M5 使用手册

M5 User Manual

英语

English

Foreword

Dear users,

Congratulations on you having a Lingzhi M5, and thanks for your trust in Dongfeng Forthing. This manual provides details on the safe driving, equipment operation, and vehicle maintenance of the Lingzhi M5. These details will aid you in using your vehicle properly, allowing you to fully experience the driving pleasure offered by the Lingzhi M5.

The catalogue and illustrations of vehicle given in the Manual can facilitate you to understand your car quickly. The following eleven chapters describe in detail how to use each facility of the vehicle. Before using the vehicle, please carefully read these documentations delivered with the vehicle. Since information provided in these documentations are very important for guaranteeing the drive and property safety, please strictly observe and properly keep these documentations.

- 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. Dongfeng Liuzhou Motor Co., Ltd. reserves the right to change the technical specification and design at any time without advance notice.

- Technical update instructions: IoV and electronic technology products are updated rapidly. Please update in time to guarantee user experience.

If you need to inquire about information regarding the Lingzhi M5 car, please feel free to visit our website:

https://www.forthingmotor.com/ (Official Website)

Wish you a safe journey!

Dongfeng Liuzhou Motor Co., Ltd.

May 2024

Foreword

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 only equipped in certain models, and may not necessarily be equipped in your vehicle.

Safety description

Safety label plates — Attached to the vehicle.

Safety prompt information — Identified by hazard warning symbols and words such as ″Danger″, ″Warning″ or ″Note″. 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.

Caution

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

Data Safety Instructions

According to laws, administrative regulations and other provisions, in order to provide you with more convenient and fast service, Dongfeng Liuzhou Motor may collect personal information and vehicle data such as VIN code, engine number and driving behavior when you use the vehicle or provide services for you. We will take measures that meet legal requirements and national or industrial technical standards to protect the security of your personal information and vehicle data.

It is recommended to promptly clear your sensitive personal data when transferring, scrapping, or during a second-hand car transaction.

Contents

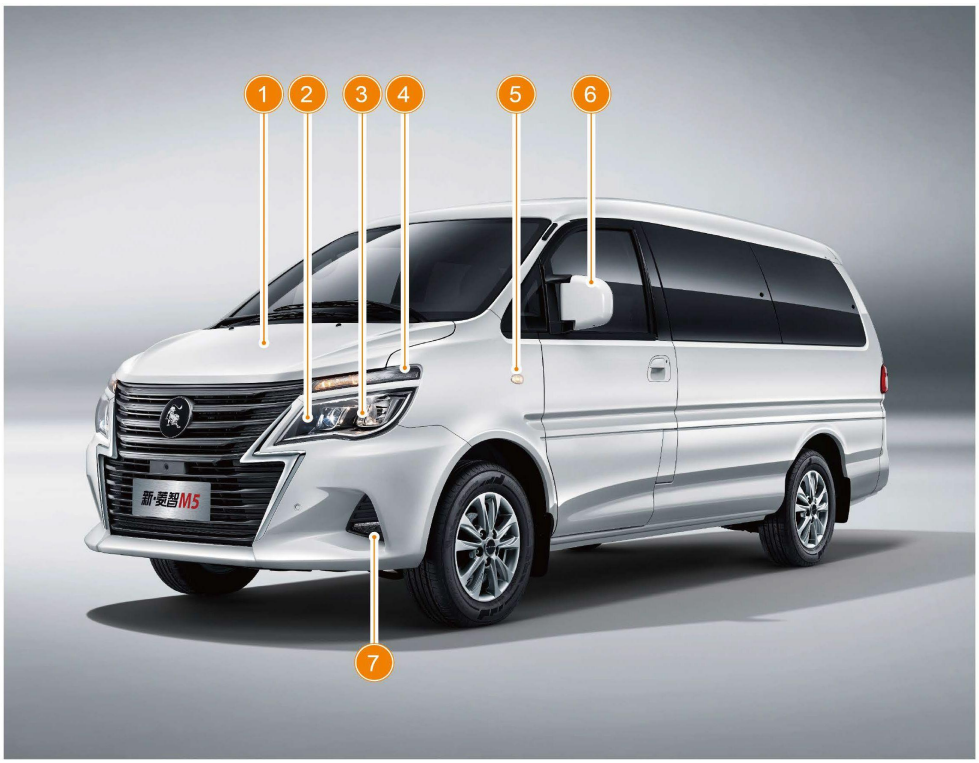
Contents

Vehicle Illustration

Front of Vehicle (Basic Design)

1. Engine hood
2. Front position light
3. Headlight
4. Front turn signal
5. Side turn signal light
6. Exterior rearview mirror
7. Front fog light*/daytime running light*

Front of Vehicle (Lightning Design)



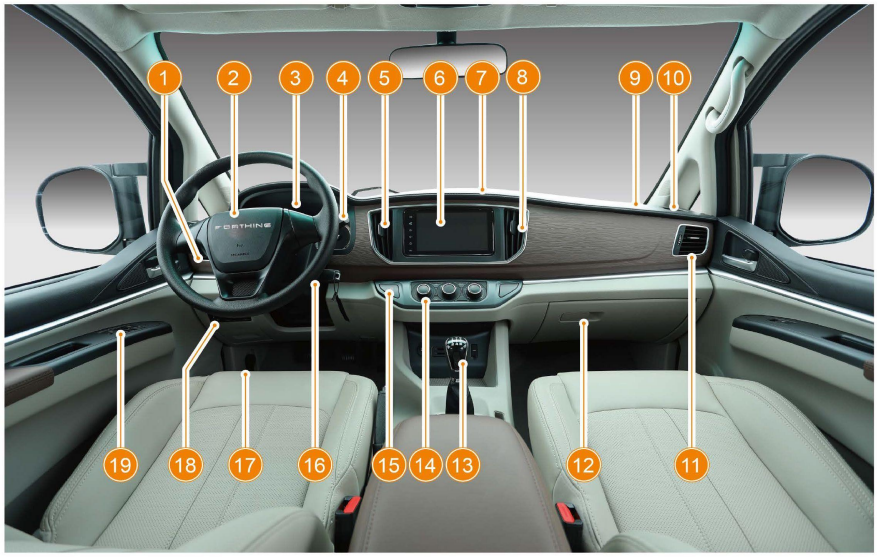
1. Engine hood
2. Front position light
3. Headlight
4. Front turn signal
5. Side turn signal light
6. Exterior rearview mirror
7. Front fog light*/daytime running light*

Rear

1. High−mounted brake light
2. Reverse light
3. Rear turn signal
4. Brake light/position light
5. Retro−reflector device
6. License plate light
7. Rear fog light

Cabin

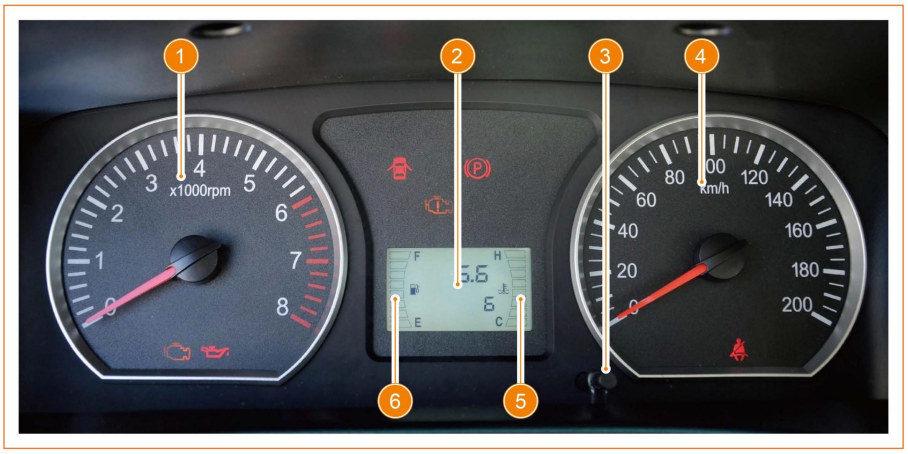
The picture is for reference only, and the actual vehicle shall prevail.



1. Left air outlet
2. Steering wheel
3. Combination instrument
4. Multi−function switch
5. Central left air outlet
6. Multimedia display
7. Front windshield defogging air outlet
8. Central right air outlet
9. Front passenger airbag
10. Side windshield defrosting air outlet
11. Right air outlet
12. Storage compartment
13. Gearshift lever
14. A/C control panel
15. Hazard warning light switch
16. Ignition switch
17. Fuel tank cap release handle
18. Rearview mirror and headlight adjustment switch*
19. Power window control switch

Instrument Indication

Segment Code Screen I



1. Tachometer
2. Information center display screen
3. Adjustment buttons
4. Speedometer
5. Coolant thermometer
6. Fuel gauge

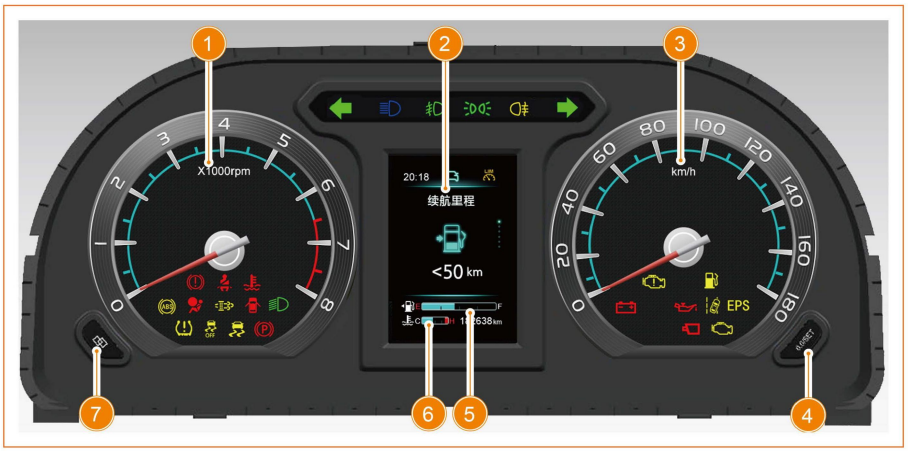
Segment Code Screen II

1. Tachometer
2. Information center display screen
3. Speedometer
4. Reset/set button/indirect tire pressure reset button*
5. Coolant thermometer
6. Fuel gauge
7. Switch button

Segment Code Screen III

1. Tachometer
2. Fuel gauge
3. Speedometer
4. Reset/set button/indirect tire pressure reset button
5. Information center display screen
6. Coolant thermometer
7. Switch button

LCD

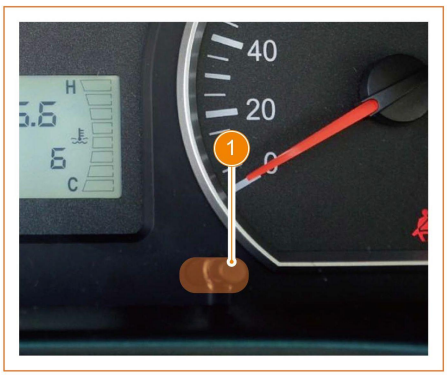


1. Tachometer
2. Information center display screen
3. Speedometer
4. Reset/set button
5. Fuel gauge
6. Coolant thermometer
7. Switch button

Information Center Display Screen Settings

Control Buttons for the Information Center Display Screen

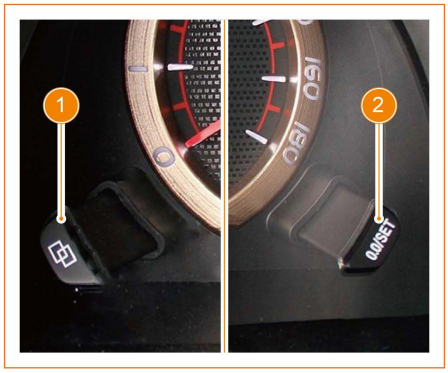
Type I



1. Adjustment buttons

Pressing the adjustment button for more than 2 seconds will reset the trip mileage.

Type II



1. Switch button

Briefly press the toggle button to switch between trip mileage and total mileage, as well as to navigate through the trip computer information.

2. Reset/set button/indirect tire pressure reset button

When the trip mileage is displayed on the information center screen, press and hold the set button for 30 seconds or longer to reset the trip mileage and the corresponding average fuel consumption.

When all four tires are at standard pressure and the vehicle is stationary, press the indirect tire pressure reset button for more than 10 seconds (but no longer than 20 seconds) to reset the indirect tire pressure monitoring system (for detailed instructions, refer to Chapter VIII - Repair and Maintenance: Tire Pressure Monitoring System).

Steering Wheel Button Adjustment Mode*

The display content of the information center can be toggled using the Up/Down, OK, and Return buttons located on the right side of the steering wheel.

1. Up Button: Scroll upward to select options within the settings.
2. Down Button: Scroll downward to select options within the settings.
3. OK button: Long press to reset the trip odometer; a short press will enter the next menu or confirm a selection.
4. Return Button: Short press to back to the previous screen.

Pointer Gauge (Segment Code Screen I)

Tachometer

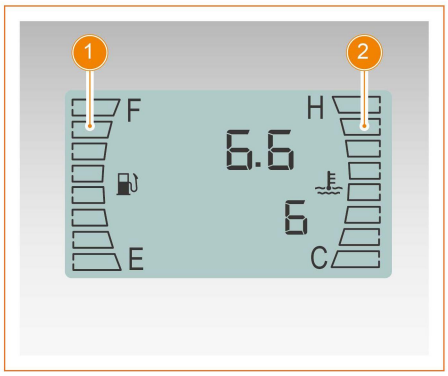
The tachometer displays the engine's revolutions per minute (RPM) in units of 1,000. To prevent engine damage, do not operate the vehicle at speeds in the red zone.

Speedometer

The speedometer shows the vehicle's current speed in km/h. Due to the influence of tire pressure, road conditions, climate and other factors, there may be an error between the indicated speed and the actual speed.

Caution
• The vehicle's speedometer meets the design specifications of the national standard GB 15082 for Automotive Speedometers. • The speedometer error complies with the national standard 'GB 7258', stating: the indicated speed V1 by the speedometer (in km/h) and the actual speed V2 (in km/h) must adhere to the condition: 0 ≤ V1 - V2 ≤ (V2/10) + 4.

Fuel Gauge and Coolant Thermometer



1. Fuel gauge

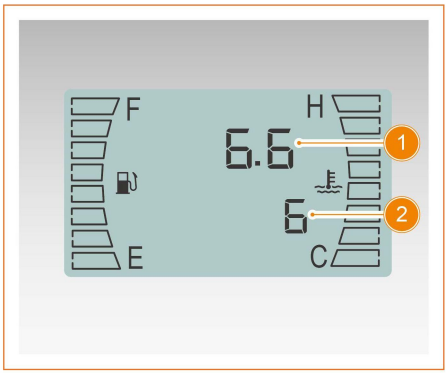
The fuel gauge indicates the amount of fuel in the fuel tank. Displayed on the left side of the information center screen as a scale bar. The displayed fuel level may slightly vary from the actual level when turning or driving on uneven surfaces. If the fuel level is low, the low fuel indicator light will illuminate. It is recommended to refuel as soon as possible.

2. Coolant thermometer

The coolant thermometer shows the engine coolant temperature. Displayed on the right side of the information center screen as a scale bar. When the temperature nears H, it indicates a relatively high engine coolant temperature. If the temperature rises above 115°C, the water temperature warning indicator light will illuminate. At this point, promptly park the vehicle safely, turn off the engine, and contact a Dongfeng Forthing authorized service station.

CAUTION
Avoid driving the vehicle with a low fuel level. Driving until the fuel is depleted may cause the engine to stall and could potentially damage the fuel pump.

Information Center Display Screen (Segment Code Screen I)



1. Total odometer

2. Trip odometer

When the ignition switch is in the "ON" position, the total odometer or the trip odometer will start displaying.

The trip odometer indicates the distance traveled by the vehicle over a designated segment or period. Pressing the adjustment button for more than 2 seconds will reset the trip mileage.

Pointer Gauge (Segment Code Screen II)

Tachometer

The tachometer displays the engine's revolutions per minute (RPM) in units of 1000. To prevent engine damage, do not operate the vehicle at speeds in the red zone.

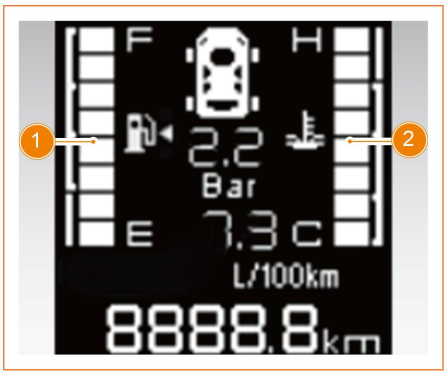
Speedometer

The speedometer shows the vehicle's current speed in km/h. Due to the influence of tire pressure, road conditions, climate and other factors, there may be an error between the indicated speed and the actual speed.

Caution

- The vehicle's speedometer meets the design specifications of the national standard GB 15082 for Automotive Speedometers.
- The speedometer error complies with the national standard 'GB 7258', stating: the indicated speed V1 by the speedometer (in km/h) and the actual speed V2 (in km/h) must adhere to the condition: $0 \leq V1 - V2 \leq (V2/10) + 4$.

Fuel Gauge and Coolant Thermometer



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The fuel gauge indicates the amount of fuel in the fuel tank. Displayed on the left side of the information center screen as a scale bar. The displayed fuel level may slightly vary from the actual level when turning or driving on uneven surfaces. If the fuel level is low, the low fuel indicator light will illuminate. It is recommended

to refuel as soon as possible.

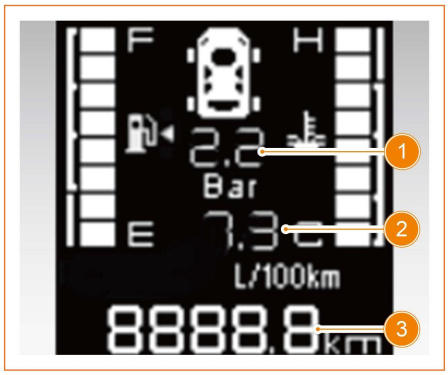
2. Coolant thermometer

The coolant thermometer shows the engine coolant temperature. Displayed on the right side of the information center screen as a scale bar. When the temperature nears H, it indicates a relatively high engine coolant temperature. If the temperature rises above 115°C, the water temperature warning indicator light will illuminate. At this point, promptly park the vehicle safely, turn off the engine, and contact a Dongfeng Forthing authorized service station.

Caution

Avoid driving the vehicle with a low fuel level. Driving until the fuel is depleted may cause the engine to stall and could potentially damage the fuel pump.

