: It will give out visual warning when a target vehicle is detected in the bind spot.

Level II alarm: If the turn signal is turned on and there is a vehicle in the blind spot, the alarm lamp will start to flash at a frequency of 5 Hz, and the combination instrument will sound an alarm.

Alarm level	Working Status of SVA Warning Light
No alarm	LED off
Level I alarm	LED light on
Level II alarm	LED flashing at 5 Hz

SVA detection range



The SVA system can detect an area of about 3 m×3 m on the left and right sides behind the vehicle.

Warning

- The SVA system is only used as a warning assistance for vehicles in the 3 m×3 m area on both sides behind the vehicle during lane change, and cannot replace the driver's observation of the surrounding environment.
- Due to the physical limits of the ultrasonic probe system and its blind spots, do not rely on it as a basis for lane changing safety.

Note

The following factors can also cause the SVA system to fail to detect or detect poorly:

- Noise value and wet road surface.
- The wetness of the road surface changes.
- The ambient noise values are different between the left and right sides of the vehicle.
- The relative speed between the vehicle and a vehicle in the adjacent lane is high.
- The vehicle accelerates and decelerates rapidly.
- Noise is generated when the air flow passes through the edges and corners of vehicle body or the funnel-shaped bracket of the sensor.
- When the air pressure on the sensor surface increases, its wave transmitting and receiving characteristics will decrease.
- Waterlogged road.
- Poor road conditions, sandy and dusty roads, and grassy roads.
- Motorcycle.
- Interference from other ultrasonic noise sources (e.g. other vehicles with the ultrasonic system on) exists.

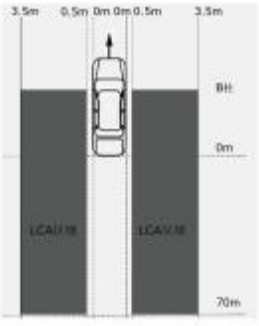
Lane change assist (LCA) system

LCA system includes SVA and lane change assist, capable of detecting vehicles approaching from the rear-side and providing advance warning information to prevent collisions.

Function ON

The LCA state is the last operation state by default. Tap the [Settings] - [Vehicle] - [Driver Assistance] - [LCA] switch on the display screen to turn on or off the LCA system.

LCA range



The alarm area of the LCA system is 0.5 m to 3.5m laterally from the left and right sides of the vehicle, and longitudinally from B-pillar to 70 m behind the rear of the vehicle, as shown in the figure. The shaded area is the warning area, which is bilaterally symmetrical.

Function triggering

Level 1 alarm:

When the target approaches the vehicle, the level I alarm is triggered and the LCA indicator stays on.

Level 2 alarm:

When the target approaches the vehicle, level II alarm will be triggered when the turn signal on the same side is turned on, and the LCA indicator flashes with sound prompt.

System interruption

The system will exit if any of the following conditions are met:

1. Select [Close] for the LCA system.
2. The Start/Stop switch is in OFF state.
3. The D gear is not engaged, and the vehicle speed is less than 15 km/h.

Note

- In case of sharp turn, the LCA system does not work.
- The LCA system does not work during reversing.
- The LCA system is a driver assistance function and does not work in all cases.
- The LCA system cannot replace safe driving and the use of interior and exterior rearview mirrors.

Conditions in which the system may not work

There are a variety of reasons that may lead to unnecessary, untimely and invalid warnings or missed warnings from the LCA system, such as:

1. The radar is limited.
2. There are large moving metal objects in the blind spot.

The above warnings and restrictions do not describe all situations that may interfere with the LCA system. Many factors may cause malfunction of the LCA system. To avoid collision, the driver shall keep vigilant and pay attention to road conditions at all times during driving so as to change lanes under safe conditions.

DOW system

When the vehicle is stationary, the DOW system can detect vehicles, cyclists or pedestrians approaching from the rear. When a target is detected approaching, and the driver or passenger opens the door, the DOW system will release warning information to prevent collision.

Function ON

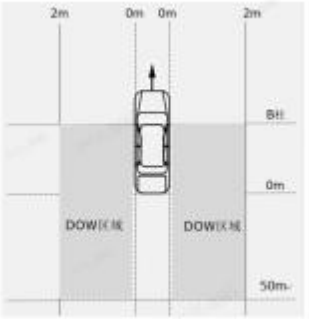
The DOW switch status is the last operation status by default. Tap [Settings] - [Vehicle] - [Driver Assistance] - [DOW] switch on the display screen to turn it on or off.

Note

The DOW system can work normally only under the following conditions:

- Turn the Start/Stop switch to "ON" position.
- Within 3 minutes after the Start/Stop switch is switched from "ON" to "OFF".

DOW range



The alarm area of the DOW system is 0 m to 2m laterally from the left and right sides of the vehicle, and longitudinally from B-pillar to 50 m behind the rear of the vehicle, as shown in the figure. The shaded area is the warning area, which is bilaterally symmetrical.

Function triggering

Level 1 alarm:

When the target approaches the stationary vehicle, the level I alarm is triggered and the alarm indicator stays on.

Level 2 alarm:

When the target approaches the stationary vehicle, if the driver or passenger opens the door, the warning light flashes with sound prompt.

Note

- The DOW system is only effective when the vehicle is stationary and does not work when the vehicle is moving.

- Even if the subject vehicle is stationary, the DOW system cannot work in all cases and cannot replace visual observation by the driver and passengers, as well as the function of interior and exterior rearview mirrors. Please do not rely too much on the DOW system.
- The DOW system is designed to remind the driver and passengers to pay attention to the environmental safety when opening doors. Limited by the performance of sensors and the complexity of traffic environment, it may give unnecessary or no alarm. Actively observing the door-opening environment before getting off the vehicle is the most effective measure and responsibility for the driver and passengers to ensure personal safety.

Conditions in which the system may not work

The DOW system is not always able to work under various circumstances. Various reasons may lead to unnecessary, untimely and invalid warnings or missed warnings, such as:

1. The radar is limited.
2. Smaller targets or stationary targets.
3. The target speed is too fast, or there is steering behavior. For example, when a target vehicle changes lanes to the direct rear behind this vehicle, or when other vehicles suddenly change lanes and appears in the detection zone directly behind this vehicle.
4. Other vehicles and cyclists directly behind the vehicle.
5. The vehicle stays at a turning or beside a wall.

The above warnings and restrictions do not address all situations that may interfere with the door opening warning. There are many factors can lead to the failure of door opening warning. In order to avoid the risk of scratching when opening the door, please remember to observe whether the door opening environment is safe and suitable.

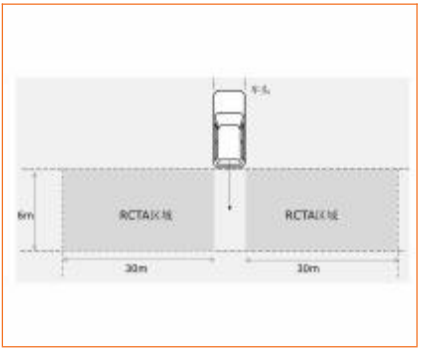
Rear cross traffic alarm (RCTA) system

The RCTA system can detect vehicles, cyclists or pedestrians crossing the rear of the subject vehicle. When the vehicle is reversing, the system detects that there is a target approaching and the vehicle has a collision risk, and the RCTA system will release warning information to prevent collision.

Function ON

The RCTA switch status is the last operation status by default. Tap [Settings] - [Vehicle] - [Driver Assistance] - [RCTA] switch on the display screen to turn it on or off.

RCTA range



The RCTA system alarm area is 0 m to 30 m laterally from the left and right sides of the vehicle, and longitudinally from the rear of the vehicle to 6 m behind the rear of the vehicle, as shown in the figure. The shaded area is the warning area, which is bilaterally symmetrical.

Function triggering

When a target approaches the rear of the vehicle during reversing, the warning light will flash, accompanied by audible prompt and parking assist interface display.

Note

- The RCTA system is an driver assistance function and does not work in all situations.
- The RCTA system cannot replace safe driving and the use of interior and exterior rearview mirrors.
- Using the RCTA system does not mean the driver can do nothing and relax. It is always the responsibility of the driver to reverse in a safe manner.

There are a variety of reasons that may lead to unnecessary, untimely or invalid warnings and missed warnings from the RCTA system, such as:

1. The radar is limited.
2. The speed of the detected object is too fast.
3. There are large moving metal objects in the blind spot.

The above warnings and restrictions do not address all situations that may interfere with RCTA system.

Many factors may cause the malfunction of RCTA system. To avoid collision, the driver shall keep vigilant and pay attention to road conditions at all times during driving so as to reverse safely.