Information Center Display Screen (Segment Code Screen II)



1. Tire pressure*

It displays the pressure and temperature values of the currently flashing tire. When the tire pressure or temperature is abnormal, the tire pressure warning indicator light will illuminate, displaying the temperature and pressure values of the affected tire.

2. Average fuel consumption

Based on the instantaneous fuel consumption and mileage, it calculates and displays the average fuel consumption over a specific driving distance.

Display range: 0~30 L/100 km.

When the odometer shows the total mileage, it displays the average fuel consumption for that distance. When it indicates trip mileage, it reflects the average fuel consumption for that specific trip. Resetting the odometer also resets the average fuel consumption, starting the calculations anew.

As total mileage increases, the average fuel consumption value becomes stable and experiences minimal fluctuations.

3. Odometer

The odometer consists of two parts: trip odometer and total odometer.

When 'trip' is displayed, the odometer shows the trip mileage. If 'trip' is not displayed, it shows the total mileage.

Trip mileage displays the accumulated distance traveled since the last reset. The display range is 0 to 9999.9 km. Once it surpasses 9999.9 km, the trip mileage automatically resets and begins a new count.

The total distance refers to the accumulative vehicle miles of travel, which ranges from 0 to 999999 km. After reaching the miles, the odometer will stop accumulating the total distance and indicates 999999 km.

Due to the impacts of tire pressure, road conditions and weather, an error may occur between the indicated miles and the actual ones.

Pointer Gauge (Segment Code Screen III)

Tachometer

The tachometer displays the engine's revolutions per minute (RPM) in units of 1000. To prevent engine damage, do not operate the vehicle at speeds in the red zone.

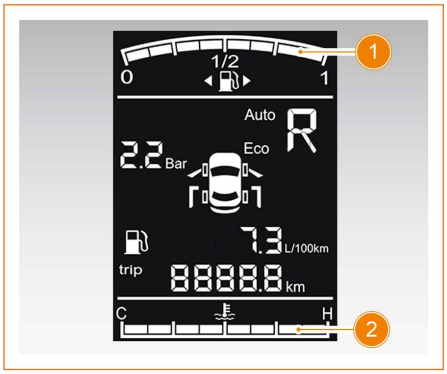
Speedometer

The speedometer shows the vehicle's current speed in km/h. Due to the influence of tire pressure, road conditions, climate and other factors, there may be an error between the indicated speed and the actual speed.

Caution

- The vehicle's speedometer meets the design specifications of the national standard GB 15082 for Automotive Speedometers.
- The speedometer error complies with the national standard 'GB 7258', stating: the indicated speed V1 by the speedometer (in km/h) and the actual speed V2 (in km/h) must adhere to the condition: $0 \leq V1 - V2 \leq (V2/10) + 4$.

Fuel Gauge and Coolant Thermometer



1. Fuel gauge

The fuel gauge indicates the amount of fuel in the fuel tank. Displayed above the information center screen as a scale bar. The displayed fuel level may slightly vary from the actual level when turning or driving on uneven surfaces. If the fuel level is low, the low fuel indicator light will illuminate. It is recommended to refuel as soon as possible.

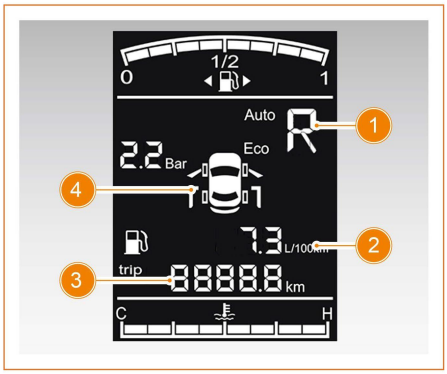
2. Coolant thermometer

The coolant thermometer shows the engine coolant temperature. Displayed below the information center screen as a scale bar. TM When the temperature nears H, it indicates a relatively high engine coolant temperature. If the temperature rises above 115°C, the water temperature warning indicator light will illuminate. At this point, promptly park the vehicle safely, turn off the engine, and contact an authorized service station of Dongfeng Forthing as soon as possible.

Caution

Avoid driving the vehicle with a low fuel level. Driving until the fuel is depleted may cause the engine to stall and could potentially damage the fuel pump.

Information Center Display Screen (Segment Code Screen III)



1. Gear shift indicator or gear position display

Gear shift indicator: The displayed gear is not the current gear but the recommended one.

2. Average fuel consumption display

Based on the instantaneous fuel consumption and mileage, it calculates and displays the average fuel consumption over a specific driving distance.

Display range: 0~30 L/100 km.

When the odometer shows the total mileage, it displays the average fuel consumption for that distance. When it indicates trip mileage, it reflects the average fuel consumption for that specific trip.

Resetting the odometer also resets the average fuel consumption, starting the calculations anew.

As total mileage increases, the average fuel consumption value becomes stable and experiences minimal fluctuations.

3. Odometer

The odometer consists of two parts: trip odometer and total odometer.

When 'trip' is displayed, the odometer shows the trip mileage. If 'trip' is not displayed, it shows the total mileage.

Trip mileage displays the accumulated distance traveled since the last reset. The range is 0 to 9999.9 km. Once it surpasses 9999.9 km, the trip mileage automatically resets and begins a new count.

The total mileage displays the total distance in kilometers that the vehicle has traveled. The range is 0 to 999,999 km. Once the total odometer reaches this limit, it stops accumulating and displays 999,999 km.

Due to the impacts of tire pressure, road conditions and weather, an error may occur between the indicated miles and the actual ones.

4. Door ajar alert and tire pressure display mode

Door ajar alert: If any door is open or not securely closed, the vehicle's body and the corresponding door icons will illuminate.

Tire pressure display mode: It displays the pressure and temperature values of the currently flashing tire. When the tire pressure and temperature is abnormal, the tire pressure warning indicator light will illuminate, displaying the temperature and pressure values of the affected tire.

Pointer Gauge (LCD)

Tachometer

The tachometer displays the engine's revolutions per minute (RPM) in units of 1,000. To prevent engine damage, do not operate the vehicle at speeds in the red zone.

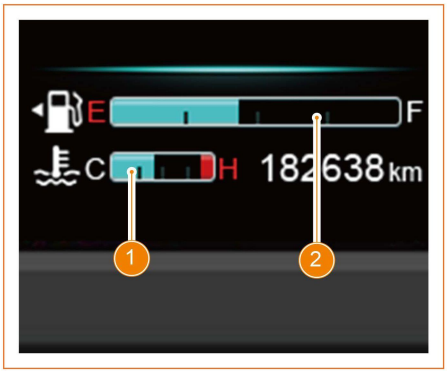
Speedometer

The speedometer shows the vehicle's current speed in km/h. Due to the influence of tire pressure, road conditions, climate and other factors, there may be an error between the indicated speed and the actual speed.

Caution

- The vehicle's speedometer meets the design specifications of the national standard GB 15082 for Automotive Speedometers.
- The speedometer error complies with the national standard 'GB 7258', stating: the indicated speed V1 by the speedometer (in km/h) and the actual speed V2 (in km/h) must adhere to the condition: $0 \leq V1 - V2 \leq (V2/10) + 4$.

Fuel Gauge and Coolant Thermometer



1. Coolant thermometer

The coolant thermometer shows the engine coolant temperature. Displayed below the information center screen as a scale bar. When the temperature nears H, it indicates a relatively high engine coolant temperature. If the temperature rises above 115°C, the water temperature warning indicator light will illuminate. At this point, promptly park the vehicle safely, turn off the engine, and contact a Dongfeng Forthing authorized service station as soon as possible.

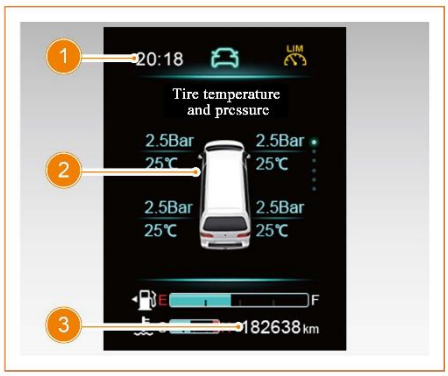
2. Fuel gauge

The fuel gauge indicates the amount of fuel in the fuel tank. Displayed below the information center screen as a scale bar. The displayed fuel level may slightly vary from the actual level when turning or driving on uneven surfaces. If the fuel level is low, the low fuel indicator light will illuminate. It is recommended to refuel as soon as possible.

Caution

Avoid driving the vehicle with a low fuel level. Driving until the fuel is depleted may cause the engine to stall and could potentially damage the fuel pump.

Information Center Display (LCD)



1. Time display

2. Main display area

3. General odometer

Time display

Indicates the current time. For detailed setting instructions, please refer to "Setting Menu - Time Setting" in this chapter.

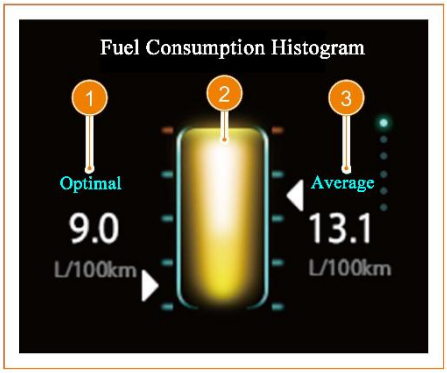
Main display area

You can switch the display content of this interface by pressing the Up/Down button on the right side of the multi-function steering wheel.

Digital speedometer

Displays the current speed of the vehicle.

Fuel consumption histogram



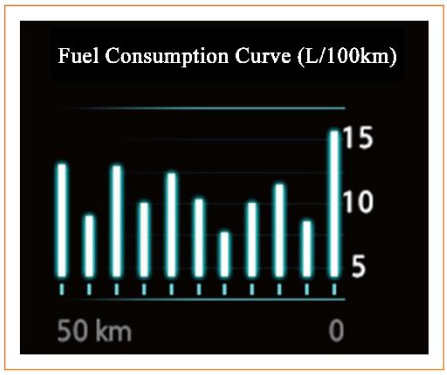
1. Optimal average fuel consumption

2. Instantaneous fuel consumption

3. Average fuel consumption

Displays the optimal average fuel consumption while driving, the average fuel consumption over the recent distance traveled, and the current instantaneous fuel consumption (shown as a bar that dynamically changes according to the instantaneous fuel consumption during driving).

Fuel consumption curve



Displays real-time fuel consumption dynamics for the last 50 km.

Running data

The driving time, average fuel consumption, and average speed for the specified mileage are displayed. The relevant data on the current page can be reset using the Reset/Set button on the combination instrument or the confirm button on the right side of the multi-function steering wheel.

Driving range

The maximum distance that the

vehicle can currently travel is estimated and displayed based on the latest average fuel consumption and the remaining fuel in the tank. Display range: 50~999 km.

When it drops below 50 km, "Range < 50 km" will appear on the display. Since this estimate is affected by the vehicle's current overall fuel consumption, significant changes in driving conditions may cause notable fluctuations. Therefore, the displayed "Range < 50 km" should not be relied upon as a refueling prompt.

Tire pressure display*

For models equipped with a direct tire pressure monitoring system, the current tire pressure and temperature values are displayed on this interface. The accuracy of the tire pressure value is 0.1 bar, and the tire temperature value is accurate to 1°C. If the tire pressure or temperature is abnormal, the tire pressure warning indicator light will illuminate, and the affected tire will be highlighted in red. In this situation, please drive cautiously and pull over to check as soon as possible.

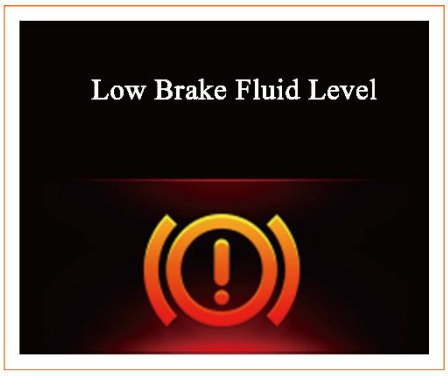
Radar display

When the radar function is activated, the combination instrument initially emits an audible alert. As the vehicle approaches an obstacle, the current screen of the combination instrument shows the distance to the obstacle. As the obstacle gets closer, the distance indicator on the combination instrument moves toward the vehicle, and the alarm sound becomes more urgent. Please drive carefully!

Lane assist

When the lane departure function is activated, the system displays lane departure warnings. As the vehicle approaches the lane marking, the combination instrument emits an audible alert.

Operation reminders, alarms, and status reminder screens

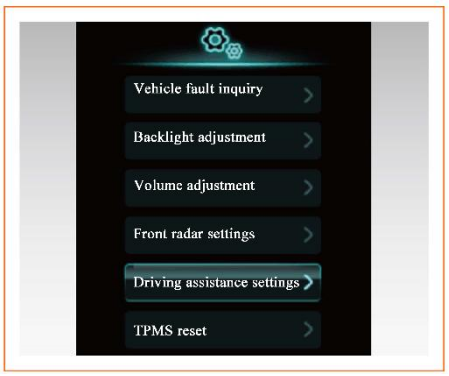


When there is vehicle information that requires an alarm or reminder, the main display area presents the relevant warnings and alerts through text and images.

Vehicle alarms and reminders can be turned off using the right button on the multi-function steering wheel. Once turned

off, you can find the related information in the "Vehicle Status Information" section of the "Menu."

Setting menu



The menu interface includes the following options:

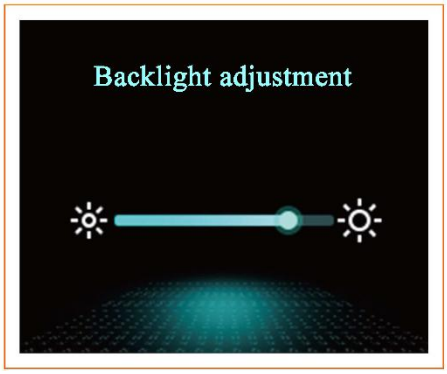
1. Vehicle fault inquiry
2. Backlight adjustment
3. Volume adjustment
4. Front radar settings*
5. Driving assistance settings *
6. TPMS reset*
7. Time setting
8. Display function settings
9. Restore factory settings
10. Version information

To ensure driving safety, the menu interface settings are adjusted based on the vehicle's speed.

Vehicle Fault Inquiry

The current vehicle's alarm information can be viewed in real time. Additionally, this interface offers suggested handling measures for certain alarm alerts.

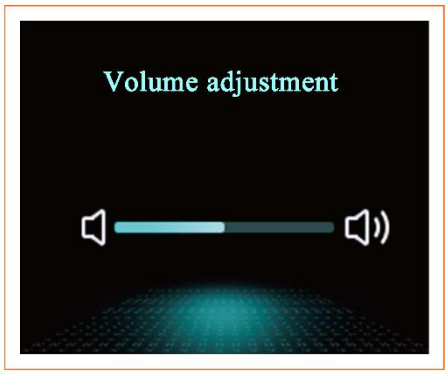
Backlight Adjustment



The backlight brightness of the combination instrument can be adjusted using the buttons on the right side of the multi-function steering wheel. The backlight brightness increases gradually from level 1 to level 10.

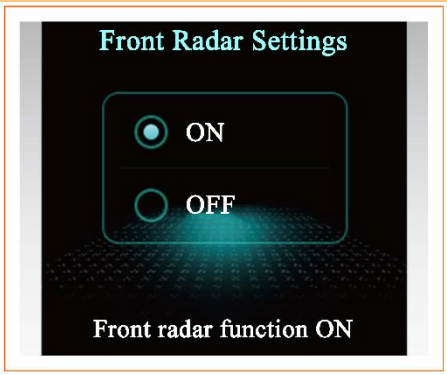
When the position lights are on, the brightness can be adjusted from level 1 to level 8.

Volume Adjustment



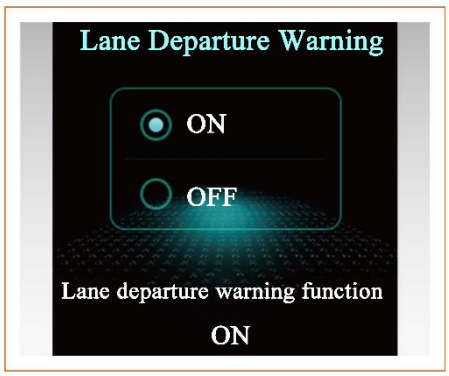
The alarm volume of the combination instrument can be adjusted with the buttons on the right side of the multi-function steering wheel. The alarm volume increases gradually from level 1 to level 3.

Front Radar Settings*



Use the buttons on the right side of the multi-function steering wheel to turn the front radar function on or off. Once set, the interface will display text indicating the current status of the front radar.

Driving Assistance Settings *



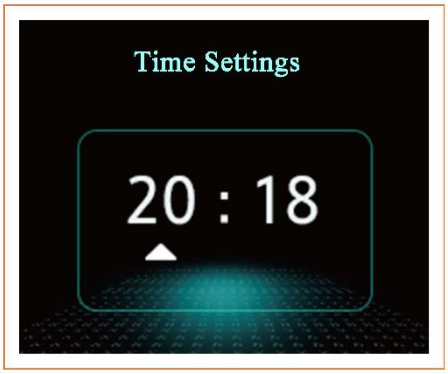
Use the buttons on the right side of the multi-function steering wheel to toggle the lane departure warning function "ON" or "OFF". A relevant text notification will appear on the settings screen whether the settings are successful or not.

Indirect Tire Pressure Monitoring System (ITPMS)*

The ITPMS can be reset using the buttons on the right side of the multi-function steering wheel.

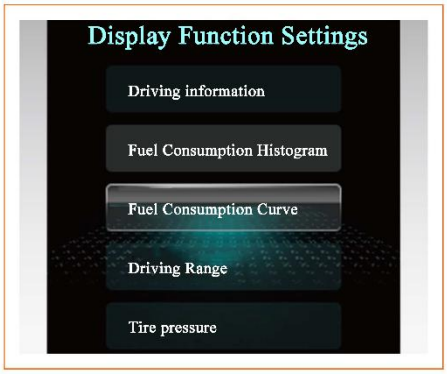
To reset the ITPMS, press the Up, Down, and OK buttons on the right side of the multi-function steering wheel. A message will appear on the display indicating whether the reset was successful or not.

Time



The display time can be set using the buttons on the right side of the multifunction steering wheel.

Display Function Settings



The content to be displayed in the information area can be selected using the buttons on the right side of the multi-function steering wheel.

Options disabled are shown in gray and will not appear in the main display area.