Regular maintenance

Daily checking items

Items	Inspection contents
Engine oil level	Check the oil level each time when refueling.
Engine coolant level	Check the coolant level each time when refueling.
Brake pedal	Check whether the brake pedal can be operated freely before driving each time.
Horn	Check whether the horn is normal before driving each time.
Door	Check whether the trunk lid and all other doors (including rear-row doors) can be opened/closed freely and locked firmly.
A/C system	Check the operation of A/C every week.
Windshield washer fluid	Check the remaining amount of washer fluid once a month.
Windshield wiper	Check the wiper once a month.
Brake	Check the fluid level once a month.
Tire	Check the tire pressure once a month. Check the condition of wear and any embedded objects on the tire surface.
Battery	Check the battery condition and terminal corrosion once a month.
Windshield defroster	Check the air outlet of defroster each time when using the heater and A/C.
Lights	Check the condition of headlights, clearance lights, tail lights, high-mounted brake lights, and license plate lights once a month.

Cleaning and maintenance

Exterior Maintenance

Regular and professional maintenance can keep the vehicle in good condition. The following section describes how to keep the exterior of the vehicle clean, including painting, polishing and wheels, as well as measures for corrosion protection.

Vehicle washing

Frequent washing helps to preserve the appearance of vehicle. Dust and sand grains can scratch the paint surface while leaves and bird droppings can permanently damage the smoothness of the vehicle's body surface. It is recommended to clean the vehicle body in a cool place.

Only solvents and cleaning agents recommended in the User and Warranty Manual can be used. As drying the vehicle, check it for chips or scratches. If any, repair it with refinishing paint.

Note

- Using chemical solvents and strong cleaning agents when cleaning the vehicle will damage the paint, metal and plastic components of the vehicle body. It is recommended to wash the vehicle thoroughly with clean water to remove floating dust.
- Check the vehicle body for asphalt, leaves and other dirt. Use asphalt scavenger or turpentine to remove such dirt, and rinse it with clean water immediately to prevent from damaging the smoothness of the vehicle's body surface.
- After cleaning the entire body surface, dry it with a soft towel. Natural drying in the air will cause loss of luster or formation of water stains on the exterior of the vehicle body.

Waxing

Vehicle waxing is helpful to prevent adhesion of dust and chemicals on the road. After cleaning and drying the vehicle, waxing can be performed. It is recommended to wax the vehicle every three months to protect the vehicle body. Please use high quality liquid wax or paste wax. When using, follow the instructions on the packaging.

There are generally two types of products:

Body wax

Body wax is a kind of wax applied on the paint surface to protect it from sunlight, air pollution and other damages. It is recommended to wax the vehicle body after the new vehicle is used for about half a year.

Polishing wax

Polishing wax can repair the paint surface that has been oxidized or lost its gloss, making it glossy again. Such waxes generally contain mild abradant and solvent to remove the oxidized paint surface. If the painted surface fails to return to its original luster after the vehicle body is waxed, polishing wax shall be used.

Note

When the cleaning agent is used to remove pollutants like asphalt and insect, dewaxing may occur. Therefore, it is necessary to replenish wax at the dewaxing position.

Refinishing

When small cracks and scratches appear on the paint coating, it is recommended to promptly use special refinishing film or repair paint for patching to prevent corrosion.

Aluminum alloy wheel

When cleaning the exterior of the vehicle body, the aluminum alloy wheels of the vehicle shall be cleaned at the same time. After cleaning, rinse the aluminum alloy wheel thoroughly with water.

Front compartment gutter channel

The front compartment gutter channel is located in front of the front windshield and below the wiper cover. It is a very important water passage structure in front of the vehicle.

Check the drainage condition of the front compartment gutter channel every 5000 km, and try to ensure that the wiper cover is clean and tidy, so as to avoid damage to relevant electrical equipment caused by drain hole blockage or water accumulation in the gutter channel. If blockage and water accumulation are detected, please contact the authorized service station of Dongfeng Forthing in time.

Vehicle sealing strip

The sealing strip is a rubber sealing component installed on the door or vehicle body. It is one of the components that ensure the waterproof sealing of the door and belongs to other components.

During the use of the vehicle, the surface of the sealing strip shall be cleaned in time to avoid excessive wear caused by sand grains or hard particles on the surface of the sealing strip. If the sealing strip surface is found to be worn or damaged, please contact the authorized service station of Dongfeng Forthing in time.

Interior Maintenance

Carpet

The dust on the carpet should often be cleaned by a vacuum cleaner. Excessive dust accumulation will accelerate the damage of the carpet. Regularly washing with detergent can keep the carpet as clean as new.

Fabric

Frequently use a dust collector to collect dust and dirt from the fabric. It can be washed with a low-temperature neutral soapy water and then dried in the air.

Vinylon

Use a dust collector to remove the dust and pollutants. Scrub the vinylon with a soft cloth soaked in neutral soapy water to remove stains that are difficult to remove or use a spray or foam type vinylon cleaner.

Leather

Frequently use a dust collector to remove the dust and pollutants, especially those at the folds and joints. Clean the leather with a soft cloth dampened with water, and then dry it with another soft dry cloth. If further cleaning is required, special soap for leather can be used.

Window

Use the glass detergent to clean both interior and exterior sides of the windows. Dry all glass and plastic surfaces with a soft cloth or tissue.

Seat belt

If the seat belts are dirty, use a soft brush with neutral warm soapy water to wipe the seat belts clean. Do not use bleaching

powder, dye or cleaning solvent because such things will reduce the durability of the seat belt. Do not use the seat belt before it becomes dry.

Excessive accumulation of dust at the seat belt buckle outlet may cause a delay in the retraction of the seat belt. To address this, you can use a clean, soft cloth dipped in a neutral warm soapy water or isopropyl alcohol to wipe the inner side of the buckle. It is not recommended to disassemble the seat belt for cleaning. If the seat belt must be disassembled before cleaning, please contact the authorized service station of Dongfeng Forthing.

Air freshener

If you need to use air freshener or deodorant inside the vehicle, you had better choose the solid type. The chemical composition contained in some liquid air fresheners will cause fiber breakage or fading of the interior trim and fabric.

If using liquid air freshener, ensure it is securely fastened to prevent splashing while driving.

Anti-corrosion

Salt, dirt and moisture can easily accumulate under the vehicle. Scraping off the vehicle paint or wearing off by stones and sand grains will cause the metal to lose its protection and be exposed, thus causing the vehicle to rust. Common measures to prevent rusting include:

1. Keep the vehicle clean.
2. Keep the garage dry.
3. Keep paint and decorations in good condition.
4. Keep regular interior maintenance, etc.

Self-maintenance

After driving each time, idle the engine for 1-3 minutes before shutting down, so that the engine can be fully cooled and the service life of the engine can be prolonged. After the engine is started for the first time, it will automatically warm up to lubricate the running components of the engine. After the water temperature becomes appropriate, the engine speed can be changed according to the driving requirements. During driving, it is recommended to maintain a gentle driving habit.

Engine compartment

Open the engine hood

1. Pull the engine hood opening handle under the left instrument panel, and the engine hood will pop up slightly.

2. Move the safety lock lever in front of the engine hood leftward with fingers, and lift up the engine hood.

Closing the engine hood

For models without engine hood pneumatic rod, hold the engine hood with hand to a height of about 30 cm from the closing position, and then release it until it falls freely to close the engine hood. For models equipped with engine hood pneumatic rod, pull down the engine hood to a height of about 30 cm from the closing position, then push it down to close and confirm that the engine hood is locked in place.

Layout of the engine compartment

The picture is for reference only, and the actual vehicle shall prevail.

Basic model

1. Access cover in engine compartment
2. Engine trim cover
3. Brake fluid reservoir
4. Battery
5. Engine air filter
6. Engine compartment fuse box

New model

1. Coolant reservoir
2. Air filter
3. Brake fluid reservoir
4. Battery
5. Engine compartment fuse box
6. Engine
7. Oil dipstick
8. Oil filler cap
9. Washer fluid reservoir

Engine oil

Oil plays an important role in the operation and service life of engine. To meet China VI emission regulations, especially for engines with turbocharged direct injection, special engine lubricating oil with low ash content and low-speed preignition inhibition shall be selected. If the oil is improperly selected or its performance cannot meet the corresponding technical requirements, it will cause different degrees of damage to the engine and reduce the service life of the exhaust after-treatment system.

Please select the engine oil suitable for your vehicle.

Model	Oil grade	Filling amount
4A95TD	SN and above 5W-30	Fill 3.5±0.2 L for maintenance
DFMC15TP1	SP 0W-20/ SN PLUS 0W-20	Fill 4 L for maintenance

This vehicle does not require any oil additives. Additives cannot improve the performance of the engine.

Note

Dongfeng Liuzhou Motor Co., Ltd. will not bear any responsibility for the adverse consequences of the engine caused by the use of additives.