Restore Factory Settings

Once restored to factory settings, the driving data, alarm volume, backlight brightness, and display functions on the combination instrument panel will revert to their original factory state.

Version Information

Displays the current software and hardware version numbers.

Total odometer

Displays the total distance the vehicle has traveled.

Introduction to System indicator lights

System indicator light	Name	Introduction
	Parking brake indicator light(red)	When the parking brake is engaged, this indicator lights up, which is normal and fault-free. If the light does not illuminate after the vehicle is parked or remains illuminated after the brake is fully released, please contact an authorized service station of Dongfeng Forthing.
	Engine fault indicator light(yellow)	If the indicator light stays on while the engine is running, it indicates a potential fault in the engine electronic injection system. Please restart the engine and check the indicator light. If it remains illuminated, contact an authorized service station of Dongfeng Forthing.
	OBD malfunction indicator light(yellow)	The light illuminates when the ignition switch is in the "ON" position. After the engine starts, this light turns off, indicating normal operation. If it does not turn off, this indicates a problem with the engine control system. Restart the engine and check the indicator light. If it remains on, please contact an authorized service station of Dongfeng Forthing.
	Low oil pressure warning indicator light(red)	When the ignition switch is turned to the "ON" position, this light will illuminate. After the engine starts, this light turns off, indicating normal operation. If this indicator remains lit or flashes after starting the vehicle, it indicates the engine oil level is too low. Continuing to drive could result in engine damage. Please contact an authorized service station of Dongfeng Forthing immediately.
	Battery charging fault warning light (red)	When the ignition switch is turned to the "ON" position, this light will illuminate. After the engine starts, this light turns off, indicating normal operation. If the light fails to turn off, it signals a battery charging malfunction. You should turn off all electrical accessories, keep the engine running, and reach out to an

		authorized service station of Dongfeng Forthing.
	Driver seat belt warning indicator light(red)	When the ignition switch is in the "ON" position and the driver hasn't fastened the seat belt, the corresponding indicator light illuminates and the buzzer sounds for several seconds, which is normal and fault-free. The indicator light will turn off and the alarm will be deactivated only after the driver fastens the seat belt.
	Airbag fault indicator light(red) *	If this light stays on while driving, it indicates an airbag malfunction. Please contact an authorized service station of Dongfeng Forthing.
	Brake system fault indicator light(red)	This light will illuminate when the brake fluid level drops to a low level. If this light comes on while driving, it may indicate a problem with the braking system. Please slow down, pull over safely to the roadside, and contact an authorized service station of Dongfeng Forthing.
	ABS MIL（yellow）	If this indicator light turns on while driving, it indicates a malfunction in the anti-lock braking system (ABS). At this time, although the vehicle has normal braking capacity, it does not have anti-lock braking function. Please drive carefully and contact the authorized service station of Dongfeng Forthing as soon as possible.
	Turn and hazard signal indicator light(green)	The corresponding indicator light will illuminate or turn off when the turn signal is operated. This left and right turn signals indicator light and the left and right turn signals will flash at the same time when the hazard warning switch is pressed. If the turn signals do not blink or blink rapidly at this point, it typically suggests a problem with the turn signal bulbs. Check if the bulbs are damaged and contact an authorized service station of Dongfeng Forthing.
	Front fog light indicator light(green) *	When the front fog light is used, this indicator lights up, which is normal and fault-free.
	Rear fog light indicator light(yellow)	When the rear fog light is turned on, this indicator lights up, which is normal and fault-free.
	Position light indicator light(green)	When the position light is turned on, this indicator lights up, which is normal and fault-free.
	High beam indicator light(blue)	When the high beam is used, this indicator lights up, which is normal and fault-free.
	Low beam indicator light(green)	When the low beam is used, this indicator lights up, which is normal and fault-free.
	High engine temperature warning indicator light(Red)	During normal driving, if this light remains on, it signifies the engine coolant temperature is too high. Please reduce speed and safely pull over to the roadside. Open the engine hood and allow the engine to cool. Resume driving only after the coolant temperature drops to normal. Do not exceed 40 km/h while driving and promptly contact an authorized service station of Dongfeng Forthing.
	Low fuel level warning light (yellow)	When the fuel level is low, this light will illuminate, indicating the need for prompt refueling.

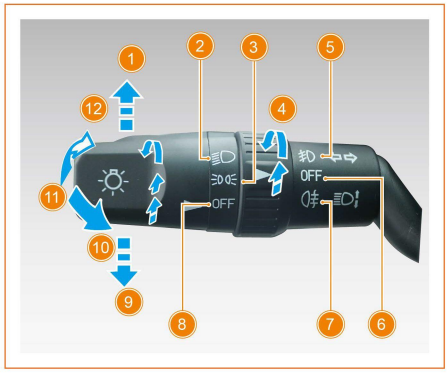
	Door ajar indicator light(red)	The indicator gets on when any door is open or not completely closed. Check if this indicator light is off before starting the vehicle.
	GPF status indicator light(yellow)	When the ignition switch is in the "ON" position, this indicator light will illuminate. After the engine starts, the light will turn off, which is normal and fault-free. If this light remains illuminated, it indicates a high carbon load in the GPF. It is recommended to drive at high speeds to actively regenerate the GPF. If this indicator light and the OBD malfunction indicator light (MIL) illuminate simultaneously, it means the carbon load in the GPF is extremely high, making high-speed active regeneration difficult. Please contact an authorized service station of Dongfeng Forthing promptly.
	EPS fault indicator light (Yellow) *	During normal driving, if this light remains illuminated, it indicates a fault in the electric power steering (EPS) system. Please reduce speed and safely pull over to the roadside. Turn off the engine, wait 5 minutes, and then restart the vehicle. If the light goes out, you may continue driving normally; if it remains illuminated, please contact an authorized service station of Dongfeng Forthing as soon as possible.
	Tire pressure warning indicator light(yellow)*	Direct TPMS: This light will illuminate when there is a malfunction in the tire pressure monitoring system. In the event of underinflation or overinflation, promptly adjust the tire pressure to the standard range: standard pressure ± (standard pressure * 25%). If the tire pressure monitoring system malfunctions, such as in cases of sensor mismatch or loss, please promptly contact an authorized service station of Dongfeng Forthing. Indirect tire pressure monitoring: When the tire is underinflated, this indicator will illuminate, and the LCD instrument will display "Tire Pressure Abnormal". When the tire pressure monitoring system malfunctions, the indicator will flash for 60 seconds and then remain on, with the LCD instrument display showing "Tire Pressure System Fault". In any of these situations, it's recommended to contact an authorized service station of Dongfeng Forthing for a vehicle inspection as soon as possible.
	Speed limit indicator light (yellow) *	For models equipped with a maximum speed limit, this indicator will illuminate to remind the driver to slow down when the vehicle exceeds the limit.
	Lane departure warning system activation indicator light (White) *	When the lane departure warning system is activated and a lane departure alert is necessary, the white indicator light will illuminate.
	Lane departure warning system working indicator light (Green) *	When the lane departure warning system is working and a lane departure warning is necessary, the green indicator light will illuminate.
	Camera working indicator light(yellow)*	If there is an issue with the camera, the yellow indicator light will flash at a frequency of 1Hz for 5 seconds and then remain on. Please take the vehicle to an authorized service station of Dongfeng Forthing for inspection.

	Camera working indicator light(red)*	If there is an issue with the ADAS system, the red indicator light will flash at a frequency of 1 Hz for 5 seconds and then remain on. Please take the vehicle to an authorized service station of Dongfeng Forthing for inspection.
	ESP OFF indicator light (yellow) *	Press the ESP switch located at the lower left of the steering wheel to disable the ESP system. This indicator light will illuminate, indicating that the ESP and TCS functions are disabled. Press the switch again, the ESP system will be turned on again, and this indicator light will turn off.
	Electronic stability program (ESP) working indicator light(yellow) *	When the ignition switch is switched to the "ON" position, this indicator light will illuminate for a few seconds and then go out. When the ESP system is functioning normally, this indicator light will flash at a consistent frequency. If this indicator light on the combination instrument remains on, it means there is a fault in the ESP system. Please take the vehicle to an authorized service station of Dongfeng Forthing for inspection as soon as possible.

Light Combination Switch

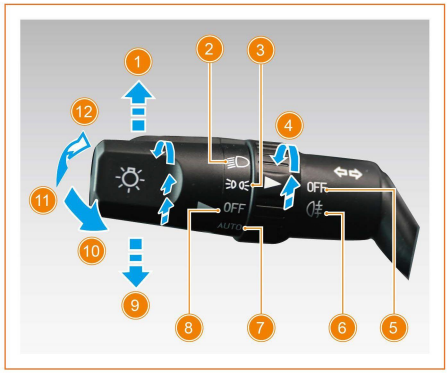
Manual operation of light control combination switch

Basic version



1. Right turn signal
2. Headlight
3. Position light
4. Fog light control
5. Front fog light
6. Fog light OFF
7. Rear fog light
8. Headlight OFF state
9. Left turn signal
10. High beam flashing
11. Low beam
12. High beam

High-end configuration model



1. Right turn signal
2. Headlight
3. Position light
4. Fog light control
5. Fog light OFF
6. Rear fog light
7. Auto lighting*
8. Headlight OFF state
9. Left turn signal
10. High beam flashing
11. Low beam
12. High beam

High/low beam switching

With the low beams on, push the control lever towards the instrument panel to its furthest position to activate the high beam; pull it back towards the steering wheel to switch back to low beam.

Headlight height adjustment

When the vehicle is loaded, the rear part of the body may sink, causing the low beam to be raised, which can affect the visibility of oncoming drivers and create safety hazards. In this case, the angle of the low beam can be adjusted using the headlight height adjustment switch. The headlight height adjustment switch has four ranges, with the low beam angle decreasing sequentially from range 0 to 3.

Headlight automatic illumination *

Set the light combination switch knob to the AUTO position, the low beams will automatically turn on or off based on ambient light once the vehicle is started.

Daytime Running light*

Once the vehicle is started, the daytime running lights will automatically turn on without switch control.

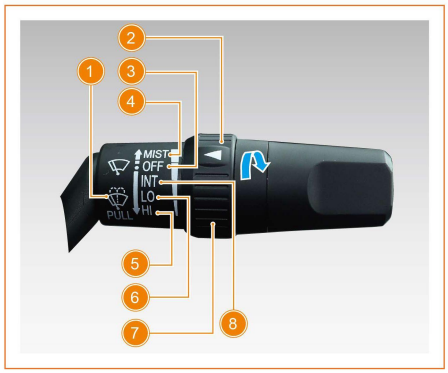
Follow Me Home

Turn the light control handle back and forth once within 5 minutes after the vehicle is shut down, and the ″Follow Me Home″ function will be turned on. At this time, the low beam will be turned on automatically.

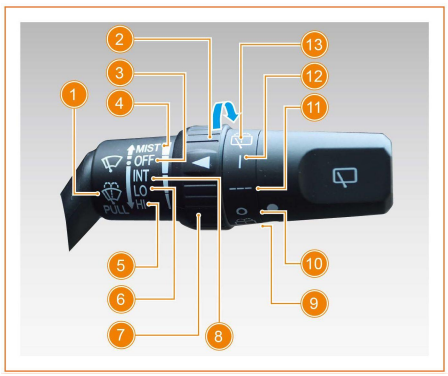
Wiper Combination Switch

Manual operation of the wiper combination switch

Without rear wiper



With rear wiper



1. Activate the front washer with the front wipers operate at low speed

2. Intermittent time, less wiping operation

3. Front wiper OFF

4. Front wiper in momentary, low-speed operation

5. Front wiper high-speed wiping

6. Front wiper low-speed wiping

7. Intermittent time, more wiping operation

8. Front wiper operates every few seconds with adjustable intermittent timing

9. Activate rear washer*

10. Rear wiper OFF *

11. Intermittent rear wiper operation*

12. Rear wiper low speed wiping *

13. Activate the rear washer with the rear wipers operate at low speed*

Front Windshield Washer

Pull the wiper combination switch back towards the steering wheel and hold it in that position, then the washer will activate while the wipers operate at low speed.

Rear windshield washer *

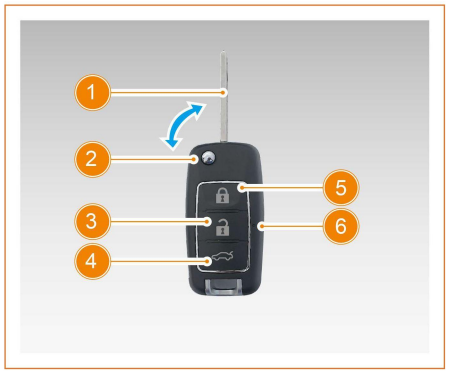
Rotate the wiper knob to the indicated position and hold it, then the rear washer will activate while the wipers operate at low speed.

Wiper Intermittent Time Adjustment

Adjust the “” knob to vary the intermittent time for the wiper in INT mode. There are six settings available, with the adjustable intermittent time ranging from 2 to 12 seconds.

Introduction to Keys

Remote foldable key



1. Mechanical key

2. Mechanical key release button

3. Unlocking button

4. Trunk lid unlock button

5. Locking button

6. Remote key indicator light

Spare key

When the remote key is lost or the battery is run out, the spare key can be used to unlock the door and start the vehicle.

Replacement of remote key battery

If the remote control range of the vehicle decreases or the remote control function fails, it might be due to a low battery. When you press the button on the remote key and the indicator light doesn't illuminate, it means the battery is run out. In this situation, promptly use a small screwdriver to remove the back cover of the key and replace the battery with a new one.

Door Locking and Unlocking

Remote locking and unlocking

Lock

When the vehicle power is in the "OFF" position, pressing the lock button on the remote key will lock the entire vehicle, and the turn signal will flash once, indicating that the system is in anti-theft mode. If any door is not completely closed, the vehicle will not lock, and the turn signal will flash four times to alert you to close the door. Press and hold the lock button for more than 2 seconds will automatically close the front windows.

Unlocking

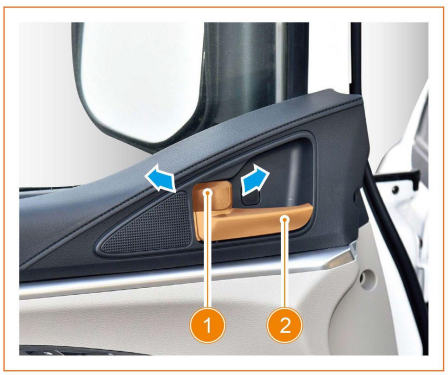
When the vehicle is locked, a short press of the unlock button on the remote key will unlock the entire vehicle, and the turn signals will flash twice; Press and hold the unlock button for more than 2 seconds will automatically open the front windows. Press and hold the tailgate unlock button for more than 2 seconds will unlock the tailgate.

Caution

If the vehicle is in an area with magnetic field interference from sources such as substations, mobile phone base stations, TV towers, charging piles, or with electronic devices or access cards inside the vehicle, the remote control function may temporarily fail. In such cases, please use the mechanical key to lock or unlock the vehicle.

Interior locking and unlocking

Door Locking and Unlocking

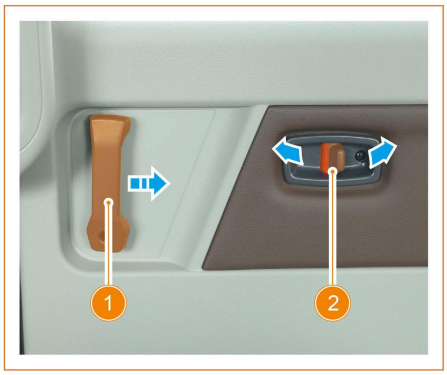


1. Door lock switch

2. Interior release handle

To open the door from the inside, first press the lock switch outwards, then pull the inner door handle. To lock the doors, please close the doors first, and then press the lock switch down.

Sliding door locking and unlocking



1. Interior release handle

2. Sliding door lock switch

To open the sliding door, first unlock the lock switch, and then turn the inner opening handle. To lock the sliding door, first close the door, and then secure the lock switch.

Central Control Locking and Unlocking

1. Central control unlocking switch

2. Central control locking switch

To lock all doors, ensure all vehicle doors are closed and then press the central control locking switch. To unlock all doors, ensure all vehicle doors are locking and then press the central control unlocking switch.

Automatically locking of door

With the doors unlocked, when the vehicle speed increases to more than 10 km/h, the four doors will be locked automatically.

Tailgate locking and unlocking

Press and hold the tailgate unlock button on the remote key, then pull the tailgate latch to open the tailgate.

To lock the tailgate, first press down on the tailgate to close it, and then use the remote key to lock it.

Front power window

1. Front left window regulator switch

2. Window lock switch

3. Front right window regulator switch

Manual operation

Open: Press and hold the window switch downward to open the window.

Close: Pull up and hold the window switch to close the window.

Automatic operation

Pull up or press down the switch beyond the pressure point, the window will automatically raise or lower. To stop it midway, simply press or pull the switch.

Remote opening/closing window *

When the ignition switch is in the "OFF" position and all the vehicle doors are closed, press and hold the unlock button on the remote key for more than 2 seconds, and the windows will lower simultaneously until fully open; press and hold the lock button on the remote key for more than 2 seconds, and the windows will rise simultaneously until fully closed.

Window lock switch

The window locking switch is on the door of driver side, closing to the window switch. Press this switch will disable the operation of the front passenger side window. When the locking function is activated, the driver can also control the raising and lowering of the front passenger side window and rear windows using the driver's side window switch. To restore the power operation of the front passenger side window, simply 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 electric window operation, wait for a while and then the electric window can be operated again.

Anti-pinch function*

During the automatic closing process of the power window, if the window encounters an obstacle and faces certain resistance, it will stop closing and reverse a short distance. If a shock or a load similar to an obstruction in the window occurs, the automatic anti-pinch function will also be activated.

Trigger conditions for anti-pinch power window

The ignition switch is in the "ON" position or within about 60 seconds after the engine is turned off.

Initialization learning of anti-pinch power window

If the vehicle's battery is recharged, disconnected, or does not work normally, it will be necessary to carry out initialization learning of the power window with anti-pinch function again to use the automatic operation and anti-pinch function normally.

Steps of initialization learning

1. Pull up the window switch and hold it until the window is completely closed, and then hold it for more than 2 seconds.

2. Press and hold the window switch downward until the window is fully opened, and continue to hold it for more than 2 seconds.

3. Pull up the window switch again until the window is closed.

4. Initialization learning ends.

The above steps need to be operated in a coherent manner 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.