Technical requirements for lubricating oil of China VI vehicles equipped with GPF (gasoline particulate filter)

The main function of GPF is to filter the particulate matter in the tail gas, so as to reduce the concentration and quantity of particulate matter in the tail gas.

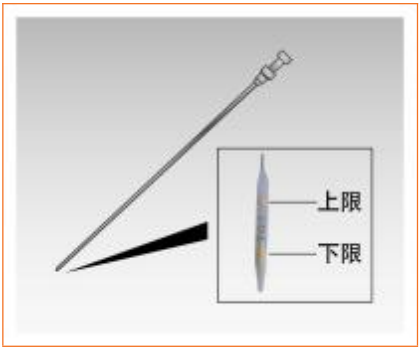
With the increase of service time, more and more particulate matters will be collected by GPF. When they accumulate to a certain extent, the GPF will be blocked, resulting in poor exhaust and affecting engine power.

In the process of engine lubrication, some lubricating oil will enter the combustion chamber for combustion and enter the emission treatment devices such as three-way catalytic converter and GPF along with the engine exhaust system. As the ash formed after combustion of lubricating oil is a metal salt substance that cannot be removed by regeneration, it gradually accumulates in the GPF, thus causing GPF blockage.

The formation of ash is closely related to the lubricant additives. In order to reduce ash, low ash content and high-grade engine oil shall be used. The "Unified Petrochemical Low Ash SP5W-30(LA)" engine oil specially used by Dongfeng Forthing Petrochemical Co., Ltd. has low ash content, which can effectively reduce GPF blockage, ensure the normal and effective operation of the engine, and thus reduce the maintenance cost.

Engine oil level

Engine oil is a consumable to ensure the normal operation of engine, and its level shall be checked regularly. For example, check the engine oil level before each long-distance trip. Park the vehicle on a flat road surface to warm up the engine. Shut down the engine, wait for about 5 minutes, and then check the engine oil level. Remove the engine trim cover before inspection.



1. Take out the engine oil dipstick.
2. Wipe clean the engine oil dipstick with a piece of clean cloth or paper.
3. Insert the engine oil dipstick fully back into the pipe sleeve.
4. Take out the oil dipstick again and check the engine oil level. The engine oil

level must be between the upper and lower limit notch marks.

Warning

Check the engine oil level frequently. Insufficient engine oil will damage the engine, while such damage is not covered by the warranty.

Engine oil filling

Basic model

New model

1. Unscrew the engine oil filler cap and add oil.

2. Install the engine oil filler cap and tighten it. Preheat the engine and then shut it down. After about 5 minutes, check the engine oil level on the oil dipstick again.

Warning

Add the engine oil slowly to prevent it from overflowing. If oil overflows, clean it immediately to avoid damaging the engine. Add engine oil as required until the level is close to the upper limit, so as not to damage the engine.

Coolant

Inspection of the coolant

Check whether the coolant level is between the upper limit (MAX) and lower limit (MIN) marks. If it is below the lower limit mark, add coolant to the coolant reservoir until the upper limit mark.

Filling of the coolant

Open the coolant reservoir cap to add coolant, and tighten it after adding. Coolants of different brands shall not be mixed; otherwise, chemical reactions may easily occur and affect the service life of engine. Please use the four-season antifreeze coolant designated by Dongfeng Forthing. Please do not replace antifreeze coolant with antifreeze and water.

Warning

When the engine is not completely cooled, opening the coolant expansion tank cover may cause the coolant to eject, resulting in serious scald. Before opening the coolant reservoir cap, make sure that both the engine and radiator have cooled down.

Brake fluid

Inspection of brake fluid

Check the fluid level in the fluid reservoir once a month. Check whether the brake fluid level is between the upper limit (MAX) and lower limit (MIN) marks. If the fluid level is at or below the lower limit (MIN) mark, check whether the brake system leaks and whether the brake pads are seriously worn.

Replacement of brake fluid

Brake fluid can absorb moisture in the air. Excessive water content will cause corrosion damage to the brake system, and the boiling point of brake fluid will also drop significantly. Replace brake fluid in time as required by the regular maintenance schedule. Please contact an authorized service station of Dongfeng Forthing for brake fluid replacement.

Warning

- Be sure to use the brake fluid designated by Dongfeng Forthing or DOT4 products of the same grade packaged in closed containers approved by Dongfeng Forthing. Do not mix different brake fluids.
- Do not mix the brake fluid with liquids containing mineral oil (engine oil, gasoline, etc.), because mineral oil will damage the seals and sealing plugs of the braking device.
- The brake fluid is toxic and should be kept out of the reach of children. Once swallowed by mistake, go to the hospital immediately for examination.
- The brake fluid is corrosive and shall not be allowed to contact with paint. Once it overflows onto the paint, wash it off with plenty of water.

Warning

- Brake fluid will damage the skin. If coolant splashes on the skin or eyes accidentally, wash with plenty of water. If you feel uncomfortable, go to hospital immediately.

Maintenance and technical requirements of brake fluid

The brake fluid shall be replaced every 2 years or 40,000 km, whichever comes first.

The technical requirements for brake fluid shall comply with relevant provisions of GB12981.

Glass Washer Fluid

Check whether there is enough washer fluid in the washer fluid reservoir.

If no water is sprayed by using the wiper spraying function, it indicates that the glass washer fluid is insufficient and can be added appropriately.

Note

- High-quality glass washer fluid can improve the decontamination ability and prevent freezing in cold weather.
- Antifreeze will damage the paint sprayed on the surface of the vehicle, and vinegar solution will damage the coolant pump of the front windshield washer. It is recommended to use the glass washer fluid specified by Dongfeng Forthing.
- If ethanol based detergent is used, the ethanol content of the detergent should not exceed 24%.

A/C System

Maintenance of A/C system

The vehicle A/C system is a closed system. It is recommended to contact an authorized service station of Dongfeng Forthing for any important maintenance work (such as refrigerant recharging). You can carry out the following operations to ensure work efficiency of the A/C system.

Check the engine radiator and A/C condenser regularly to remove leaves, insects and dust accumulated on their front surfaces. These deposits will obstruct air flow, thus reducing the refrigeration effect.

Note

- The condenser and radiator blades are easily deformed. You can only use low-pressure water or a soft brush to clean them.
- In cold weather, the A/C shall be turned on at least once a week for at least 5 minutes each time under the condition that the vehicle runs at a constant speed and the engine temperature is normal, so as to circulate the lubricating oil contained in the refrigerant.
- If the refrigeration effect of the A/C system decreases, please contact an authorized service station of Dongfeng Forthing.
- For maintenance of the A/C system, a professional refrigerant recirculation system is required, which can recover and reuse the refrigerant, as releasing the refrigerant into the atmosphere will pollute the environment. If the A/C system needs to be overhauled, it is recommended to contact an authorized service station of Dongfeng Forthing.

A/C filter

The A/C filter can remove pollen and dust brought in by the A/C system from the outside.

The filter must be replaced at a regular maintenance interval of 20,000 km.

Replacement of A/C filter

The A/C filter is located in the A/C unit below the front passenger storage box.

1. Open the front passenger storage box.
2. Squeeze the upper and lower sides of the dust and pollen filter to separate it from the tabs on both sides, and remove the filter.
3. Insert a new dust and pollen filter.
4. Close the front passenger storage box.

Air filter

Basic model

New model

Replace the air filter element according to the time and mileage specified in the regular maintenance table. If the air filter is installed improperly, it is easy for airborne dust to enter and cause abnormal wear of the cylinder block. If the filter element needs to be replaced, please contact an authorized service station of Dongfeng Forthing.

Fuel filter

Replace the fuel filter according to the time and mileage specified in the regular maintenance table. It is recommended to replace the fuel filter every 3 years or 60,000 km or when you find that the fuel is contaminated. When the vehicle runs in a

dusty area, the filter is blocked more easily. Please shorten the replacement interval appropriately. If you need to replace the fuel filter, please contact the authorized service station of Dongfeng Forthing.

Dust filter of the oil filling pipe

Check it once every year or 20,000 km. If the dust filter is blocked, adjust or replace it if necessary. When the vehicle runs in a dusty area, the dust filter can get blocked more easily. Please shorten the replacement interval appropriately. If you need to replace the dust filter of the oil filling pipe, please contact the authorized service station of Dongfeng Forthing.

Battery

Basic model

New model

The vehicle is equipped with maintenance-free battery. The battery is located on the left side of the engine compartment, which mainly provides electric energy for vehicle starting. If the battery is seriously depleted, the vehicle will fail to start.

Usage and precaution

Do not use electrical appliances such as light, audio and wiper for a long time after shutting down the engine.

If the vehicle needs to be parked for more than five days, it is recommended to unplug the battery negative terminal to prevent on-board electrical appliances from consuming battery power.

Check the battery once a month. Check its terminals for corrosion degree (white or faint yellow powder). In case of corrosion, please contact the authorized service station of Dongfeng Forthing.

Emergency treatment for contacting electrolyte

Battery electrolyte is highly corrosive and toxic. In case of accidental contact, please handle it as follows:

Eye contact: Rinse with water in a cup or other container for at least 15 minutes, and seek medical advice immediately.

Skin contact: Take off contaminated clothes, wash skin with plenty of water, and seek medical advice immediately.

Drink electrolyte by mistake: Drink water or milk and seek medical advice immediately.

⚠ Warning

- During the normal operation, the battery may generate explosible hydrogen. Sparks or open flames will cause the battery to explode, and its explosion energy is enough to cause serious injury.
- If it is necessary to connect the battery to other chargers, disconnect the positive and negative cables to avoid damaging the electrical equipment on the vehicle. Disconnect the negative cable first. During re-installation, it shall be connected last.

Tire

In order to drive the vehicle safely, the model and size of the tires must be suitable, and the tires must have good tread pattern and appropriate tire pressure.

Note

- Using excessively worn tires or tires with insufficient pressure may cause accidents.
- All descriptions about tire inflation and maintenance in the User and Warranty Manual must be complied with.

Tire pressure label

Tire pressure labels are attached on the vehicle. The label is located below the door frame on the driver's side, indicating the front and rear tire pressure and spare tire pressure of the vehicle.

For tire pressure, pay attention to the following points:

It is recommended to visually inspect the tires before driving each time.

Check whether the tire pressure is normal once a month.

Measure the tire pressures when the tires are cold.

The tire pressure shall be maintained as the cold-state tire pressure recommended on the tire pressure label of driver's door frame.

If tire pressure measurement is carried out in hot state (after vehicle have run for several kilometers), the pressure reading will be 30~40 kPa higher than that measured in cold state. This is a normal phenomenon. Do not deflate to meet the specified tire pressure reading in cold state; otherwise, under-inflation of tires may occur.

Tire pressure monitoring system

The tire pressure monitoring system is used to dynamically monitor the tire pressure and temperature. When the tire pressure is abnormal, the combination instrument will display corresponding alarm information (see "Tire Pressure" in Chapter III "Combination Instrument" for details). Pay attention to the following matters when using the tire pressure monitoring system:

1. Keep the tire inflation pressure near the standard pressure as far as possible.

2. If the tire pressure sensor is not replaced due to tire repair, removal or other reasons and the original tire pressure sensor has not been damaged by installing or removing a tire, there is no need to re-match the tire pressure sensor.

3. When the vehicle is stationary, the tire pressure sensor will not send data to the outside. It only sends data when the vehicle is running. Therefore, the tire pressure information displayed at a standstill is that of the last time the vehicle was in operation. Therefore, after deflation or inflation of tires, if it is necessary to update the tire pressure data, drive the vehicle at a speed above 40 km/h for 1 minute, and then the tire pressure and temperature data can be updated on the combination instrument.

4. After the vehicle tires are rotated and the positions of the tire pressure sensors change, the tire pressure shall be matched again.

Tire inflation

Maintaining appropriate tire pressure can achieve the best state of maneuverability, tread life and riding comfort.

Underinflated tires go through uneven wear, which will affect maneuverability and increase fuel consumption, resulting in air leakage due to overheating.

Over-inflated tires will reduce riding comfort, and are more likely to be damaged due to uneven road surface, resulting in uneven tire wear.

Tire inspection

Every time when checking the inflation state of the tire, check whether the tire is damaged, punctured by foreign matters and worn. Specific inspections are as follows:

1. Damage or bulge of tire tread or side. If any of the conditions is found, replace the tire.

2. Scratches, cracks or fractures on the side of the tire. If the tire fabrics or cords are exposed, replace the tire.

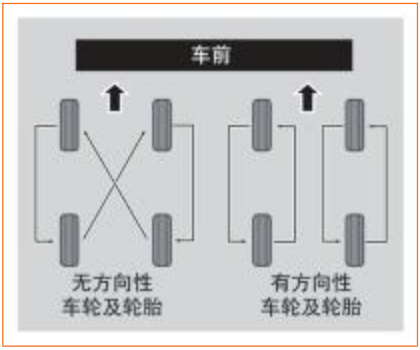
3. If the tread is excessively worn, replace the tire.

The tire must be kept in good condition, and the tread pattern on the tire surface shall be deep enough. The tire wear degree can be measured by the raised points in the tire driving belt. If the tread thickness is ≤ 1.6 mm, the tire must be replaced. Such a tire lacks adhesion when running on wet and slippery roads.

Tire maintenance

In addition to proper inflation, correct wheel alignment also helps to reduce tread wear. If you find that the tires are worn unevenly or you feel some continuous vibration during driving, please contact the authorized service station of Dongfeng Forthing.

Tire rotation



In order to prolong the service life of the tire and make the tire wear evenly, the tire shall be rotated every 10,000 km. Each time of transposition, the operation shall be carried out according to the method shown in the above figure.

Specifications of wheels and tires

Rim specifications: 18×6.5 J, 18×7 J

Tire specification: 235/60 R18, 235/55 R19

For the tire size suitable for this vehicle, please refer to the tire pressure label affixed on the driver side door frame or contact an authorized service station of Dongfeng Forthing.

Replacement of tires and wheels

Replace with radial tires having the same size, load scope, rated speed and maximum cold tire pressure (indicated on the tire wall). Mixed use of radial and diagonal tires may reduce the vehicle's braking capacity, driving force (ground adhesive force) and steering accuracy. Using tires of different sizes or structures will cause the ABS system to fail to work normally.

The ABS system works by comparing the speed of wheels. Therefore, when replacing tires, be sure to use tires with the same size as the original ones. Inconsistent tire size and structure will affect wheel speed and may lead to uncoordinated system action. It is better to replace four tires at the same time, or replace two front or rear tires in pairs. Replacement of only one tire will seriously affect the maneuverability of the vehicle.

If the wheel needs to be replaced, make sure that the specification of the new wheel

is consistent with that of the original wheel. Before replacing the wheel, please contact the authorized service station of Dongfeng Forthing.

Winter tire

It is recommended to use winter tires on icy and snowy roads due to the limited applicability of summer tires in winter. When installing winter tires, four wheels shall be installed at the same time to ensure safe driving. Only tires of the same brand and shape can be used. When purchasing, pay attention to the tire size, load capacity and speed grade. Install the winter tires according to the marks on the registration card.

If you choose winter tires with a lower rated speed, do not exceed the rated speed of the tire when driving.

Tire chain

Tire chains can only be used in emergencies or when the vehicle is driven in specific areas expressly stipulated by law. Tire chains shall be installed on the driving wheels, preferably all four wheels.

After tire chains are installed, the vehicle has poor maneuverability. Drive at a low speed and avoid full load. Select tire chains that match with tires. Please read the component assembly drawing and other instructions of the tire chain manufacturer carefully.

Emission control

Exhaust emission system

The exhaust emission control system is a high-efficiency system, which can control the exhaust emission while maintaining good vehicle performance.

The modification of the vehicle's exhaust emission control system in any form is prohibited, otherwise it may affect vehicle maneuverability, safety, and stability, and may even violate the regulations on Safety and Exhaust Emission.

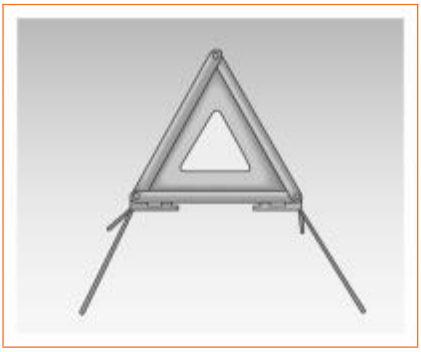
In addition, any vehicle damage or performance failure caused by refitting the exhaust emission control system is not covered by the warranty.

Hazard warning device

Hazard Warning Light

Press the hazard warning switch above the A/C control panel to turn on the hazard warning light. At this time, all turn signals outside the vehicle and the turn signal and hazard warning indicators on the combination instrument will flash to remind pedestrians and passing vehicles that the vehicle is in an abnormal state.

Warning triangle



If an accident happens when the vehicle is running, keep to the right as far as possible, take out the warning triangle from the trunk, turn the reflector back to the vehicle and place it at the position of 100~200 meters directly behind the vehicle to remind the oncoming traffic.

On-board tools and reflective vests

1. Warning triangle
2. Jack
3. Wheel nut wrench
4. Towing hook
5. Wheel nut cover clamp
6. Reflective vest

The on-board tools are stored in the clamping foam right above the spare tire. The reflective vest is placed in the front passenger storage box.