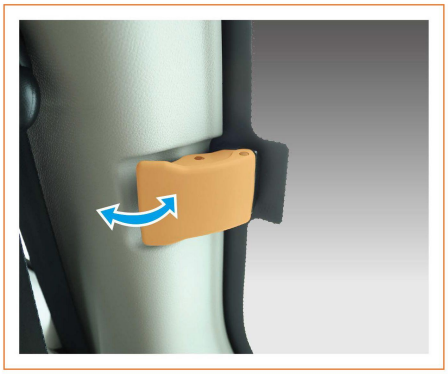
Caution

- When operating the window, make sure that no part of the passenger's body is pinched.
- Do not allow children to operate power windows.
- If someone gets pinched while closing the power window, some injuries may occur.
- Do not deliberately test the anti-pinch function by pinching any part of the body.
- If an object is pinched when the window is about to be fully closed, the anti-pinch function may not work.

Rear window

There are three types of rear windows: fixed, vent, and sliding. Fixed windows are sealed and cannot be opened.

Vent window*



Open

Pull the window handle, and the window glass will move to the fully open position with the movement of the handle. Then, pull the window handle to the locking position.

Close

Pull the window handle, and the window glass will move to the closed position with the movement of the handle. Then, pull the window handle to the locking position.

Sliding window*

Open

Press the latch while sliding the window glass.

Off

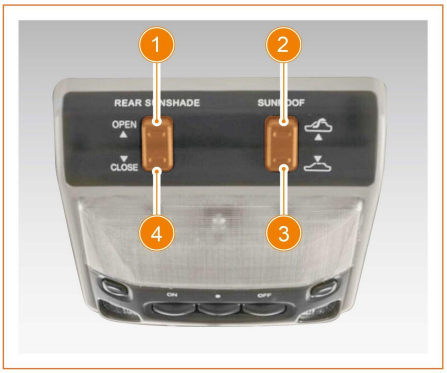
When slide the window to its end, it will lock automatically.

Sunroof

Front sunroof

Side sunroof

Sunroof and Sunshade Control System



1. Side sunroof sunshade opening master switch

2. Front sunroof opening switch

3. Front sunroof closing switch

4. Side sunroof sunshade closing master switch

5. Rear left sunshade opening/closing switch

6. Front left sunshade open/close switch

7. Front right sunshade opening/closing switch

8. Rear right sunshade open/close switch

You can open the front sunroof using the sunroof control switch on the overhead control panel to allow air circulation inside the vehicle. To operate the front sunroof, the ignition switch must be in the "ON" position.

Front sunroof tilting/closing

When the front sunroof is closed, press the front sunroof opening switch, it will tilt to its maximum position.

When the front sunroof is tilted, press the front sunroof closing switch, it will automatically close completely.

Front sunroof opening/closing

When the front sunroof glass is tilted to its maximum position, press and hold the sunroof opening switch, it will gradually open to its maximum position. To keep the front sunroof at its current position, press the front sunroof closing switch.

Press and hold the front sunroof closing switch, and the front sunroof will gradually close completely. To keep the front sunroof in its current position, press the front sunroof opening switch.

Side sunroof sunshade opening/closing

To open all the side sunshades, press the side sunroof sunshade opening master switch.

To close all the side sunshades, press the side sunroof sunshade closing master switch.

To open or close each side sunroof sunshade, press the corresponding switch for each side sunroof sunshade.

Warning

Please do not operate the master switch and the corresponding switches in opposite directions simultaneously; otherwise, the side sunroof sunshade will stop moving.

Anti−pinch protection

During the automatic closing operation, if the front sunroof encounters an obstacle and faces certain resistance, the closing operation will automatically stop midway and reverse a short distance. This feature is designed to prevent injuries.

Initialization

1. Fully open the front sunroof;

2. Press and hold the front sunroof opening switch for more than 10 seconds until the system enters the learning mode automatically;

3. Once in learning mode, the front sunroof will automatically perform these steps: fully open → half-closed → fully closed → half-closed → fully open → half-closed → fully closed;

4. When the learning is completed, the front sunroof will stop moving.

Delayed power−off

When the ignition switch is in the "ACC" position or the key is removed, the front sunroof can still be opened and closed for 30 seconds. If the sunroof is fully closed after 30 seconds, the power to the front sunroof control components will be automatically shut off. If the front sunroof is not in the fully closed position after 30 seconds, you can use the remote key to close the front sunroof. Once it is fully closed, the power to the front sunroof control components will be automatically shut off. When the front sunroof control power supply is shut off, you must turn the ignition switch to the "ON" position again to restore the front sunroof functionality.

Warning

- When the front sunroof is in motion, do not extend your, head or any other body parts out, as this may cause serious injury.
- While the vehicle is in motion, do not extend your head, hands, or any part of your body out of the front sunroof, as this may cause serious injury.
- Do not leave children unattended in the vehicle, especially when the ignition switch is in the "ON" position, as they might play with the front sunroof switch and cause serious accidents.

Steering Wheel

Horn

The horn is located in the center of the steering wheel. Pressing it is useful to alert pedestrians and other vehicles, reducing the possibility of accidents. Proper use of the horn contributes to ensuring driving safety.

Steering wheel adjustment

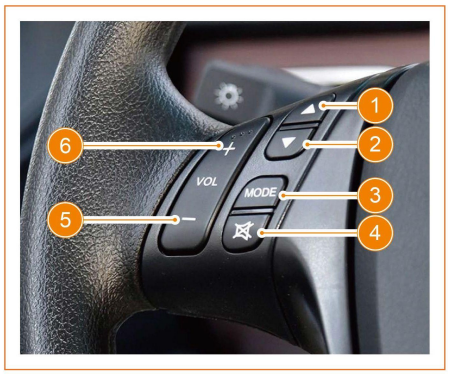
Adjust the steering wheel up and down to a proper position by adjusting the adjustment handle on the steering column. After adjustment, make sure that the adjustment handle is fully locked.

Warning

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

Steering Wheel Button Control

Steering wheel button (left)



1. Select up button
2. Select down button
3. MODE selection button
4. Mute
5. Multimedia volume decrease button
6. Multimedia volume increase button

Steering wheel button on the right side

1. Up button
2. Down button
3. OK button
4. Return button

Interior light adjustment

Front interior light

Basic type

1. Door control mode
2. Front-row interior light off mode
3. Front-row interior light on mode

Luxury Version

1. Left interior light switch
2. Right interior light switch
3. Interior light off switch
4. Door control switch
5. Interior light on switch

Door control switch operation

When the light control switch is in the middle position, it is operated by the door. The interior lights will turn on or off as the car doors open and close.

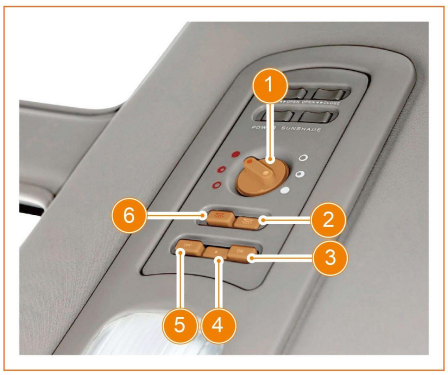
Middle-row interior light

Basic model

1. Middle-row interior lighting mode
2. Middle-row interior light off mode
3. Door-activated mode

When the switch is set to the door control mode, it is operated by the door. The Middle-row interior light will turn on or off as the car doors open and close.

Luxury Version



1. Middle-row interior light adjustment knob
2. Middle-row interior light (white) mode switch
3. Middle-row interior light on switch
4. Door control mode switch
5. Middle-row interior light off switch
6. Middle-row interior light color mode switch

When the middle-row interior light switch is set to door control mode, it is operated by the door. The Middle-row interior light will turn on or off as the car doors open and close.

When the middle-row interior light switch is set to the "white" mode, the interior light source will emit a white glow. The brightness of the light can be adjusted using the knob.

When the middle-row interior light switch is set to the "color" mode, the interior light source will emit a colorful glow. The color of the light source can be selected as blue, red or green using the knob.

Rear-row interior light *

1. Rear-row interior lighting mode

2. Rear-row interior light off mode

3. Door-activated mode

When the switch is set to the door control mode, it is operated by the door. Rear-row interior light will turn on or off as the car doors open and close.

Caution

If the interior lights stays on after turning off the engine, the battery may run out. Therefore, before leaving the vehicle, make sure that all interior lights are off. In case you forget to turn off the interior lights, the vehicle is equipped with an interior light power protection feature. Regardless of the position of the interior light switch, the power supply will be cut off after the vehicle has been parked for a while to prevent battery run out. To reactivate the interior lights, simply open and close a door or toggle the ignition switch.

Rearview Mirror Adjustment

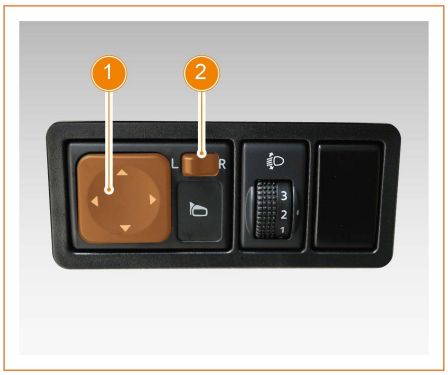
Please keep the rearview mirror clean. Before driving, adjust the rearview mirror to the best viewing angle.

Exterior side mirror

Manual adjustment of exterior rearview mirror

You can manually push the mirror to adjust the external rearview mirror to the optimal viewing angle.

Electric adjustment of exterior rearview mirror *



1. Mirror adjustment switch

2. Left/right rearview mirror selector switch

The left-right rearview mirror switch allows selection of the corresponding side mirror for angle adjustment. The mirror adjustment switch can position the external rearview mirror at the optimal viewing angle.

Exterior rearview mirror folding

Push the exterior rearview mirror inward or outward to manually fold or unfold it.

Exterior Rearview Mirror Heating*

The rearview mirror heating and defrosting device can remove fog from the exterior rearview mirrors. Before activating the defrosting switch, it is necessary to clear any snow accumulation on the mirror surface. After starting the engine, press the rear defrost button on the A/C control panel will turn the defrosting device on or off. The indicator in the button is on, indicating that the defroster is working. The defrosting device will automatically turn off after being activated for 10 to 20 minutes. The defrosting device will also turn off after the vehicle is shut down. When restarting the engine, the defrosting device needs to be reactivated.

Only rearview mirrors with a heating symbol on the lens are equipped with heating defrost functionality. The defrosting system becomes fully effective approximately 7 minutes after activation.

Interior rearview mirror *

The interior rearview mirror is fixed on the front windshield. You can adjust the angle of the interior rearview mirror to achieve your desired position.

Mechanical Anti-dazzling Interior Rearview Mirror

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

Seat

Headrest Adjustment

Adjust the height of the headrest so that its top is not lower than the driver's head. This position helps minimize the risk of neck injury in the event of a collision.

Adjustment of front seat headrest

Adjustment of Second-row Seat Headrest*

Adjustment of Third-row Seat Headrest*

Adjustment of Fourth-row Seat Headrest*

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. This indicates that the headrest is locked in position.

Front Seat

Manual adjustment of driver seat (four directions)

Manual adjustment of driver seat (six directions)

1. Seat forward-backward adjustment pull rod

2. Backrest angle adjustment handle

3. Seat height adjusting handle

Seat forward/backward adjustment

Grasp the center section of the adjustment lever 1 and lift it upward to allow the seat to slide back and forth. Move the seat to the desired position and then release the adjustment lever. Move the seat back and forth to ensure it is locked securely in place.

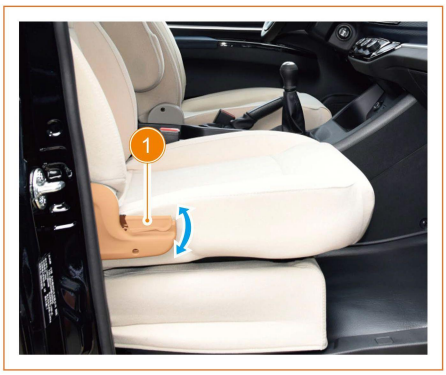
Backrest angle adjustment

When adjusting the backrest angle, first sit on the seat, and lift the backrest adjustment handle 2 to unlock the backrest. Slightly lean your back away or press it back to tilt the backrest forward or backward to the desired position. Then, lower the backrest adjustment handle 2 and move the backrest back and forth to confirm it is securely locked.

Seat height adjustment

Firstly, the driver sit on the seat to adjust the seat height by lifting up or gently pressing down the adjustment handle 3. Once the seat is at the desired height, release handle 3 and rock the seat from side to side to ensure it is securely locked in place.

Manual adjustment of front passenger seat (two directions)



Manual adjustment of front passenger seat (four directions)

1. Backrest angle adjustment handle

2. Seat forward/backward adjustment pull rod

The adjustment method for the front passenger seat is the same as that of the driver's four-way seat for forward/backward and backrest angle adjustments.

Second-row Seat *

Two-person bench Seat Type 1

1. Backrest adjustment handle

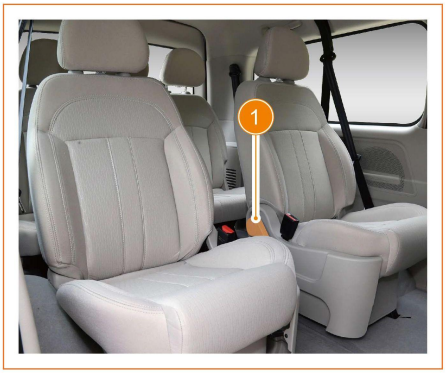
To adjust the backrest angle, pull the backrest adjustment handle and simultaneously push the backrest forward to fold it. This seat type cannot be moved forward or backward.

Two-person bench seat type 2

1. Seat backrest folding lever

Lift up the backrest folding lever to lower the backrest. This seat type cannot move forward or backward, and the backrest cannot be adjusted forward or backward.

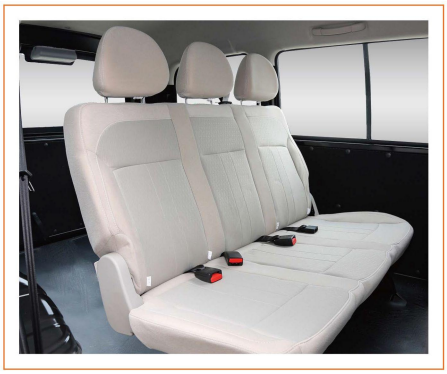
1+1 seat type



1. Backrest adjustment handle

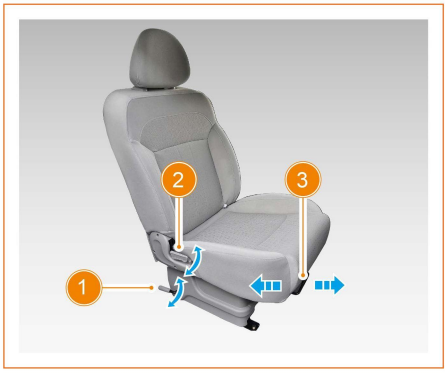
Pull the backrest adjustment handle to modify the backrest angle. This type of seat cannot move forward or backward.

Triple-seat



The backrest angle of this seat is fixed and can only be folded forward. The folding method is the same as that of adjustment type 1 for the second-row seats.

1+1 short slide rail



1. Overall seat folding handle

2. Backrest angle adjustment handle

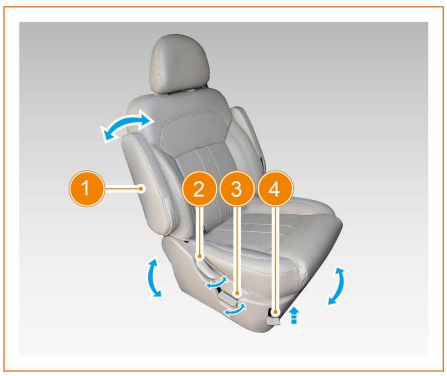
3. Seat forward/backward adjustment pull rod

The method to adjust the seat forward/backward and backrest angle of this seat is the same as that of the driver's four-way seat.

Overall seat folding

Lift the backrest angle adjustment handle to lay down the seat backrest, then raise the overall seat folding handle to fold the seat entirely.

1+1 long slide rail



1. Seat armrest

2. Backrest angle adjustment handle

3. Seat forward/backward adjustment handle

4. Seat rotation adjustment handle

Handrail angle adjuster

The armrests of the middle row seats are located on both sides. Gently lower the armrests to a comfortable position and lock them in place.

Backrest angle adjustment

The adjustment method is the same as

the driver seat backrest angle adjustment method.

Seat forward/backward adjustment

Raise the seat forward/backward adjustment handle to slide the seat forward or backward. Once in the desired position, release the adjustment handle. Move the seat back and forth to ensure it is locked securely in place.

Seat rotation adjustment

Raise the seat rotation adjustment handle to slide the seat side to side. Once in the desired position, release the adjustment handle. Rock the seat from side to side to ensure it is securely locked in place.

Third-row Seat *

5/5 (Folding)

The rear seat consists of the rear left seat and the rear right seat, which are capable of backrest folding to enlarge the trunk space, so that it will be easier to keep big-sized objects.

1. Pull the seat backrest folding lever to unlock the backrest, and gently fold it forward to lay down the seat.

2. Pull the rope beneath the seat to unlock and fold the seat sidewards. After folding, secure the seat with the fixing buckle locked onto the interior handle.

Turning back the rear-row seat backrest

Release the fixing buckle of the side seat. Once the seat is laid flat, lift the backrest and firmly push it backward to lock it in place.

5/5 (New flat arrangement)

1. Backrest adjustment handle

Pull the backrest adjustment handle to unlock the seat backrest. Adjust its front and rear angle and then gently tilt the backrest backward to lay it flat. This seat type cannot move forward or backward.

Triple Seating Adjustment

1. Backrest adjustment handle

Pull the backrest adjustment handle to unlock the seat backrest. Adjust its front and rear angle and then gently tilt the backrest backward to lay it flat. This seat type cannot move forward or backward.

Two-person bench seat

1. Backrest folding lever

This is a 2-person bench seat for the 9-seat model. To adjust the backrest angle, pull the backrest adjustment handle and simultaneously push the backrest forward to fold it. This seat cannot be moved forward or backward.

Fourth-row Seats*

1. Backrest folding lever

To fold the backrest forward, pull up the folding lever while pushing the seat forward. The angle of this seat backrest is not adjustable.

Caution

- 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 be out of its protective role in an emergency.

A/C System

Front Air Outlet

1. Side windshield defogging air outlet
2. Front windshield defogging air outlet
3. Right air outlet
4. Front footwell air outlet
5. Central air outlet
6. Left air outlet

Central air outlet *

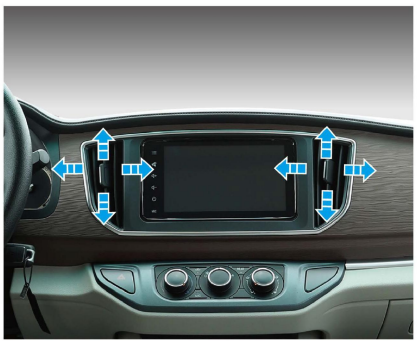
Floor rear A/C

1. Middle−row head air outlet
2. Middle−row footwell air outlet

Roof-mounted rear A/C

1. Middle–row head air outlet

Adjustment of airflow and direction

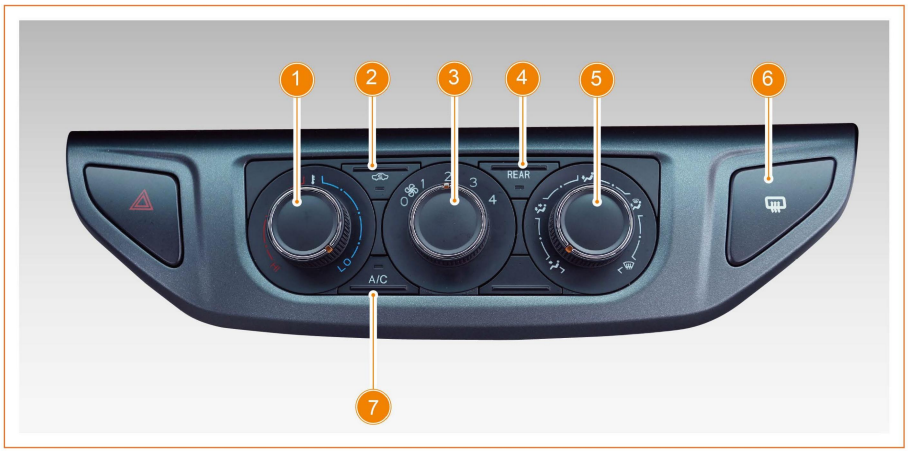


The central air outlet can be adjusted by adjusting the direction of the grille up and down, left and right, thus altering the direction of the air outlet. The airflow volume can also be closed by adjusting the blades.

The air outlet on the left and right sides can be adjusted up and down, as well as left and right, to direct the airflow. Turn the roller up or down to adjust the airflow volume, decreasing it by moving downward and increasing it by moving upward. You can also close the airflow by adjusting the blades.

Manual A/C Control

A/C Button on the Central Control Panel



1. Temperature adjustment knob
2. Internal/external circulation switch button
3. Air volume adjustment knob
4. Rear A/C switch button *
5. Mode adjustment knob
6. Rear defrost button (rearview mirror heating)*
7. A/C button

Description of A/C control system button

Temperature adjustment knob

This knob adjusts the interior temperature of the vehicle. Rotate the knob counterclockwise, toward the red arc, to raise the vehicle's interior temperature. Rotate the knob clockwise, toward the blue arc, to decrease the vehicle's interior temperature. To use the A/C ventilation function with the air conditioning system off, turn the temperature adjustment knob to the right end of the blue arc section and set the fan speed to the desired level.

Internal and external circulation switch key

Press this switch to manually switch between internal and external circulation modes.

Caution

Frequent use of the internal circulation mode might lead to condensation forming fog on the side windows and front windshield, causing discomfort from a lack of fresh air in the cabin. Therefore, generally, the A/C system should be set to external circulation mode. When driving through areas with smoke and dust, switch to the internal circulation mode and then switch back to external circulation mode.

Air volume adjustment knob

This knob is used to adjust the air volume at the air outlet. Turn the knob clockwise to increase fan speed. Turn the knob counterclockwise to reduce fan speed.

Rear A/C switch button*

Press this switch to power on the rear A/C and rear heater. At this point, you can adjust the air volume of the rear A/C and heater using the air volume adjustment knob.

Mode adjustment knob

Rotate this knob to select the direction of the airflow.

: The airflow comes from the central air outlet, and both the left and right outlets.

: The airflow is split into two parts, coming out from both the central outlet and the footwell outlet.

: The airflow primarily comes from the footwell air outlet, with some flow from the front side windshield defogging air outlet and the left/right air outlets.

: Air flows out from the footwell air outlet, front side windshield defogging air outlet, and left/right air outlets.

: The airflow primarily comes from the front windshield defogging outlet, with some flow from the left and right air outlets.

Caution

When the outside temperature exceeds zero degrees Celsius, to quickly clear the fog on the interior window surface, select the mode and external circulation mode, adjust the airflow knob to the maximum speed, press the A/C button and set the temperature knob to the position that you feel comfortable.

Rear defrost button (rearview mirror heating)*

The rear windshield defroster can removes fog, frost, and thin ice from the rear window. Press this button to turn the defroster on or off. When the button light is on, it indicates that the defroster is active. The defroster will automatically turn off after 10 to 20 minutes. When the ignition switch is off, the defroster will also turn off. When restarting the engine, the defrosting device needs to be reactivated.

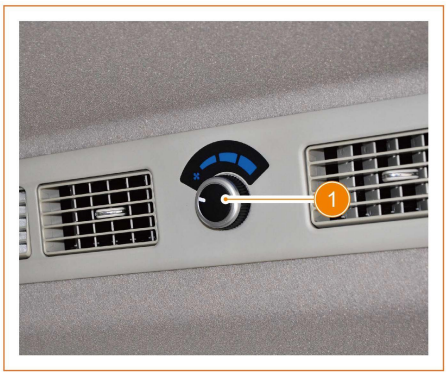
A/C button

Press this button to activate the A/C system and the button indicator light will illuminate at the same time. Press the button again to deactivate the A/C system and the button indicator light will go out.

Rear A/C button *

Floor rear A/C

Roof-mounted rear A/C



1. Rear A/C air volume adjustment knob

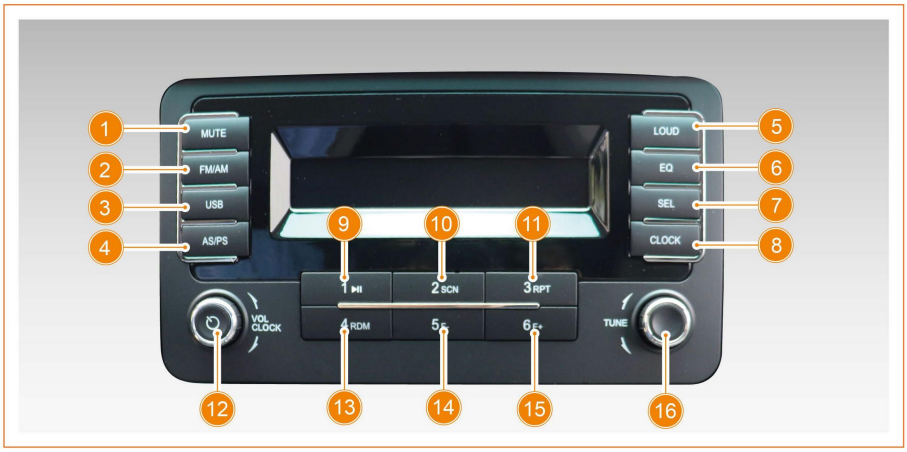
: Turning the knob to this position will switch off the A/C.

Turn the knob clockwise to positions 1 → 2 → 3, allowing airflow from the air outlet at the top end of the auxiliary instrument's rear cover and increasing airspeed accordingly. Rotate the knob counterclockwise to decrease the airspeed gradually until it shuts off.

Multimedia Control

Multimedia display

Type I



1. MENU button
2. Band switch button(FM/AM)
3. USB music function switch button
4. Browse/search (radio) button
5. Sound effect and loudness control button
6. Sound effect control button
7. Setting button
8. Clock adjusting button
9. Numeric button 1▶II
10. Numeric button 2 SCN
11. Numeric button 3 RPT
12. Power/volume control/clock knob
13. Numeric button 4/RDM
14. Numeric button 5/F-
15. Numeric button 6/F+
16. TUNE knob

Type II

1. MENU button
2. Mute
3. Sound volume up
4. Volume down button
5. Screen lock/off button

Safety Precautions

Thank you for purchasing this product! Please read the precautions carefully for the safe and correct use of this product.

This manual is for reference only, the actual product shall prevail. Specifications and designs are subject to change for technical improvements without prior notice!

Caution: When using this product, please be aware of the following items: Adjust the volume to a level where you can hear external sounds while driving. Otherwise, an accident may ensue.

When operating the audio system while driving, please pay full attention not to affect safe driving; otherwise, it may affect driving and lead to an accident. Do not use this device for purposes other than vehicle-mounted; otherwise, injury or electric shock may be caused. Do not continue to use the audio system in a fault state. In case of any smoke, abnormal sound or peculiar smell, please turn off the audio power supply immediately.

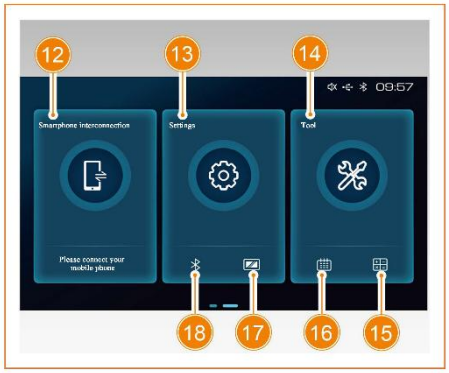
When the temperature inside the vehicle is high, please cool it down before using. Using this device under high temperature may cause malfunction. Do not press hard on the screen. Otherwise, a malfunction will occur.

The driver should refrain from operating the device while the vehicle is in motion. If necessary, please park the vehicle in a safe place before operating. Do not look at the screen of this device while driving, as doing so you may ignore the situation ahead, leading to a traffic accident.

Avoid prolonged use of this device with the engine off, as it will lead to battery power loss. Do not disassemble or modify this device, otherwise accidents such as fire and electric shock may ensue. Do not use it when the screen is unable to display images or the audio fails to play, as this may result in accidents, fire, or electric shock.

In the event of any foreign matter, water splashing, smoke, or unpleasant smell, please stop using it immediately. Otherwise, accidents such as fire and electric shock may ensue.

Main Menu and Shortcut Buttons



Turn on the device to enter the main interface. Swipe left or right to select the desired function. The interface includes functions such as multimedia, radio, phone, smartphone interconnection, settings, and tools.

1. Click to enter the multimedia interface.

2. Click to enter the radio interface.

3. Click to enter the Bluetooth phone interface.

4. Call records: Click to swiftly enter the call records interface.

5. Contacts: Click to enter the contacts interface.

6. Next radio station: Click this to automatically search for the radio station frequency in the high frequency band and stop at the effective radio station for automatic play.

7. Play or pause the radio.

8. Previous radio station: click this to automatically search for the radio station frequency in the lower frequency band and stop at the effective radio station for automatic play.

9. Play the next track.

10. Music play pause.

11. Play the previous track.

12. Click to enter the smartphone interconnection interface.

13. Click to enter the setting interface.

14. Click to enter the tools interface.

15. Calculator: Click to quickly enter the calculator interface.

16. Perpetual calendar: Click to swiftly enter the perpetual calendar interface.

17. Screen off: In the ON state, lightly touch the [Screen Off] icon within the settings menu to activate the standby clock. Press any key to reactivate the display.

18. Bluetooth setting: Click to enter the Bluetooth setting interface.

Drop-down Menu

The drop-down menu is used to quickly modify some system states such as standby mode, Bluetooth on/off, and adjustments for multimedia and phone volume as well as brightness.

1. Standby shortcut button
2. Bluetooth connection shortcut button
3. Volume shortcut button
4. Brightness setting shortcut button

Caution

- The drop-down menu is not available in the smartphone interconnection application.
- The drop-down menu is not available during full-screen play of video and image applications.

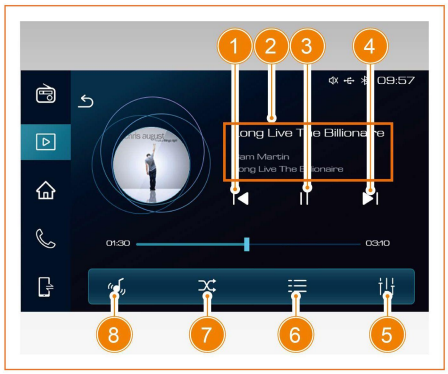
Shortcut Button

When not in the main interface, there are shortcut buttons on the left navigation bar, allowing quick access to the radio, multimedia, main interface, telephone, and mobile phone interconnection interfaces by touch.

1. Radio shortcut button
2. Multimedia shortcut button
3. Main interface shortcut button
4. Phone shortcut button
5. Smartphone interconnection shortcut button

Multimedia

USB music mode



Upon inserting a USB device, the system automatically detects the device and enters the USB music interface, beginning play automatically. Supported the following audio formats: MP3, WMA, AAC.

1. Previous track: Click to switch and play the previous track.

2. Song information: Displays the current song details including name, artist, and album. ID3 information supports display in both Chinese and English. If the file name is longer than the display area, scrolling display is supported.

3. Play/pause.

4. Next track: Click to switch and play the next track.

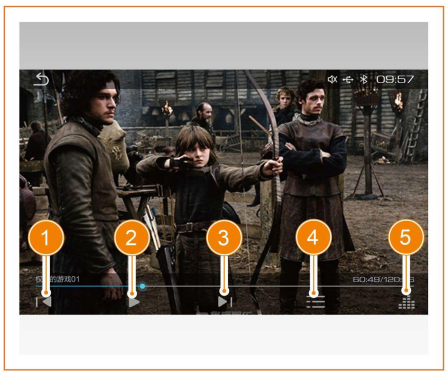
5. Sound effect setting: Click to enter the sound effect settings.

6. Playlist: Click to enter the playlist.

7. Play mode: The switching sequence is sequential play (loop play) => shuffle play =>single loop => folder loop. The default is sequential play (loop play).

8. Audio source switching: Switch among radio, USB music, and Bluetooth music.

USB video mode



Supported the following video formats: MPG, MOV, ASF, AVI, MP4, WMV, VOB, MKV, FLV, RM, RMVB.

1. Previous video: Click the SK [Previous Video] button to switch and play the previous video.

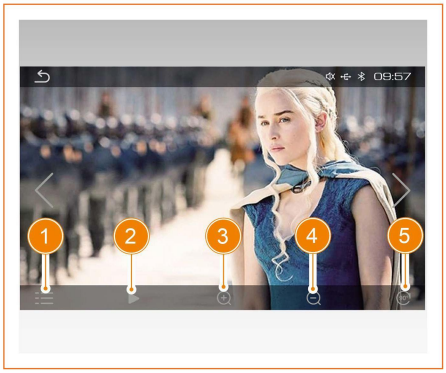
2. Play/pause.

3. Next video: Click the SK [Next Video] button to switch and play the next video.

4. Video list: Click the list to pop up the media list.

5. Sound effect setting: Click to enter the sound effect settings.

USB Picture Mode



Supported the following picture formats: jpg, bmp, and png.

1. Picture list: List mode.

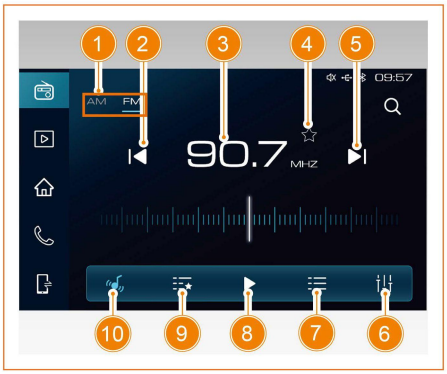
2. Play/Pause: Click the SK [Play] button to enter slide show mode. Each picture is displayed for 5 seconds before automatically switching to the next one. The slide show concludes and stops at the last picture (the current picture it the first one) with the button showing Pause.

3. Zoom in: Click the SK [Picture Zoom-In] button to gradually zoom in the image display. The maximum zoom-in ratio is 4x.

4. Zoom out: Zoom out the image to its minimum size.

5. Rotate: Click this button to rotate the picture by 90° each time.

Radio



The radio status, including band and frequency, is updated in real-time on this interface. The FM/AM band switch button interface will show the currently playing band. For instance, if you're currently tuned to an FM station, the "FM" band button will be highlighted.

1. Band switching: Click SK [Band Switching] on the radio's main interface to switch between FM and AM bands.

2. Previous station: Click to search for the previous available station.

3. Display of current frequency.

4. Favorites: Click to add or remove from favorites. There is no limit to the number of favorite stations.

5. Next station: Click to search for the next effective radio station.

6. Sound effect setting: Click to enter sound effect setting.

7. Radio station list: Click to enter the radio station list. FM and AM have separate radio station list, with no limit on the total number. In radio mode, click the SK [Radio Station List] soft button to enter the saved station list interface, displaying previously stored stations. If entering for the first time, the list will be empty.

8. Play/Stop: Click to play or stop play.

9. Favorites list: Click to enter the favorites list.

10. Audio source switch: Click to switch audio sources.

Bluetooth Phone

There are two ways to enter the phone interface: click the [Phone] button on the main interface or click [Phone] in the pop-up shortcut bar on the left side of the screen.

1. Dial pad: Enter a number to make a call.

2. Call records: Displays the call records of the currently connected mobile phone.

3. Call records button: Click to display the call records interface.

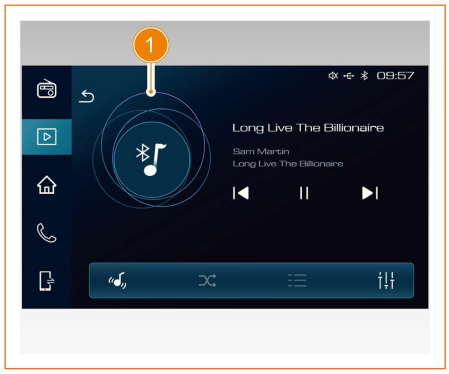
4. Contacts: Click to enter the contacts interface.

5. Numeric button: Click to display the dialing interface.

Caution

- Before pairing, ensure that Bluetooth is turned on.
- Since mobile phone models vary, the prompt messages returned by paired phones may differ.

Bluetooth music



After a successful Bluetooth connection, you can play music via Bluetooth.