Tire replacement

Preparation before Replacement

Park the vehicle in a place where the traffic flow is little and it is convenient to replace the wheel safety. Before replacing the tire, turn on the hazard warning light and place a warning triangle at an appropriate distance to avoid traffic accidents.

The on-board tools are located in the clamping foam at the lower layer of the trunk. Take out the tools from the clamping foam.

Replacement of spare tire

Taking out the spare tire

Unscrew the center bolt fixing the spare tire, and take out the spare tire from the spare tire groove.

Jack the vehicle

Before jacking the vehicle, place a chock in front of and behind the wheel diagonal to the tire to be replaced, and then use a wrench to unscrew the wheel nut to be replaced by half a turn.

Place the jack at the fulcrum beside the wheel to be replaced, and then lift the vehicle.

Note

Do not jack the jack at any position other than the specified position. If the jacking position is incorrect, the vehicle body may be sunken or accidents may occur when the vehicle body falls.

Replacement of spare tire

Take out the wheel nut cap clip from the clamping foam, and take out the nut trim cover with the wheel nut cap clip.

Remove the wheel nuts with a wheel nut wrench, and then remove the tire. Clean the sludge on the hub surface, and then install the spare tire. Tighten the wheel nuts in a crossed sequence as shown in the figure until the wheel is tightly close to the brake hub. Lower the vehicle to the ground and take out the jack. Tighten the wheel nuts in the same cross manner. Then install the nut trim cover with wheel nut cap clip. The specified torque shall be used when tightening the wheel nuts.

Fix the removed tire

Fix the replaced tire at the position where the original spare tire is located.

Note

- Frequently check the spare tire pressure to keep the pressure within the specified range for emergency use at any time. If the spare tire has not been used for many years, please contact the authorized service station of Dongfeng Forthing to make sure whether your spare tire can still be used safely.
- The spare tire can only be used for emergency and is not allowed to be used for a long time.
- The spare tire is not allowed to be installed on the steering wheel (i.e. front wheel). If the steering wheel needs to be replaced, the spare tire shall be replaced on the rear wheel first, and then the replaced wheel shall be installed on the steering wheel.

Replacement of bulb

Replacement of bulb usually requires the removal of certain vehicle components, so professional skills are required for relevant operations, otherwise the light cover may be damaged. If replacement is required, please contact the authorized service station of Dongfeng Forthing.

Bulb specifications

Name	Configuration		
	Luxury model	Exclusive model	Noble model and Flagship model
Low beam	HB3		LED
High beam	H7		LED
Front position light	LED		LED
Front turn signal	LED		LED
Daytime running light	LED		LED
Rear position light	LED		LED
Rear turn signal	WY16W/LED		
Brake light	LED		LED
High-mount brake light	LED		LED
Reversing light	LED		LED
Rear fog light	P21W		P21W
License plate light	W5W		W5W
Trunk light	W10W		W10W
Front interior light	LED		LED
Rear interior light	LED		LED

Headlight calibration

When a new vehicle leaves the factory, its headlamp has been calibrated. If you often use the trunk to carry heavy objects, the headlamp may need to be recalibrated. If you need to calibrate the headlamp, please contact an authorized service station of Dongfeng Forthing.

FAQ

Why does the headlamp glass surface fog sometimes?

In general, the fog in the headlight is formed by condensation when the moisture in the lamp body material evaporates and contacts with low-temperature conditions. This is a normal physical phenomenon, and the fog will finally dissipate after each formation.

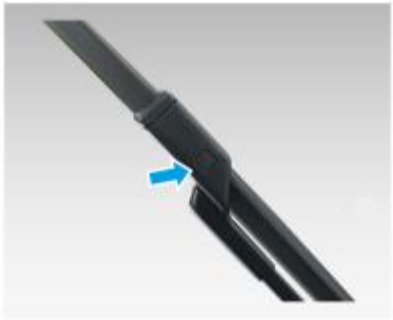
The method to eliminate fog is as follows: During driving, after the low beam is turned on for a period of time, the fog in the effective area irradiated in front of the headlamp can be dissipated.

Note

- When the headlight is turned on, the surface temperature of the headlight is very high. Do not directly touch the surface of the lamp to avoid scalding;
- To avoid damaging the lamp, do not use invasive abrasive or chemical solvent to clean the lamp. Do not wipe or clean the lampshade with sharp objects when it is dry.

Replacement of wiper blade

Replacement of front wiper blade

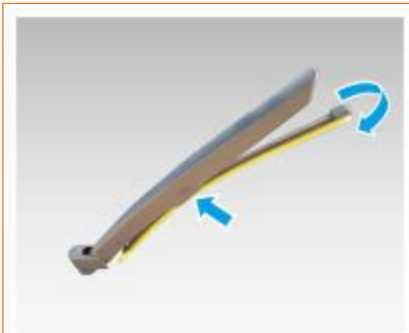


1. Pull up the wiper arm and press the wiper blade release button.

2. Pull out the wiper blade along the opening direction of the wiper rod and remove the wiper blade.

3. Replace the wiper blade with a new one, and operate in the reverse order to ensure that the wiper blade is correctly installed in place.

Replacement of rear wiper blade



Check whether the wiper blades are worn or broken. To replace the rear wiper blade:

1. Pull the rear wiper blade away from the rear windshield. 2. Pull out the rear wiper blade from the rear wiper arm.

3. Insert a new rear wiper blade and push it in place. 4. Fold the rear wiper arm back to the rear windshield.

Note

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

Replacement of fuse

Positions of fuse boxes

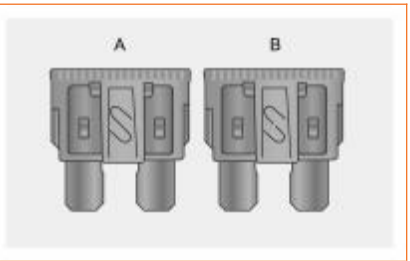
Engine compartment fuse box

The engine bay fuse box is located on the left front side of the engine compartment. Remove the clips on the left and right sides of the fuse box, and open the box cover to check the fuse.

Interior fuse box

The interior fuse box is located at the lower left corner on the driver's side. Remove the cover plate to check the fuse.

Check the fuse



A: normal

B: Fuse blown

The fuse protects the vehicle electrical equipment by preventing the electrical equipment in the circuit from overloading. A blown fuse indicates that the circuit it protects is faulty and stops working. If the fuse is suspected to be faulty, remove it with a fuse puller and check whether it is blown.

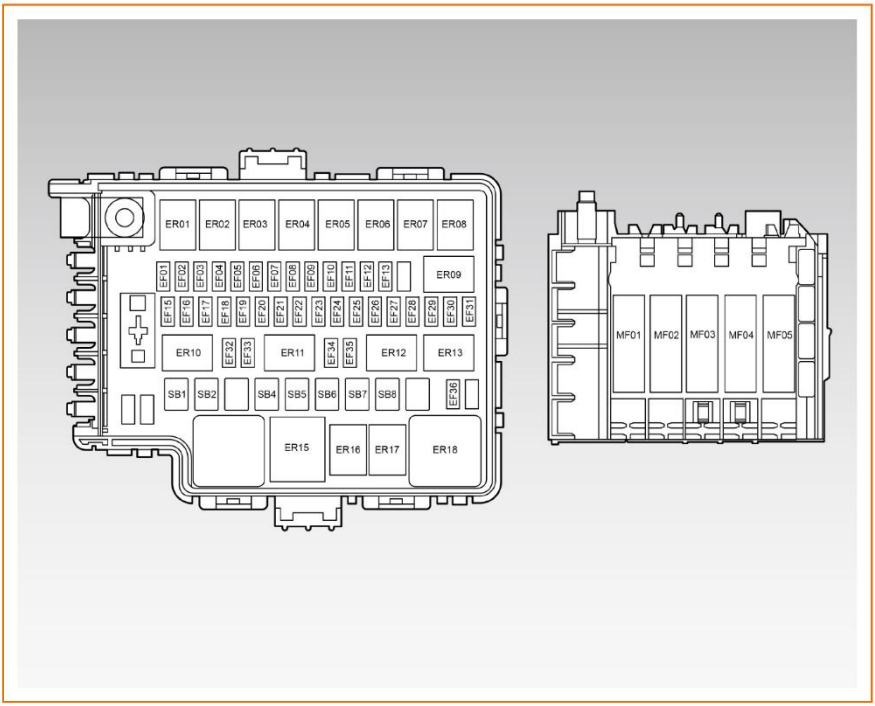
Replace the fuse

There is a fuse puller in the engine compartment fuse box. Pull the fuse straight out of the fuse box with a puller. If the fuse is not blown, there must be other causes causing the fault. Please contact an authorized service station of Dongfeng Forthing as soon as possible.

Check the blown metal wire in the fuse. If the fuse is blown, replace it with a spare fuse of the same or lower amperage. If a spare fuse with lower amperage is used and blown again, replace it with a fuse of the same rating.

If the replacement fuse with the same rating is blown again in a short time, it indicates that the vehicle may have a serious electrical fault. Please contact the authorized service station of Dongfeng Forthing as soon as possible.

Layout of engine compartment fuse box

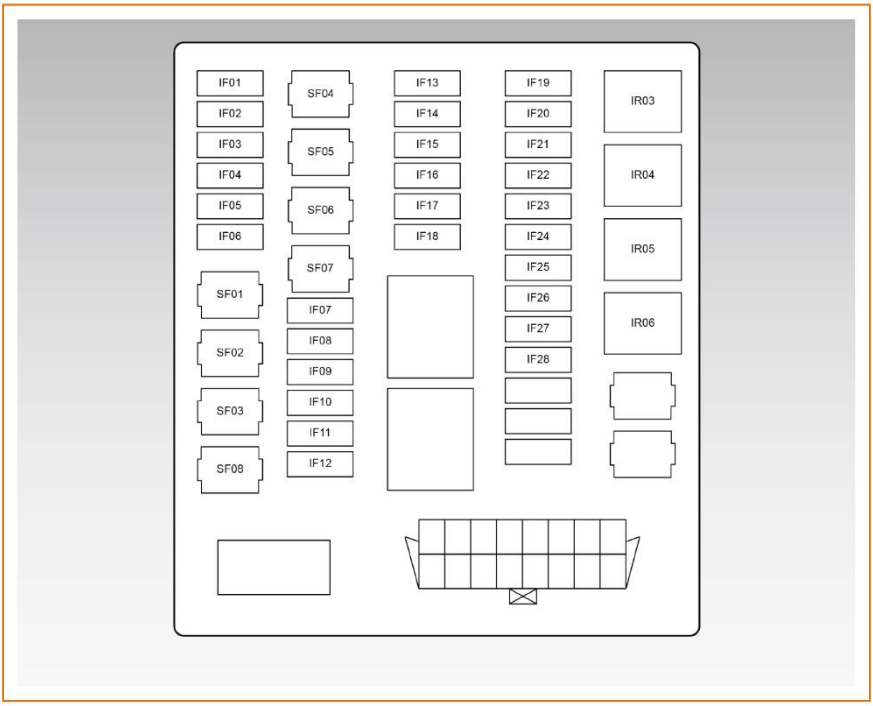


S/N	Name	Rated current (A)	Description
EF01	Electronic injection relay fuse	7.5A	-
EF02	Ignition coil fuse	15A	-
EF03	Electronic fuel injection actuator fuse	15A	-
EF04	Electronic injection sensor fuse	10A	-
EF05	VLC fuse *	15A	-
EF06	Front right fog light fuse*	7.5A	-
EF07	Front left fog light fuse*	7.5A	-
EF08	Fuel pump fuse	15A	-
EF09	EPS fuse*	5A	-
EF10	Brake switch fuse	5A	-
EF11	EMS&VVL fuse	10A	-
EF12	Reverse gear switch fuse	7.5A	-
EF13	Blower coil fuse	5A	-
EF15	TCU BAT+ fuse	5A	-

Emergency Self-handing

S/N	Name	Rated current (A)	Description
EF16	EMS BAT + FUSES	10A	-
EF17	ALT fuse *	7.5A	-
EF18	B+ power supply fuse *	5A	-
EF19	TCU BAT+ fuse	25A	-
EF20	TCU BAT+ fuse	25A	-
EF21	Vacuum pump fuse	25A	-
EF22	Relay coil fuse	5A	-
EF23	TCU BAT+ fuse	25A	-
EF24	Wiper INT fuse	15A/20A	-
EF25	Front courtesy lamp/grille light fuse*	10A	-
EF26	Horn fuse	15A	-
EF27	Reversing light fuse	5A	-
EF28	DTC water pump fuse	5A	-
EF29	Brake light fuse	7.5A	-
EF30	Compressor fuse	10A	-
EF31	ESP/ABS SOL BAT+ fuse *	25A	-
EF32	Left low beam fuse	7.5A	-
EF33	Right low beam fuse	7.5A	-
EF34	Left high beam fuse	7.5A	-
EF35	Right high beam fuse	7.5A	-
EF36	Start feedback fuse	5A	-
SB01	ESP/ABS MTR BAT+ fuse	40A	-
SB02	Front blower fuse	40A	-
SB03	VLC fuse *	40A	-
SB05	High-speed fan fuse	40A	-
SB06	ESP/ABS SOL BAT+ fuse	40A	-
SB07	Starter fuse	25A	-
SB08	Low-speed fan fuse	30A	-
MF01	Battery positive fuse box	125A	-
MF02	Electric power fuse	60A	-
MF03	Electronic fan controller fuse *	50A/60A/80A	-
MF04	Fuse of instrument panel fuse box	50A	-
MF05	Fuse of instrument panel fuse box	50A	-

Layout of interior fuse box



S/N	Name	Rated current (A)	Description
IF01	Start/Stop button fuse	5A	-
IF02	ESCL fuse	10A	-
IF03	Wireless charging fuse	10A	-
IF04	Diagnosis fuse	10A	-
IF05	Exterior light fuse	20A	-
IF06	Fuse of combination instrument	10A	-
IF07	Interior roof-mounted light fuse	10A	-
IF08	Sunroof fuse	20A	-
IF09	Seat heater fuse	20A	-
IF10	Audio host fuse	15A	-
IF11	A/C controller fuse	10A	-
IF12	Front washer fuse	10A	-
IF13	Airbag fuse	10A	-
IF14	A/C controller fuse	7.5A	-
IF15	Fuse of combination instrument	7.5A	-

S/N	Name	Rated current (A)	Description
IF16	Engine compartment IGN1 fuse	15A	-
IF17	Roof IGN2 fuse	7.5A	-
IF17	Rear blower fuse*	10A	-
IF18	Instrument IGN2 fuse	7.5A	-
IF19	Backlight fuse	5A	-
IF20	Front right and rear left position light fuse	5A	-
IF21	Front left and rear right position light fuse	5A	-
IF22	VSP fuse*	5A	-
IF23	12V power fuse	15A/25A	-
IF24	USB power fuse	10A/25A	-
IF25	Instrument ACC fuse	7.5A	-
IF26	Blower feedback fuse	5A	-
IF27	Panoramic view fuse	5A	-
IF28	A/C controller fuse	7.5A	-
SF01	Ignition switch fuse	30A/60A	-
SF02	Door lock fuse	20A	-
SF03	Left door control module fuse	30A	-
SF04	Right door control module fuse	30A	-
SF05	Power seat fuse	25A	-
SF06	Rear defroster fuse	25A	-
SF07	B+ power supply fuse *	30A	-
SF08	Front and rear wiper fuse	20A	-

Vehicle towing

Front towing point

Rear towing point

If the vehicle needs to be towed, contact a professional vehicle towing service department or organization. Do not tow the vehicle only with ropes or iron chains.

Traction method

Flatbed device

The vehicle can be loaded onto a truck. This is the best way to transport the vehicle.

Wheel lifting device

The tractor inserts two supporting arms into the bottom of the front wheels of the vehicle to lift the wheels off the ground, and the rear wheels are still on the ground. This is a feasible method to tow the vehicle.

Precautions for traction

When wheel lifting traction is adopted, the towing mileage should not exceed 50 km and the speed shall be kept below 30 km/h.

If the body is equipped with a front spoiler, remove it before towing to avoid damage. Do not lift or tow the vehicle from the bumper, which will cause serious damage.

When installing the towing cable, pay special attention not to damage the vehicle body by the cable.

If all-wheel landing traction is adopted, a device that is reasonably designed and attached with a towing bar must be used. Turn the Start switch to "ACC" to unlock the steering wheel, and put the gearshift lever to N position.

If it is impossible to shift gears or start the vehicle, only the front wheels can be towed off the ground.

Jump start

If the vehicle cannot be started due to low battery, jumper cables can be used to start with the help of batteries on another vehicle. Jumpering is dangerous and should be operated with caution.

Operation steps

1. Shift to N gear, pull up the parking brake switch and turn off the Start/Stop switch.

2. Connect the positive and negative poles of batteries on the two vehicles respectively with jumper cables, and the two vehicles shall not contact.

3. Start the vehicle and run it at idle speed for several minutes.

4. After successful jump starting, remove the negative cables of batteries on both vehicles first and then the positive cables.

⚠ Warning

When jump starting with auxiliary cables connected from another vehicles, correct operation must be carried out according to the user manual. Incorrect operation steps may cause fire, explosion or damage to the vehicle.

Engine overheating

After the vehicle runs for a period of time, the coolant thermometer indication shall be stable at the middle scale position. If the coolant temperature indicator points to the red mark, the high coolant temperature warning indicator lights up and steam comes out from the engine hood. In this case, turn off the Start switch immediately.