1. Bluetooth music default icon

Caution

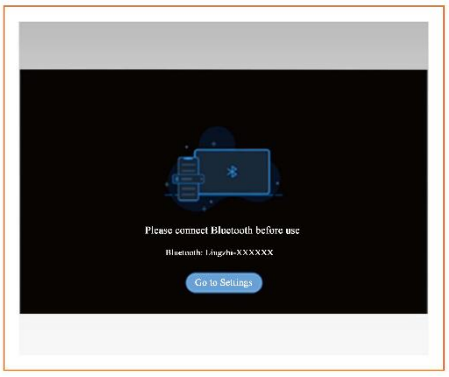
The operation of other buttons is the same as USB music.

Smartphone Interconnection

Activate the smartphone interconnection application. If the USB is not connected, the screen will display "Please connect the phone with a USB cable" and wait for the USB cable to be plugged into the phone.

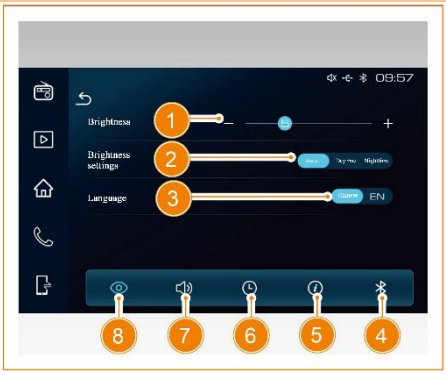
Caution

The smartphone interconnection feature of the current in-vehicle infotainment system is only compatible with certain mobile phones on Android 9.0 or earlier versions.



Once the USB connection is successful, you will need to connect via Bluetooth. After the Bluetooth connection is successful, you can enter the smartphone interconnection interface.

Settings



Click [Settings] on the main interface to enter the settings interface, then click the corresponding icon to enter the respective interface.

1. Brightness adjustment: Adjust the brightness from 0 to 10.

2. Brightness setting: Switch between automatic mode, daytime mode, and night mode.

3. Language setting: Chinese/English.

4. Bluetooth setting: Click to enter the Bluetooth setting interface.

5. System information: Click to enter the system information display interface.

6. Time and date setting: Click to enter the time and date settings.

7. Sound setting: Click to enter the sound settings.

8. Display setting: Click to enter the display settings.

Sound

1. Multimedia volume setting: 0–30.

2. Phone volume setting: 0–10.

3. Button tone setting: Off/On.

4. Audio effects and sound field settings: Click to enter the audio effects and sound field settings interface.

Time

1. Time and date settings: You can set the time and date.

2. Time format: 12-hour/24-hour.

System Settings

1. System information: Displays the current system information.

2. Factory reset: Click to restore factory settings.

Bluetooth Settings

Click "Settings" on the main interface to enter the Bluetooth settings interface, which mainly includes three options: Bluetooth on/off, auto answer, and auto connection.

1. Displays the current device name and address.

2. Pairing list.

3. Mobile phone Bluetooth connection status: Displays the currently connected phone, indicating that it is connected.

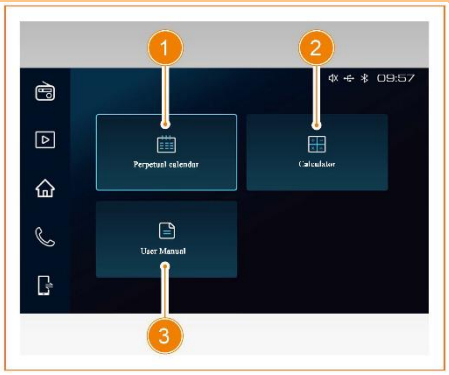
4. Delete: Click to remove the paired device. Caution: If there are devices already connected in the list, disconnect them first before attempting to delete.

5. Automatic Connection Switch: With automatic connection set to ON and Bluetooth enabled, the IVI system will automatically connect to the last paired device upon each start-up.

6. Automatic Answering Switch: The automatic answering switch is set to OFF by default. When automatic answering is enabled, the system will automatically pick up incoming calls from external devices after ringing for 5 seconds once the Bluetooth connection is successful.

7. Bluetooth Switch: The Bluetooth is on by default. When the Bluetooth switch is off, the automatic answering and automatic connection options are disabled and cannot be operated.

Tool



The tool interface includes a perpetual calendar, calculator, and manual. Click the corresponding icon to enter the respective interface.

1. Perpetual Calendar: Click to enter the perpetual calendar interface.

2. Calculator: Click to enter the calculator interface.

3. Manual: Click to view the manual.

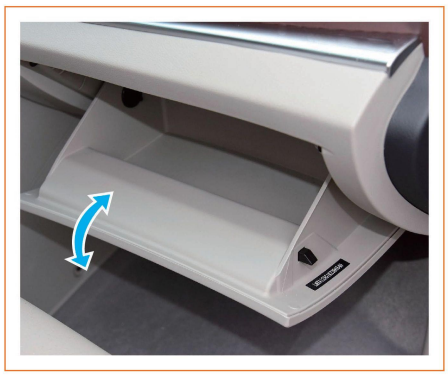
Sun Visor

Turn over the sun visor downward to block the glare ahead. To block strong light from the side, first detach the side support rod from the clip, and then rotate the sun visor to the side.

Vanity Mirror

A vanity mirror is located on the sun visor on the front passenger side. To use, simply lower the sun visor.

Storage Compartment

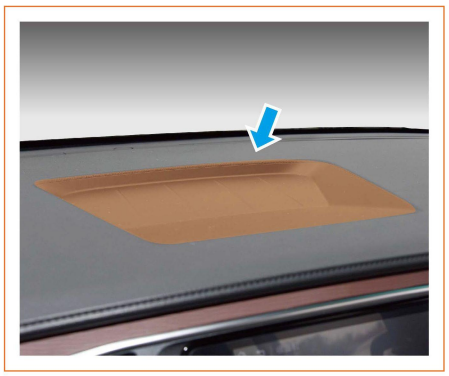


To open the storage compartment, pull the handle on the cover; to close it, push it firmly upwards.

Storage Boxes on Doors

Storage boxes are designed on the interior trim panels of the front doors, where small items can be placed.

Storage Compartment on Instrument Panel



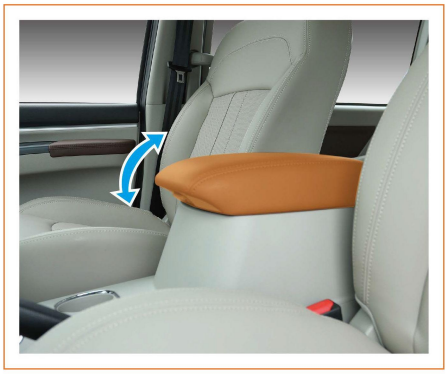
The instrument above the multimedia display features a recessed storage tray, suitable for placing small items like documents.

Front-row Storage Compartment

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

Central Storage Box

Armrest style



Simply flip up the central storage box lid to access it.

Without a lid

This type is lidless and can be used directly.

The central storage box accommodates items like bottled water.

Middle row storage slot*

Single slot type

Double slot type

Located behind the secondary instrument, the middle row storage compartment is perfect for small items such as mobile phones.

Middle Left Side Panel Storage Slot*

The middle left side panel features a storage slot, convenient for storing items such as mobile phones during travel.

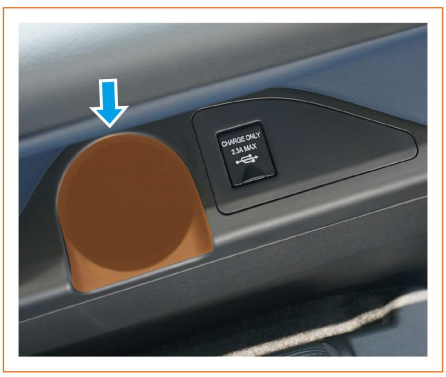
Front-row Cup Holder*

The front seat cup holder inside the vehicle can accommodate teacups, beverage bottles, and other items.

Middle Left Side Cup Holder*

The central left side of the surround has a cup holder designed to hold tea cups, beverage bottles, and other items for easy use during travel.

Rear Side Panel Cup Holder*



The rear side of the surround has a cup holder designed to hold tea cups, beverage bottles, and other items for easy use during travel.

Caution

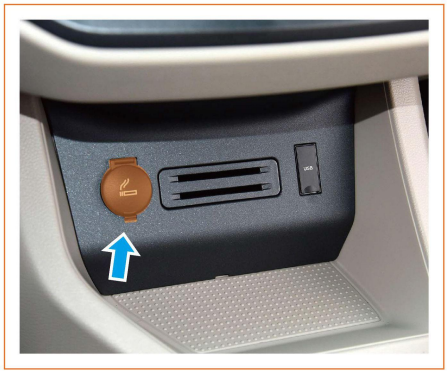
Ensure that the cup lid is securely fastened when using the cup holder to prevent spills from vehicle movement.

Slot *

There is a card slot located underneath the auxiliary instrument for storing IC cards such as fuel and access cards.

A card slot is positioned on the right side of the gear lever to accommodate mobile phones, IC cards, and other items.

Cigarette Lighter *



The cigarette lighter is positioned above the front storage compartment of the auxiliary instrument. The cigarette lighter operates only when the ignition switch is in

the "ACC" or "ON" position. To use the cigarette lighter, insert it; it will automatically pop out with a "click" when heated to readiness. Avoid holding down the cigarette lighter during heating to prevent it from overheating.

Caution

- Avoid removing the cigarette lighter from the socket under normal conditions to prevent a short circuit due to plug by foreign matter.
- Do not obstruct the cigarette lighter with foreign matter to prevent a fire.
- Ensure that children do not use or tamper with the cigarette lighter to prevent fire hazards.
- Do not insert cigarette lighters removed from other vehicles. This is to prevent the cigarette lighter from overheating and causing a fire.

USB Interface

Front USB Interfaces

The front USB charging port is located above the front storage compartment. Simply open its cover to use it. It can only work when the ignition switch is at "ON" or "ACC" position.

Front-row Interior Light USB Port*

A USB port is equipped on the upper part of the front interior light for use.

Left and Right Side Wall USB Ports*

USB ports are available on the left and right side walls of the vehicle for mobile phone charging.

Caution

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

12V On-board Power Supply

The 12V on-board power supply can work only when the ignition switch is turned to "ON" or "ACC" position.

Front Vehicle-mounted Power Supply

The front vehicle-mounted power supply is located above the front storage compartment.

Trunk On-board Power Supply

A 12V power outlet is installed to the right side of the interior light above the trunk for use.

Caution

- When the 12V on-board power supply is not used, cover the dust cap 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 contact with the 12V on-board power supply to avoid electric shock.
- Do not insert metal foreign objects into the power interface to avoid fire caused by short circuit.
- 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.

Magazine Back of Seat Back*

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

Front Door Light*

The door light on the respective side illuminates when this door is opened and turns off once the door is closed.

Middle Door Step Light *

The step lamp for the center door lights up when the door is opened and turns off after it is closed.

Interior Handle

Front-row Passenger Side Grab Handle

Middle Right Door Handle*

Middle and Rear Passenger Handles*

This vehicle is fitted with interior handles on the front passenger side, middle right door, and on both sides of the middle and rear rows (available on select models), providing passengers a means to hold on and stabilize themselves.

Seat Belt

Driving precautions

Before driving the vehicle, please make sure to read the content of this chapter, which is familiarize yourself with the correct operation methods and precautions, enhancing your ability to drive safely.

Why should you wear a seat belt properly

Each passenger must wear their seat belt correctly while in the vehicle.

The SRS can only provide protection when you wear your seat belt, ensuring maximum safety for passengers in the event of unexpected accidents.

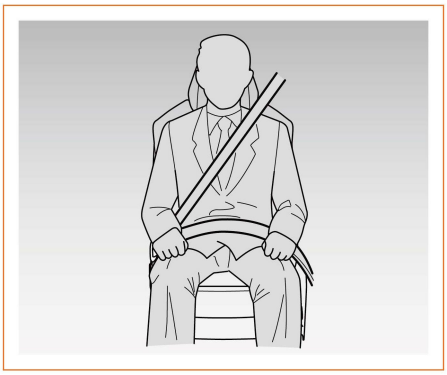
In case of an emergency braking under unexpected circumstances during driving, the driver and passengers can be restrained to the seat with the seat belts to avoid personnel rushing forward, thus protecting them from secondary collision injury.

If a child seat is installed, and the seat belt is not required, or if passengers are unable to wear seat belts, ensure the seat belt remains in its normal retracted state.

⚠Warning

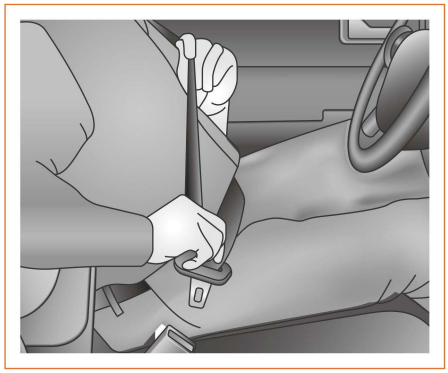
- Do not cross the seat belt across your lower abdomen. Otherwise, the seat belt will strongly press against your lower abdomen in case of an accident, increasing the risk of injury.
- Adjust the shoulder section of the seat belt to fit you best ensuring it is as tight as possible; otherwise, its effectiveness will decrease, increasing the risk of injury.
- 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 allowed only one seat belt. Do not hold a baby or child in your lap and secure a seat belt around them, as this could result in serious danger during an accident.

How to correctly wear a seat belt



Sit up straight and always put your feet on the front floor. The hip belt should be as low as possible and close to the buttock, and it shall contact the thigh. In the event of a collision accident, the hip belt can exert force on the stronger hip bone, and it will also reduce the possibility of you slipping under the hip belt. Sliding under the lap belt can cause it to press against your abdomen, potentially leading to severe injuries. The shoulder belt should be over the shoulders and across the chest. These parts of the body are best suited to withstand the restraining force of the seat belt. In case of emergency braking or a collision accident, the shoulder belt will be locked.

Three–point seat belt



All seating positions in the vehicle are equipped with three–point seat belts. To fasten the seat belt, pull out the seat belt from the retractor and insert the tongue into the lock catch until a "click" is heard to indicate that the seat belt has been securely locked. To unfasten the seat belt, simply press the button on the buckle.

Unfastened Seat Belt Alarm

Driver's seat belt reminder indicator light. When it is detected that the driver's seat belt in the vehicle is not fastened, the corresponding indicator light on the combination instrument will illuminate, and the buzzer will continue to alarm until the driver and passengers in the vehicle fasten the seat belt.

Seat belt retractor

Each seat belt is equipped with one retractor. During normal driving, the retractor makes the seat belt to have a certain tensile force; however, passengers can still move freely on their seats. In case of emergencies, the retractor will automatically tighten the seat belt so as to fix the passengers on their seats. 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. In case of abnormal locking function of the retractor, please contact an authorized service station of Dongfeng Forthing.

Maintenance of seat belt

To ensure safety, check the condition of the seat belt regularly.

Seat belts in poor condition or functioning abnormally will not provide good protection and shall be replaced as soon as possible.

Completely draw out each seat belt and check whether they have rupture or abrasion and check whether the metal parts have any cracks or deformation. If the seat belts have the above-mentioned flaws, they shall be replaced. If the seat belt has any of the aforementioned defects, it should be replaced.

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.

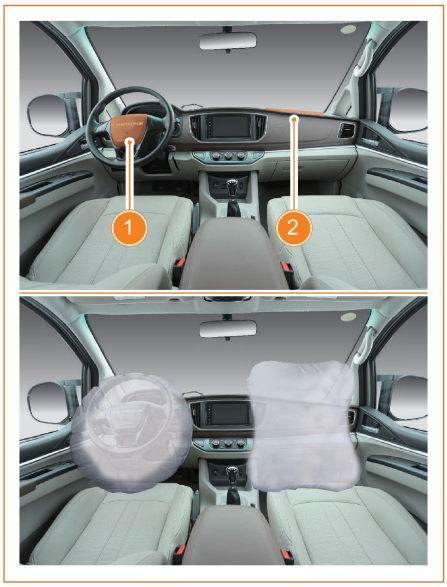
Airbag*

Brief Introduction

The Supplemental Restraint System (SRS) is an auxiliary restraint device of the seat belt. When the degree of front or side collision meets the deployment requirements of the airbag, the SRS will be inflated and deployed to reduce the impact injuries to the head and chest of the driver and passengers.

Airbag Position

Front airbag



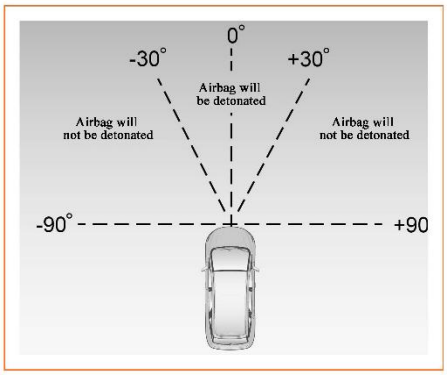
1. Driver seat airbag

2. Front passenger airbag

In the event of a frontal collision, the airbags protect the driver's and front passenger's head, face, and chest.

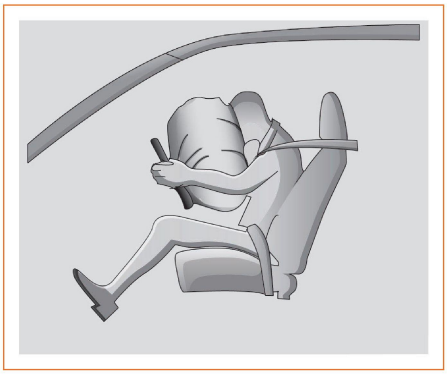
Deployment Condition of Front Airbag

The front airbags are deployed when the vehicle collides with a solid wall at a speed of 25 km/h or more.



The front airbag deploys in case of a severe impact within the included angle of ± 30° from the front of the vehicle.

How Airbag System Works



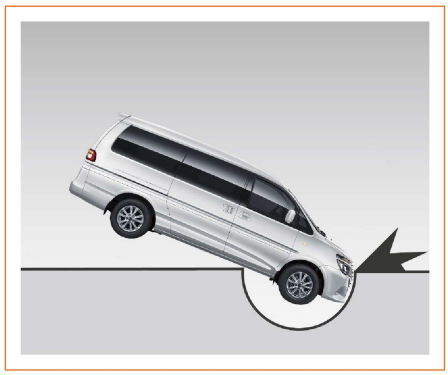
In case of a severe collision, the airbag control unit monitors the deceleration caused by the collision and determines whether the airbag should be deployed. If the conditions for airbag deployment are met, the airbag will quickly deploy, providing additional protection for the heads and chests of the driver and passengers, alongside the seat belts, to reduce injuries.

Conditions under which front airbags may not deploy

Vehicles that do not start.