Countermeasures

1. Drive the vehicle to the roadside safely, shift to N gear and pull up the parking brake switch. Turn off all electrical switches and turn on the hazard warning light.

2. With the engine running stably, open the engine hood to ventilate the engine compartment and confirm whether the radiator fan rotates. If the fan does not rotate, shut down the engine immediately and contact the authorized service station of Dongfeng Forthing as soon as possible.

3. After the coolant temperature drops to the normal temperature, turn off the start switch.

4. Check the coolant level in the reservoir. If the fluid reservoir is empty, be sure to wait until the engine cools down before opening the fluid reservoir cover. Otherwise, the filler may eject hot steam or boiling water, causing burns.

5. Add coolant to the reservoir as necessary. Adding coolant immediately when the engine temperature is high may cause cracking of the cylinder head or cylinder block. Therefore, coolant should be added slowly when the engine is running. The operation of adding coolant requires a high degree of professionalism. It is recommended to contact an authorized service station of Dongfeng Forthing.

6. Check the radiator hose for coolant leakage. If the coolant level drops, add coolant to the MAX mark, and then install and tighten the reservoir cover.

Warning

Do not open the engine hood if steam is leaking. Contact with steam or mist spray coming out from the overheated engine will cause severe scald. Be sure to wait until the engine and radiator cool down before opening the engine hood.

Vehicle parked for a long time

If the vehicle needs to be parked for a long time, the following measures shall be taken. Appropriate measures can prevent deterioration of vehicle conditions and make it easy to restart the vehicle. It is recommended to park the vehicle indoors.

1. Add fuel and change engine oil and filter.

2. Clean the interior of the vehicle to ensure that the carpet and other trimmings are completely dry.

3. Pull up the parking brake switch. Shift to R gear, and block the rear wheels with obstacles.

4. If the vehicle needs to be parked for a long time, use a jack support frame to support the vehicle body so that the tires are off the ground.

5. Disconnect the storage battery negative cable.

6. Pad the wiper with a towel or cloth so that it does not come into contact with the front windshield.

7. In order to reduce sticking, silicone lubricant shall be sprayed on all doors and trunk seals, and body wax shall be applied on the paint surface where the doors and trunk seals contact.

8. Cover the vehicle body with a breathable covering made of porous material such as cotton cloth. Non-porous materials such as plastic cloth accumulate moisture and damage the body surface paint.

9. If possible, start the vehicle regularly for a moment to run the cooling fan twice.

Note

If the vehicle has been parked for one year or more, it may not be able to start or its maneuverability may become poor. In this case, please contact the authorized service station of Dongfeng Forthing as soon as possible.

Vehicle Information

Vehicle identification information

There are several vehicle identification numbers (VINs) on your vehicle, which are located in different positions.

1. It is engraved on the body crossmember under the front passenger seat and can be seen by lifting the carpet gap.

2. It is pasted on the right side of the front windshield.

3. It is pasted on the dashboard body assembly.

4. It is pasted on the inside of the storage box.

5. Pasted on the inner panel of right B-pillar.

6. Pasted on the inner panel of A-pillar of right front wall.

7. Pasted on the inner panel of front engine hood.

8. It is pasted on the inner panel of trunk lid.

9. Pasted on the transmission assembly.

Use the OBD II scan tool to read the VIN information through the OBD diagnostic interface.

Note

The above VIN reading tools are not equipped with the vehicle. If you need to purchase them, please contact the authorized service station of Dongfeng Forthing.

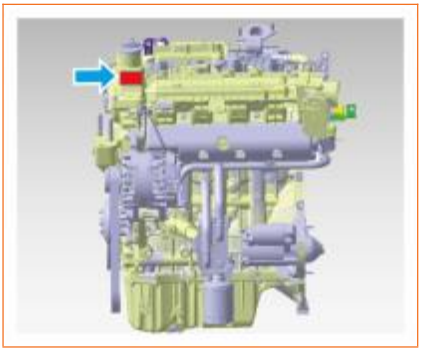
Vehicle's factory nameplate

The factory nameplate of the vehicle contains the following information:

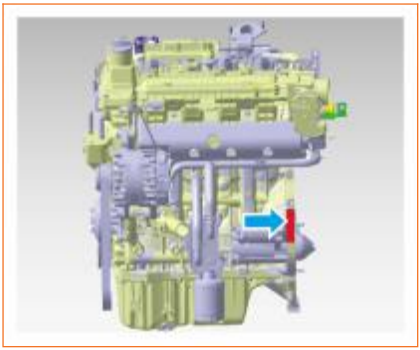
1. Country of manufacture
2. Manufacturer
3. Brand name
4. Vehicle identification number
5. Vehicle model
6. Engine model
7. Maximum net power of engine
8. Manufacture date
9. Engine displacement
10. Maximum allowable total mass
11. Number of passengers

Engine No.

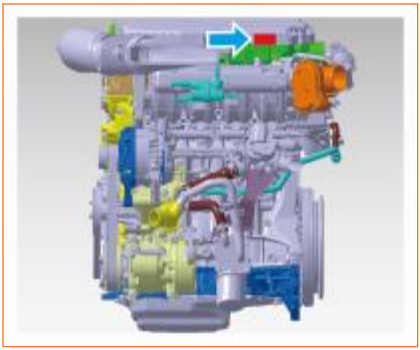
4A95TD engine number label position



4A95TD engine number engraving position



DFMC15TP1 engine number label position



DFMC15TP1 engine number engraving position

Safety warning sign

Battery warning mark

Basic model

New model

The battery warning mark is stuck to the surface of the battery. The battery shall be kept away from heat sources and open flames, and ventilation shall be maintained during charging and use to prevent accidents.

Radiator warning label and A/C refrigerant label

The radiator warning label and the A/C refrigerant label are pasted above the inner side of the engine hood. Coolant specified by Dongfeng Forthing shall be used. Do not mix coolants of different brands. Do not touch the radiator, as the cooling fan may start at any time.

Risk of carbon monoxide poisoning

Carbon monoxide gas is toxic, and inhalation of the gas will seriously threaten life. If the vehicle is properly maintained, carbon monoxide in the exhaust gas will not enter the vehicle under normal driving conditions.

In case of the following conditions, check whether the exhaust system leaks:

1. The vehicle has been lifted due to replacement of engine oil or other reasons.

2. The exhaust sound is abnormal.

3. The underside of the vehicle was damaged in an accident.

When the trunk lid is opened, airflow will bring exhaust gas into the vehicle, resulting in excessive carbon monoxide. If you need to start the vehicle with the trunk lid open, open all windows and turn on the A/C for ventilation.

Microwave window

The microwave window of the vehicle is located in the horizontal center and vertically upward position of the front windshield.

The electronic identification of the vehicle should be installed in the middle and left of the microwave window. It shall not be blocked by the interior rearview mirror mounting bracket, sensor bracket, etc. This sign stores information about the vehicle.

Note

- Please keep the front windshield clean and dry.
- Do not paste film or metal materials on the microwave window to ensure the standard installation of vehicle electronic identification and effective reading of data.
- Do not cover, squeeze or remove the vehicle electronic identification! If the sign is damaged, please apply again at the sign issuing agency in time.

Main dimensional parameters of vehicle

Items	Unit	LZ6460XQ15BD/LZ6461XQ15BD/ LZ6462XQ15BD/LZ6463XQ15BD/ LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/ LZ6460X15A0/LZ6460X15A1		LZ6460X15B0
Vehicle length	mm	4565	4650	4595
Vehicle width	mm	1860	1882	1860
Vehicle height	mm	1690	1690	1690
Front wheel tread	mm	1590	1590	1590
Rear wheel tread	mm	1595	1595	1595
Wheelbase	mm	2715	2715	2715

Vehicle mass parameters

Items	Unit	LZ6461XQ15BD/ LZ6463XQ15BD/ LZ6465XQ15BD/ LZ6467XQ15BD/ LZ6460X15A1	LZ6460XQ15BD / LZ6462XQ15BD/ LZ6464XQ15BD/ LZ6466XQ15BD/ LZ6460X15A0/LZ6460X15B0
Number of passengers	Person	5	5
Curb weight	kg	1500	1550
Front axle curb mass	kg	870	905
Rear axle curb mass	kg	630	645
Maximum mass	kg	1875	1925
Maximum mass of front axle	kg	995	1013
Maximum mass of rear axle	kg	880	912