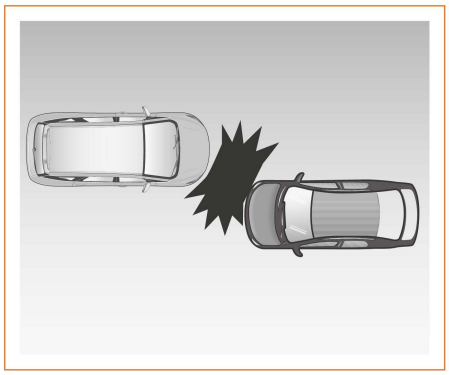
The vehicle collides with easily deformable objects such as trees.

The vehicle collides violently with low objects such as steps during driving.



When the vehicle suddenly falls into a deep pit or ditch.

When the vehicle collides with the rear of a truck.



The vehicle collides with a stationary vehicle of the same weight.

When the impact direction and impact point deviate from the center of the vehicle by more than 30° .

Rollover.

Side collision, rear collision, slight frontal collision.

The airbag system is faulty.

Other special circumstances.

How airbag indicator light works

Before driving, put the ignition switch to "ON" position. The SRS will perform self-inspection and the airbag MIL will illuminate and then turn off a few seconds later.

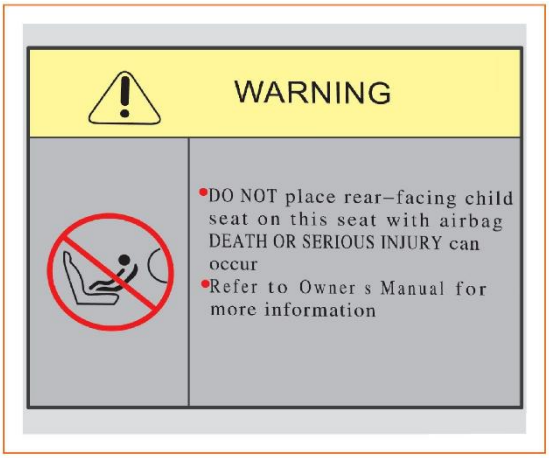
In case of the following situations, please contact an authorized service station of Dongfeng Forthing:

When the ignition switch is turned to the “ON" position, the airbag indicator light does not illuminate.

After the engine is started, the airbag indicator light remains on.

The airbag indicator light illuminates or flashes when the vehicle is running.

Dangers of Airbags to Children



There is an airbag warning label on the front passenger sun visor. Do not place a rear-facing child safety seat on a seat protected by the airbag (activated). In a collision, the inflated front airbag will impact the child with great force and cause serious injury.

Precautions for use of airbag

The airbag may rapidly inflate in case of a severe frontal impact, and it may also deploy in response to other types of impacts similar to a severe frontal collision. In some frontal collisions, the airbag might not deploy. The extent of vehicle damage—or lack thereof—does not determine whether

the front airbag will deploy.

After the airbag is deployed, it reaches high temperatures. Do not touch it. The inflation process is noisy and may potentially impact hearing. Smoke is released during deployment; please rinse any exposed skin with warm water and soap afterwards to prevent irritation.

Event Data Recorder (EDR)

The vehicle is equipped with an event data recorder system (EDR), and the recorded data can be used for collision accident analysis. See the following table for specific parameters:

S/N	Parameter Name	Meaning	Unit
1	Longitudinal delta-V	It is the change in longitudinal speed of the vehicle.	km/h
2	Maximum recorded delta-V, longitudinal	Maximum cumulative change in longitudinal vehicle speed.	km/h
3	Maximum recorded longitudinal Delta-V time	The time when the maximum cumulative change in longitudinal vehicle speed is reached.	ms
4	Clipping flag	It indicates the time point when the EDR acquisition acceleration (horizontal and longitudinal) reaches the sensor range for the first time.	ms
5	Vehicle speed	Wheel linear speed	km/h
6	Service brake, on/off	Used to detect whether the driver has depressed the brake pedal	/
7	Driver's seat belt status	Status of driver seat belt buckle switch	/
8	Percentage of actual position of accelerator pedal to its fully-pressed position	The percentage of the actual position of the accelerator pedal relative to the fully depressed position by the driver	
9	Revolutions per minute	Revolutions per minute of main crankshaft of the vehicle's engine.	r/min
10	Power-on cycle during the event	Number of power cycles of the ECU for recording EDR data from the first service time of the ECU to the event occurrence time.	Cycle
11	Power on cycle when reading	Number of power cycles of the ECU for recording EDR data from the first service time of the ECU to the data reading time.	Cycle
12	Complete status of event data record	Whether the event is completely recorded.	/
13	Time interval between current event and previous event	Time interval between two events.	s
14	Vehicle Identification Number (VIN)	Vehicle identification number (VIN)	/
15	Hardware number of ECU for recording EDR data	Hardware number of the EDR device.	/
16	Serial number of ECU for recording EDR data	Product serial number of the EDR device.	/
17	Software number of ECU for recording EDR data	Software number of the EDR device.	/

The vehicle's Event Data Recorder (EDR) is integrated into the airbag controller. Data can be retrieved using special diagnostic equipment at authorized

Dongfeng Forthing service stations. For detailed extraction procedures, refer to the vehicle's specific SRS maintenance manual.

The speed data recorded by the vehicle's Event Data Recorder System (EDR) is derived from the wheel speed provided by the vehicle's Anti-lock Braking System (ABS).

The data recorded by the vehicle's Event Data Recorder System (EDR) is categorized into unlocked 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. The unlocked event data overwrites the previous unlocked event data in chronological order; the locked event data cannot be overwritten by the data of subsequent events, and a total of three event data can be recorded.

Children Protection Measures

Safety instructions for children

When a child is in the vehicle, please be sure to read this chapter.

This chapter provides essential overviews and detailed guidance on the safety of infants, young children, and older children.

To ensure optimal child protection, safety devices should always be installed when infants, toddlers, or older children are passengers.

If a child is too young to wear the seat belt, he/she shall be placed in a rear approved child restraint system.

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

Utilize the child safety lock and never leave children unattended in the vehicle.

Protective measures for infants

A child under 1 year old (a baby) has a tender neck. If the baby faces the front, its neck is likely to be hurt in case of a front collision. Therefore, it is recommended to adopt the rear-facing child restraints.

Protective measures for young children

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

Protective measures for older children

It is recommended that all children under 12 years of age shall be seated in the rear seat and protected. If the seat belt does not fit properly, a booster cushion can be installed in the rear seat for children.

Child restraint system

In addition to three-point seat belts for children protection, the middle-row seats also provide child restraint system with two standard "ISOFIX" interfaces, and appropriate child restraint system can be selected as required.

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

Mass Group	Seating Position					
	Front passenger	Middle row left	Middle row right	Rear row left	Rear row middle	Rear row right
Group 0（less than 10 KG）	X	U	U	X	X	X
Group 0+（less than 13 KG）	X	U	U	X	X	X
Group I（9 KG to 18 KG）	X	U	U	X	X	X
Group II（15 KG to 25 KG）	X	U	U	X	X	X
Group III　(22Kg to 36Kg)	X	U	U	X	X	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 the ″ISOFIX″ child restraint system is adopted, the adaptability information of the system and the vehicle is shown in the table below.

Mass Group	Size category	Fixing module	ISOFIX Position in Vehicle			
			Front passenger	Middle row left	Middle row right	Rear seats
Carrycot	F	ISO/L1	X	X	X	X
	G	ISO/L2	X	X	X	X
		(1)	X	X	X	X
Group 0 (less than 10 KG)	E	ISO/R1	X	X	X	X
		(1)	X	X	X	X
Group 0+ (<13 kg)	E	ISO/R1	X	X	X	X
	D	ISO/R2	X	X	X	X
	C	ISO/R3	X	X	X	X
		(1)	X	X	X	X
Group I (9Kg to 18Kg)	D	ISO/R2	X	X	X	X
	C	ISO/R3	X	X	X	X
	B	ISO/F2	X	IUF	IUF	X
	B1	ISO/F2X	X	IUF	IUF	X
	A	ISO/F3	X	IUF	IUF	X
		(1)	X	X	X	X
Group II (15Kg to 25Kg)		(1)	X	X	X	X
Group III (22KG to 36KG)		(1)	X	X	X	X

IUF= applying to general forward−facing ISOFIX child restriant system authorized by the mass group.

X= the ISOFIX location does not apply to the ISOFIX child restriant system of the mass group and/ or the 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.

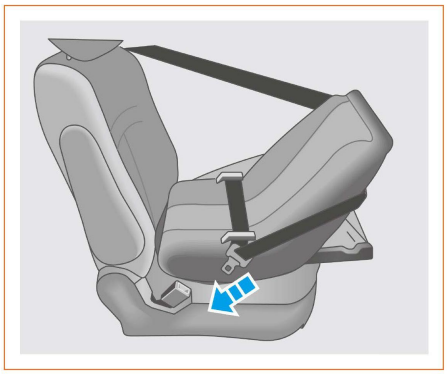
D—ISO/R2: Reduced-height rearward-facing toddler CRS.

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

F—ISO/L1: Left-side facing child restraint system（carrycot）.

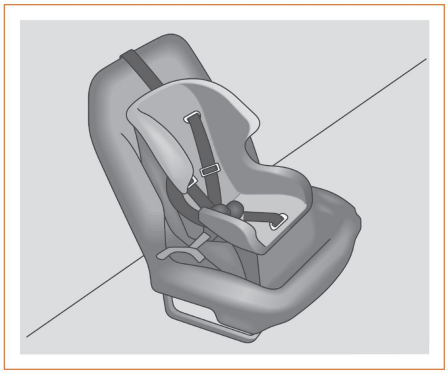
G—ISO/L2: Right-side facing child restraint system（carrycot）.

Installation of Infant Restraint System



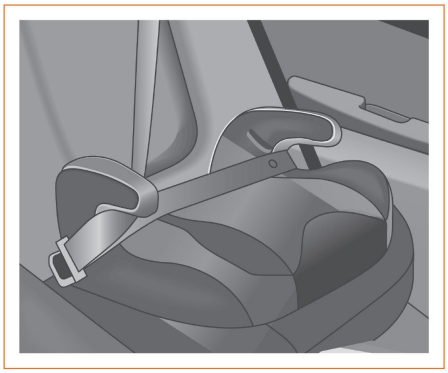
Thread the three-point seat belt through or around the infant seat, insert the latch plate into the buckle, and ensure it is securely fastened to keep the seat belt taut.

Installation of Toddler Restraint System



Thread the leg belt and shoulder belt through or around the child safety device, and insert the latch plate into the buckle to maintain tension on the seat belt.

Installation of Older Children Restraint System



If the child no longer meets the requirements for a forward-facing restraint, a booster cushion should be installed on the rear seat to ensure their safety.

Child Safety Rear Door Lock*

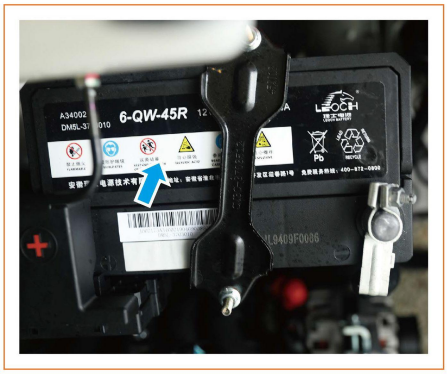
The child safety rear door lock is designed to prevent the accidental opening of rear doors, especially when children are present in the vehicle. When the shift lever is in the locking position ②, the child safety rear door lock is engaged, allowing the rear door to be opened only via the exterior door handle. To disengage the child safety rear door lock, move the shift lever to the unlocking position ①.

ISOFIX Interface *

This vehicle not only utilizes a three-point seat belt to provide protection for children but also features a child restraint system with an ISOFIX interface in the middle row seats. Child safety devices conforming to ISO standards are secured by the ISOFIX interface without the need for additional seat belts.

Safety Warning Sign

Battery warning mark



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

The radiator warning label and the A/C refrigerant label are pasted above the inner side of the engine hood. Coolant specified by Dongfeng Liuzhou Motor shall be used. Do not mix coolants of different brands. Do not touch the radiator, as the cooling fan may rotate at any time.

Risk of carbon monoxide poisoning

Carbon monoxide gas is toxic, and inhalation of the gas will seriously threaten human life.

If vehicle has been correctly maintained, during normal driving, CO from the vehicle exhaust will not enter your vehicle.

Check the exhaust system for leakage under the following conditions:

1. The vehicle has been lifted due to replacement of engine oil or other reasons.

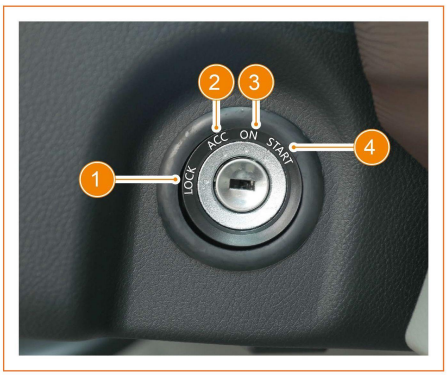
2. The exhaust sound is abnormal.

3. The underside of the vehicle was damaged in an accident.

When the boot lid is opened, the airflow may bring the exhaust gas into the vehicle, creating a dangerous environment. If you need to start the vehicle with the trunk lid open, open all windows and turn on the A/C for ventilation.

Start and Stop

Ignition switch



1. LOCK position

2. ACC position

3. ON position

4. START position

LOCK gear:

The remote key can only be inserted or removed at this position. When turning the key, it should be pushed in slightly.

Caution

At times, the key may be difficult to turn in the ignition switch if the front wheels are turned. At this time, while turning the key, you should simultaneously rotate the steering wheel left or right.

ACC position:

If the ignition switch is at "ACC", you can use the audio system and the cigarette lighter.

ON position:

The remote key remains at this position during driving. When the ignition switch is turned from "ACC" to "ON", several indicator lights on the combination instrument will illuminate to indicate that the vehicle is ready to start.

START gear:

START gear is only used to start engine. After releasing the key, the ignition switch automatically returns to the "ON" position.

Warning

Do not remove the key from the ignition switch during the driving. Otherwise, the steering wheel will be locked, resulting in losing control of your vehicle. You can remove the key from the ignition switch only after parking stably.

Starting the vehicle

To start the vehicle, the following conditions must be satisfied:

1. Place the gearshift lever in the neutral gear (N);

2. Depress the clutch pedal;

3. Insert the remote key and start the engine.

The starter cannot rotate or the speed is too slow

1. Check whether the connector of battery terminal is firmly fastened 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 lights do not light up, become dim or turn off, 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.

Precautions for Engine Start

The engine can only be started when the vehicle is in a neutral state. After starting, observe the indicator lights on the combination instrument to ensure they are functioning normally.

When the ignition switch is turned to the "START" position, the engine should start smoothly, and each start attempt should not exceed 2 seconds (or 5 seconds in winter in northern regions). If the engine does not start, wait for 20-30 seconds

before trying again.

If the initial start attempt is unsuccessful, please turn the ignition switch to the "LOCK" position and try starting again. If repeated attempts fail to start the engine, contact an authorized service station of Dongfeng Forthing.

Do not press the accelerator pedal when starting the engine to ensure it starts at idle. Once the engine starts, immediately release the key to prevent engine damage.

After starting the engine, the engine should be warmed up and check that the oil pressure indicator light functions normally. Idle operation should not exceed 3 minutes. Idle running time should be appropriately lengthened after starting in winter.

How to Stop the Engine?

After long periods of high-speed engine operation, it is advisable to let the engine idle for 2-3 minutes before turning it off to ensure proper cooling. This practice allows the engine to fully cool down, extending its service life.

Steering System

Electronic power steering *

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

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 the steering wheel is turned quickly, friction sound may be heard, which is not a fault. If the steering system fault warning light illuminates after the vehicle has started successfully, it indicates a malfunction in the steering power assist. At this point, turning the steering wheel will require more force. Please slow down and safely pull over to the side of the road as soon as possible. Turn off the engine and restart the vehicle after five minutes. If the fault warning light does not illuminate again, the vehicle can operate normally. If it remains illuminated, please drive cautiously and contact an authorized Dongfeng Forthing service station as soon as possible.

Hydraulic power steering *

The hydraulic power steering system assists you in turning the vehicle, allowing for easier steering wheel operation.

When the steering wheel reaches its limit, you may hear a sound from the power steering pump as it releases pressure, which is normal. Avoid holding the steering wheel at its limit for more than 5 seconds to prevent damage to the power steering pump and hydraulic lines.

In extremely cold conditions, due to the sluggish movement of steering fluid, it is normal for the power steering pump to make noise for a while after a cold engine start. The noise should subside once the engine warms up.

Manual Transmission

Five-speed Transmission

Six-speed transmission

The manual transmission includes a reverse gear protection lock to prevent shifting directly from the top gear (fifth or sixth gear) to reverse.

When you need to upshift or downshift, be sure to depress the clutch pedal to the floor. After shifting gears, slowly release the clutch pedal. Don't put your foot on the clutch pedal when not shifting gears, as it may accelerate the wear of the clutch.

You can only shift to reverse gear once the vehicle is completely stationary. It is advisable to fully depress the clutch pedal and wait for a few seconds before engaging the reverse gear to ensure smooth gear changes. Shifting to reverse gear while the vehicle is in motion can cause damage to the transmission.

When decelerating, you can obtain additional braking force by downshifting, which helps maintain a safe speed and reduces brake load during downhill driving, preventing brake overheating.

Caution

Avoid allowing the engine's tachometer to reach the red zone when using the engine for braking, as this may cause engine damage.

Warning

Driving on slippery surfaces can lead to loss of vehicle control during rapid acceleration or sudden deceleration. In the event of a collision, serious injury may occur. Extra caution should be exercised when driving on slippery roads.

Recommended shifting points

Within a specific speed range, using the appropriate shifting points can ensure the engine operates smoothly and accelerates effectively. This approach not only minimizes fuel consumption but also effectively controls exhaust emissions.