Engine parameters

Engine model	Unit	4A95TD	DFMC15TP1
Type	-	In-line four-cylinder, 16-valve, turbocharged	
Displacement	L	1.5	
Cylinder diameter × stroke	mm	φ74×86	φ73×88.2
Compression ratio	-	9.5±0.2	10.5±0.5
Rated power	kW/rpm	145/5600 （EU VI E：100/5000）	145/5200
Maximum net power	kW/rpm	130/5600 （EU VI E：96/5000）	140/5200
Maximum net torque	Nm/rpm	260/1500~4000 （EU VI E：260/1500-5700）	300/2000~4000
Ignition order	-	1-3-4-2	
Overall emission level	-	China VI B	

Chassis main assembly

Items		LZ6460XQ15BD/LZ6461XQ15BD/ LZ6462XQ15BD/LZ6463XQ15BD/ LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/ LZ6460X15A0/LZ6460X15A1/LZ6460X15B0
Transmission type		7DCT
Suspension system	Front suspension	MacPherson independent suspension
	Rear suspension	Multi-link independent rear suspension
Steering system	Power steering type	EPS
Brake system	Structural type	"X" type double-pipeline hydraulic layout
	Front brake	Disc brake
	Rear brake	Disc brake
	Free stroke of brake pedal	1mm ～ 12mm

Reasonable service range of brake

Items		LZ6460XQ15BD/LZ6461XQ15BD/ LZ6462XQ15BD/LZ6463XQ15BD/ LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/ LZ6460X15A0/LZ6460X15A1/LZ6460X15B0
Front wheel brake disc	Setting value (mm)	25
	Service limit (mm)	23
Front wheel friction pad	Setting value (mm)	12
	Service limit (mm)	2
Rear wheel brake disc	Setting value (mm)	12
	Service limit (mm)	10
Rear wheel brake pad	Setting value (mm)	10
	Service limit (mm)	2
Parking brake shoe	Setting value (mm)	/
	Service limit (mm)	/

Vehicle power performance

Items	Unit	LZ6460XQ15BD/LZ6461XQ15BD/LZ6462XQ15BD/ LZ6463XQ15BD/LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/LZ6460X15A0/ LZ6460X15A1/LZ6460X15B0
Maximum speed	km/h	180
Maximum gadeability	%	30

Vehicle Specification

Vehicle trafficability

Items	Unit	LZ6460XQ15BD/LZ6461XQ15BD/ LZ6462XQ15BD/LZ6463XQ15BD/ LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/ LZ6460X15A0/LZ6460X15A1		LZ6460X15B0
Approach angle (no load)	°	17	15	17
Departure angle (no load)	°	26	21	26
Ramp angle (no load)	°	17		
Minimum turning diameter	m	11.8		
Minimum ground clearance	mm	185		

Fluid list

Items	Specification	Filling amount
Gasoline	92# or above （EU VI E：≥ 95 octane unleaded gasoline）	55L
Engine oil (4A95TD)	SN and above 5W-30	Fill 3.5±0.2 L for maintenance
Engine oil (DFMC15TP1)	SP 0W-20/SN PLUS 0W-20	Fill 4 L for maintenance
Engine coolant (4A95TD)	OAT-35	9.5±0.8L
Engine coolant (DFMC15TP1)	OAT-35	9.8±0.8L
7 DCT transmission fluid	FUCHS PENTOSIN FFL-7A or SINOPEC DCTF-GS	3.25 L (total capacity 4.25 L)
Brake fluid	DOT4	0.6 ～ 0.8L
Windshield washer fluid	NFC-60	2L
A/C refrigerant	R134a	470±20g

Comprehensive fuel consumption

Items	Unit	LZ6460XQ15BD/LZ6461XQ15BD/LZ6462XQ15BD/ LZ6463XQ15BD/LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/LZ6460X15A0/ LZ6460X15A1/LZ6460X15B0
Fuel consumption	L/100km	6.6

※ Note: The fuel consumption value is determined according to GB/T 19233-2020 Measurement Methods of Fuel Consumption for Light-duty Vehicles.

Parameters of wheel alignment

Items		LZ6460XQ15BD/LZ6461XQ15BD/LZ6462XQ15BD/ LZ6463XQ15BD/LZ6464XQ15BD/LZ6465XQ15BD/ LZ6466XQ15BD/LZ6467XQ15BD/LZ6460X15A0/LZ6460X15A1/ LZ6460X15B0
Front wheel toe-in	Front wheel	0.08° ±0.04°
	Rear wheel	0.08° ±0.08°
Wheel camber	Front wheel	-0.3° ±0.5°
	Rear wheel	-0.86° ±0.5°
Kingpin caster	Front wheel	6.01° ±0.5°
Kingpin inclination	Front wheel	13.29° ±0.5°

Tire specification

Items	LZ6460X15A1/ LZ6460X15B0		LZ6460XQ15BD/ LZ6461XQ15BD/ LZ6462XQ15BD/ LZ6463XQ15BD/ LZ6464XQ15BD/ LZ6465XQ15BD/ LZ6466XQ15BD/ LZ6467XQ15BD/LZ6460X15A0
Tire specification	235/60 R18	235/55 R19	235/55 R19
Rim specification	18×6.5J,18×7J	19×7J	19×7J
Tire pressure (no load)	230kPa		
Tire pressure (full load)	230kPa		
Spare tire specification	T155/90 R17		
Spare tire pressure	420kPa		

Emission requirements

Maintenance technical requirements for specified emission

ECU

The operation of ECU must comply with the following requirements:

1. When connecting the ECU and the harness connector, make sure that the system power supply is disconnected, i.e. the ignition switch is powered off. Do not plug or unplug ECU when the ignition switch is turned on. Avoid touching ECU pins or exposed parts of ECU harness with any part of your body under the power-on state.

2. Sparks caused by static electricity may cause damage to ECU, so contact between ECU and static electricity shall be avoided as much as possible.

3. Do not subject ECU to a voltage exceeding 16 V.

4. Do not connect the positive and negative poles of ECU voltage in reverse.

5. Do not use ECUs with physically damaged appearance. The surface of ECU housing shall not be scratched or coated with any unapproved material. It is not allowed to spray paint or other insulating liquid on ECU pins.

6. Do not use any tool or object to knock any part of the ECU.

7. Do not let an electromagnetic field or RF interferer to be close to the ECU.

8. Make sure that the ECU is effectively fixed and grounded during installation.

9. Do not burn out the ECU when repairing the vehicle by electrical welding. If necessary, power off the ECU, remove it, and put it far away from the electrical welding position.

10. When the battery is bridged with an external power supply, the electrodes shall be kept in firm contact.

Oxygen sensor

When the engine works and the air-fuel ratio increases, the concentration of oxygen in the exhaust will increase. At this time, the output voltage of the oxygen sensor is close to 0 V, the concentration of oxygen in the exhaust will decrease and the output voltage of the sensor is close to 1 V. The engine oxygen sensor does not require any adjustment or repair.

The oxygen sensor will fail in the following conditions:

1. The electrical connector of oxygen sensor is damaged.

2. The Zr element inside the oxygen sensor breaks, ruptures or fails.

3. The Zr element inside the oxygen sensor breaks, ruptures or fails.

4. The heating element circuit of the oxygen sensor is disconnected or short-circuited.

5. The sensing element circuit of the oxygen sensor is disconnected or short-circuited.

6. The oxygen sensor thermistor is short-circuited to housing.

7. The heating element circuit of the oxygen sensor is short-circuited to housing.

Precautions for using the oxygen sensor:

1. Do not drop the oxygen sensor or impact it with the surface of a hard object to avoid damaging the ceramic element or heating element.

2. After the oxygen sensor is installed, avoid damaging the oxygen sensor due to large knocking force applied to the engine.

3. Prevent the sensor from being polluted by carbon deposits, engine oil, lead and other organic matters, resulting in inaccurate sensor output signal.

Information of key components and parts for emission control

Vehicle type approval certificate information, manufacturer, model and effective service life of key components for emission control, etc.

Vehicle models	LZ6460XQ15BD/LZ6461XQ15BD/LZ6462XQ15BD/LZ6463XQ15BD/ LZ6464XQ15BD/LZ6465XQ15BD/LZ6466XQ15BD/LZ6467XQ15BD/ LZ6460X15A0/LZ6460X15A1/LZ6460X15B3			
Description of key components and parts for emission control	ECU	Oxygen sensor	Front catalytic converter assembly	Rear GPF assembly
Model of key components and parts for emission control	MG1US008	LSU/LSF4	SX5G-1205010	SX5G-1205020
Manufacturer	United Automotive Electronic Systems Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.	
Effective service life	Three years or 60,000 km			

Vehicle models	LZ6460X15B0			
Description of key components and parts for emission control	ECU	Oxygen sensor	Front catalytic converter assembly	Rear GPF assembly
Model of key components and parts for emission control	MG1US008	LSU/LSF4	B200028660	/
Manufacturer	United Automotive Electronic Systems Co., Ltd.		Tianjin Catarc Auto Hi-tech Company	/
Effective service life	Three years or 60,000 km			/