For manual transmission models, we recommend the following shift points:

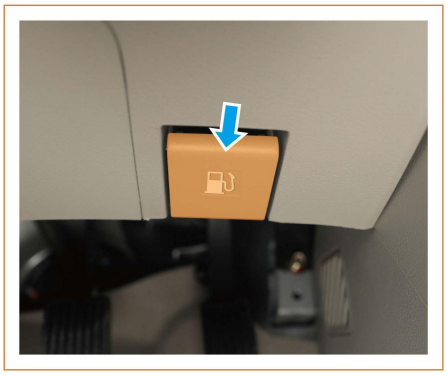
Gear Range	Vehicle speed (km/h)
Gear 1 to Gear 2	10~15
Gear 2 to Gear 3	20~30
Gear 3 to Gear 4	35~45
Gear 4 to Gear 5	60~70
Gear 5 to Gear 6	70~80
Engine speed at 1800-2200 r/min	

Caution

- If the gear position is inadequately set or the shifting is untimely (primarily manifested as driving at low speeds in high gears), the engine speed may be forced to decrease to below 600rpm, causing the engine to operate extremely unstably, which may result in shaking or even stalling. Continuous operation of the engine under these conditions may cause damage to its transmission components and reduce engine service life. Additionally, if the brake pedal is continuously pressed at this time, there may be insufficient vacuum output from the engine, leading to dangerous situations such as the brake pedal becoming heavy and hard to press.
- When using the A/C, if the vehicle speed is below 20 km/h, the gear should be set to lower than Gear 3.
- If the engine speed drops below 600 rpm, promptly depress the clutch pedal, shift to neutral gear, or press the accelerator pedal to increase speed, avoiding running engine in this state for a long time.

Add Fuel

Fuel Tank Cap Release Handle



Pull the fuel tank cap release handle located under the left side of the Instrument panel to open the fuel filler cap.

Fuel Filling

Type I

Type II

Rotate the fuel filler cap counterclockwise to slowly open it and add fuel. After refueling, turn the fuel filler cap clockwise until a click is heard, then close the fuel filler cap.

⚠ Warning
During refueling, shut down the engine and keep the vehicle away from heat sources and open flames.

Vehicle Running-in

Precautions

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

1. Avoid operating the engine under full load; do not overload the vehicle.

2. Try to avoid depressing the brake pedal suddenly.

3. Do not replace the engine oil before the first maintenance.

4. Do not tow other vehicles.

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

6. Avoid driving at low speeds in high gears.

Maximum vehicle speed during running-in period

Vehicle running-in will play a vital role in the service life, safety and fuel efficiency of vehicle. During the running-in period, it's important to control the vehicle speed and not drive too fast. Below are the maximum vehicle speeds for each gear.

5-speed manual transmission

Gear	Maximum speed (km/h)
1st gear	25
2nd gear	45
3rd gear	75
4th gear	100
5th gear	120

6-speed manual transmission

Gear	Maximum speed (km/h)
1st gear	25
2nd gear	45

3rd gear	75
4th gear	100
5th gear	120
6th gear	130

After an overhaul of the vehicle, replacement of the engine or brake pads, the above speed recommendations should also be followed while driving.

Brake System

Electronic Brakeforce Distribution (EBD)

The ABS system is equipped with EBD (Electronic Brakeforce Distribution), which ensures good braking performance under various load conditions. The EBD system automatically distributes brake force between the front and rear wheels.

Anti-lock Braking System (ABS)

Working Principle

The ABS system controls the brake of the vehicle, and adjusts the braking fluid pressure by detecting the speed of each wheel to prevent wheel locking and sideslip. During vehicle braking, the steering wheel can still be used to avoid collision. System self-check

The ABS system is equipped with a built-in diagnostic function that tests itself when the engine is started and the vehicle is moving at low speeds. If a fault is detected, the diagnostic function will disable the ABS system and illuminate the ABS fault indicator light on the combination instrument. At this time, the braking system can still work normally, but the anti-lock braking assistance does not work. If the ABS fault indicator light illuminates during self-check or while driving, please contact an authorized service station of Dongfeng Forthing.

Normal operation

The ABS system activates automatically when the vehicle speed exceeds 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 fluid pressure. 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.

Caution

- The ABS cannot reduce braking time or distance.
- The ABS system also does not enhance vehicle stability. During emergency braking, the steering shall be moderate.

Vacuum booster braking

The vacuum booster is suitable for engine vacuum assisted braking. If the engine stops and the vacuum is depleted in the vacuum chamber of the booster, the auxiliary braking ability will be lost. You will need to apply greater force on the brake pedal to bring the vehicle to a stop, and the braking distance will also increase.

Use of brake

Do not rest your foot on the brake pedal when driving, which will overheat the brake, accelerate the wear of the brake disc and friction plate and increase fuel consumption.

When driving down a long slope, reduce speed and shift to a lower gear. Try to avoid frequent braking to prevent the brakes from overheating, which will reduce braking performance and lead to a loss of vehicle control.

When driving on a slippery surface, be careful about braking, accelerating, or downshifting. Sudden braking or acceleration will make wheel slip and cause accidents.

When the vehicle is washed, waded or driven in rainy days, the brake may become wet and the braking performance may be

reduced. In this case, the vehicle shall be driven at a safe speed and attention shall be paid to keeping the distance between vehicles.

Brake booster

When the force applied to the brake pedal exceeds a certain threshold, the brake assist will be activated. At this point, even a gently depress on the brake pedal will generate a braking force greater than that of the vacuum booster to facilitate easy driving of the vehicle.

Brake lining

The new brake lining require a running-in period and may not perform optimally within the first 200 km of use in a new vehicle. It is recommended to avoid sudden braking during this time.

Both disc and drum brakes are equipped with wear alarm devices that emit a sharp metallic sound when the brake lining reaches its wear limit. If you hear a sharp sound from the brake lining wear alarm device, drive cautiously and contact an authorized service station of Dongfeng Forthing for replacement as soon as possible.

Braking priority

The brake priority system can automatically switch the engine to idle state when it detects that the driver attempts to apply brakes without success.

Traction Control System (TCS) *

During vehicle running, the traction control system (TCS) reduces wheel slip in its rotational direction by controlling the engine and applying appropriate braking to the driving wheels.

Brake Assist (BA) *

Insufficient braking force can lead to an increased braking distance. For a vehicle with a brake assist system, the hydraulic assist brake system will be activated when the brake pedal is depressed quickly during driving. At this time, the brake assist will generate a greater braking force than that during normal braking, thus shortening the braking distance.

Parking

Mechanical Parking Brake

The parking brake lever is located to the rear side of the gearshift lever.

When parking, pull up the parking brake lever to prevent the vehicle from moving.

Manual parking

Depress the brake pedal before pulling up the parking brake lever.

Manual release

Lift the parking brake lever slightly upward, press the button, and then release the lever.

The parking indicator light on the combination instrument automatically turns off when the parking brake lever is fully released.

⚠ Warning

Before operating the vehicle, check the parking brake lever for fully released. Operating the vehicle with the parking brake lever not fully released may damage the rear axle brakes.

Electronic Stability Program (ESP) Control System *

The electronic stability program (ESP) assists the driver in maintaining vehicle stability. When ESP detects a discrepancy between the desired and actual vehicle body states, the system activates. At this point, the ESP operation indicator light on the combination instrument will flash. However, the ESP system cannot prevent accidents caused by sudden steering at high speeds, careless driving, or reckless behavior. Please drive carefully; reduce speed and exercise extreme caution when driving and turning on slippery surfaces.

Acceleration slip regulation

When the drive wheels of the vehicle start to slip, the ESP actively manages the engine's power output torque (the vehicle does not respond to the driver's request for power torque when the accelerator pedal is depressed). This reduces the drive wheels' output torque, allowing them to regain stability and stop slipping. During this time, the ESP indicator light on the combination instrument will flash, and you may feel a loss of power; this is a normal phenomenon indicating that the ESP system is functioning properly.

Electronic stability control function

When the vehicle is turning, the ESP system detects the steering angle input and the actual steering angle produced by the vehicle. If the vehicle experiences understeer (where an increase in steering input does not lead the vehicle to follow the intended path) or oversteer (where the vehicle begins to skid and the actual steering angle exceeds the input steering angle), the ESP will actively brake the appropriate wheels to help the vehicle turn according to the driver's steering input. During this process, the ESP indicator light on the combination instrument will flash.

Although the ESP system can help a driver maintain control of the vehicle, it cannot prevent the vehicle from losing control in all driving conditions. When the ESP system is working, the ESP warning light on the combination instrument will blink. Therefore, please pay attention to the following conditions:

1. A road may cause slip or some actions needing help on a steering route judged by the system;

2. You may feel impulse impact on the brake pedal and hear some noises or feel vibration under the engine hood. This is a normal phenomenon, indicating that the ESP system is functioning properly.

3. Adjust vehicle speed and driving status based on the actual road conditions.

If the system fails, the ESP warning light on the combination instrument will be on, and then the ESP system will automatically be shut down. The ESP system shuts down automatically.

The OFF switch of the ESP is used to shut down the ESP system. When the OFF indicator of the ESP is on, it means that the ESP system has been shut down. The illumination of the ESP OFF indicator light indicates that the ESP system is turned off.

When the ESP system is turned off using the ESP OFF switch, the ESP function is disabled, and the ESP warning light does not flash. However, the ESP system continues to monitor signals from each sensor to assess the vehicle's status. If the vehicle is at risk of losing control, the ESP may still intervene, and in such a case, the ESP warning light will flash. When re-start the engine, the ESP system will automatically be enabled again.

The ESP system is of a built-in diagnostic function; therefore, ever time

when start up the engine and drive your vehicle forwards or backwards at a slow speed, a system testing will be carried out. During the self-check, you might hear a "dull metallic noise" or feel a pulsation in the brake pedal. This is a normal phenomenon and does not indicate a malfunction.

Warning

- Do not refit the suspension. If suspension components such as shock absorbers, struts, springs, stabilizer bars, bushings, and wheels are not recommended by Dongfeng Liuzhou Motor, or if they are severely damaged, the ESP system might operate abnormally. In this situation, the vehicle maneuverability will be affected and the ESP warning light may turn on.
- If the brake components, such as brake pad, brake disc and brake caliper, are not recommend by Dongfeng Liuzhou Motor Co., Ltd. or severely degraded, the ESP system may not be able to operate properly and the ESP warning light may be on.
- If the components related to the engine are not recommended by Dongfeng Liuzhou Motor Co., Ltd. or severely degraded, the ESP system may not be able to operate properly and the ESP warning light may be on.
- When the vehicle runs on a very inclined surface, such as a turning on a relatively high dike, the ESP system may not be able to operate properly and ESP warning light may be on. Do not drive on such surfaces.
- While driving on unstable surfaces such as turntables, ferryboat, lift or sliding tables, the ESP warning light might turn on, which does not indicate a malfunction. Once you've reached a stable surface, turn off the engine for 5 minutes and then restart it.
- In case of wheel or tire not recommended by Dongfeng Liuzhou Motor, the ESP system may not be able to operate properly and the ESP warning light may be on.
- For a snow-covered road, a winter tire or tire chain cannot be replaced by the ESP system.

Hill Start Assist System (HSA)*

When the vehicle is parked on a slope, and the driver releases the brake pedal and depresses the accelerator pedal, the HSA will automatically maintain braking to prevent the vehicle from rolling backward. The HSA will operate automatically when the following conditions are met:

1. The transmission is shifted into either the forward or reverse gear while ascending a slope.

2. The vehicle is completely parked through the braking by brake pedal force. Maintaining this for 2 to 3 seconds. After duration, the vehicle will begin to move downhill, and the HSA will completely stop operating.

The HSA will not operate when the gearshift is in the neutral position or when the vehicle is on a level surface.

When the warning light of the electronic stability program (ESP) system in the combination instrument is on, the HSA system will not operate.

When the ESP system is shut down by pressing the ""OFF"" button of the ESP, the HSA system will still operate.

Warning

- The HSA is not designed to keep the vehicle stationary on an slope. Do not rely solely on the HSA to prevent the vehicle from rolling backward on a slope. Always drive with caution and stay focused. When parking on a steep slope or on icy or muddy roads, you should depress the brake pedal to prevent the vehicle from rolling backward; otherwise, it may lead to loss of control and result in serious injuries or fatalities.
- In case of full load or on certain special road conditions, the HSA may not prevent the vehicle from rolling backward on an slope. Always be prepared to depress the brake pedal to prevent the vehicle from rolling backward. Otherwise, a vehicle collision or serious personal injury will be caused.

Lane Departure Warning System (LDW) *

Working Principle

When the vehicle runs on a road with

identifiable lane lines at a speed greater than or equal to 60 km/h, the Lane Departure Warning (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.

Caution

- 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.

System Operation

Button description

Turn the "Lane Departure Warning" switch on or off from the "Driving Assistance Settings" tab on the multimedia display to configure the LDW system function.

Function condition description

After the function is enabled, if the system can detect lane lines, the vehicle speed is greater than 60 km/h and other functional conditions are met, the system will automatically enter the activated state.

The system will deactivate if the lane lines on both sides disappear or the vehicle speed is lower than 60 km/h.

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 system's warning function resumes normal operation.

System state

LDW system information can be shown on the combination instrument. When the LDW system is turned off, the lane departure indicator light will turn off.

When the LDW system is turned on but not activated, the lane departure indicator light stays on in white.

The LDW system is activated, and the lane departure indicator light 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

An alert is triggered when lane departure occurs, causing the lane line on the main interface to turn red, accompanied by a warning from the buzzer.

Caution

The lane line detection status cannot be used to judge whether the vehicle is in the lane, and the driver needs to control the driving direction of the vehicle by himself.

Description of combination instrument display

The LDW system is only an auxiliary warning system. 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.

Feature limitation

The function will be limited under the following conditions. If LDW system does not operate normally due to poor driving conditions, do not use the system.

1. When 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 lines 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 the camera is blocked due to too close distance from the front vehicle.

6. When driving toward strong light sources.

7. When driving under complex road lines such as lane line bifurcation, intersection, sidewalk or construction area.

8. Misidentification may occur when the road surface is shaded by railings, trees or other objects.

9. When the lane line is blurred or the light is weak at night.

10. When driving on roads covered with rainwater.

After replacement of the front-view camera and front windshield, four-wheel alignment, body and chassis modification, the system needs to be recalibrated; otherwise, it cannot work normally.

Parking Radar System

Function introduction

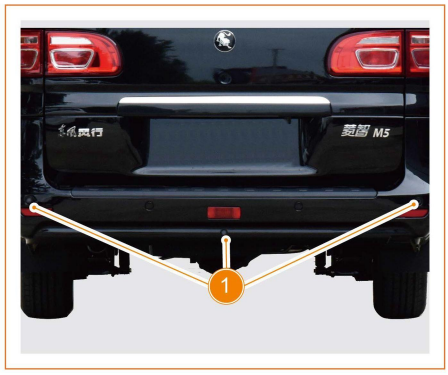
The reversing radar detects the surroundings of the vehicle and gives warning when the vehicle approaches an obstacle to assist the driver in avoiding collision.

Four radar sensors

1. Radar sensor

The rear of the vehicle is equipped with four radar sensors.

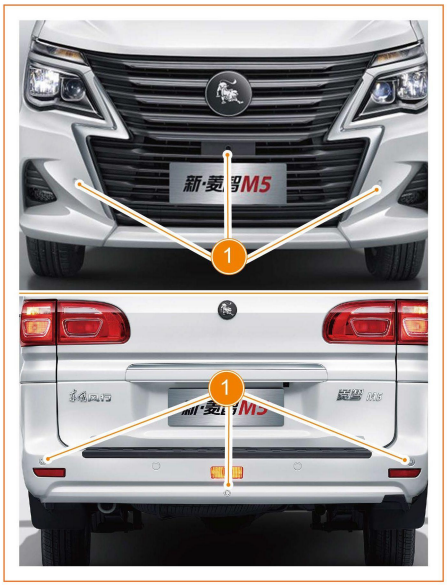
Three radar sensors



1. Radar sensor

The rear of the vehicle is equipped with three radar sensors.

Three radar sensors at front and rear



1. Radar sensor

The vehicle is equipped with three radar sensors at the front and another three at the rear.

When the parking radar system is activated, it automatically checks whether its functions are operating normally. If the system is normal, it emits a single beep lasting 0.5 seconds. If the system emits a single beep lasting 3 seconds, it indicates a fault; please visit an authorized service station of Dongfeng Forthing for inspection as soon as possible.

Detection range

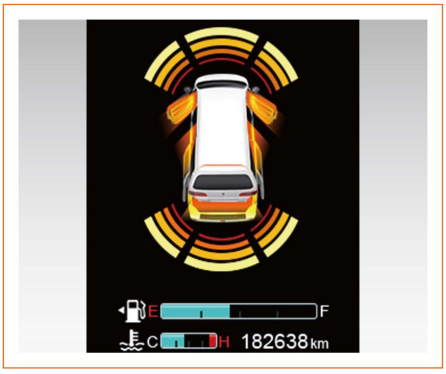
The detection range of the rear parking radar sensor is approximately as shown in the table below:

Sensor position	Maximum detection distance（cm）
Both rear sides	60±10
Rear middle	150±10
Both front sides	60±10
Front middle	120±10

Alarm type

The parking radar system emits intermittent or continuous alarm sounds on the combination instrument based on the distance between the radar sensors and obstacles. The shorter the distance, the more urgent the alarm sounds become.

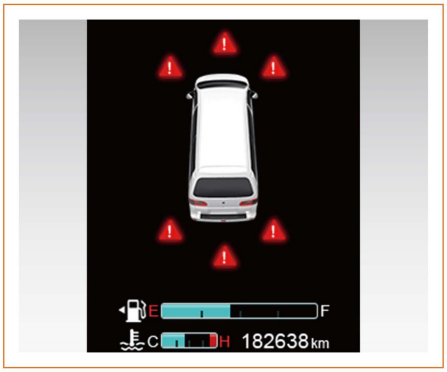
At the same time, the combination instrument screen will display colors corresponding to the obstacle distance, as shown in the figure below:



The alarm modes are shown in the table below:

Obstacle distance（cm）	Combination instrument alarm sound	Audio alarm display
0-40	Long beep	Red
40-100	4 Hz rapid intermittent tone	Yellow
100-150	2 Hz intermittent tone	Not displayed

If one or more radar sensors fail, the corresponding sensor will display ⚠, as shown in the figure below. While other sensors may still function normally; however, the system will no longer be reliable. Please visit an authorized service station of Dongfeng Forthing for inspection and repair promptly.



Front radar function

Press the confirmation button on the

right side of the multi-function steering wheel, then select the "Front Radar Switch" (on the combination instrument interface). Press the confirmation button again to enter the front radar function ON/OFF selection interface.

The front radar will activate when all of the following conditions are met simultaneously:

1. The ignition switch is in the "ON" position.

2. The front radar switch is ON.

3. When the vehicle speed exceeds 20 km/h, the front radar will not operate. It will only resume functioning when the speed is reduced to 10 km/h or below after decelerating from speeds above 20 km/h.

4. The parking brake lever is released.

The front radar will deactivate when any one of the following conditions is met:

1. The ignition switch is not in the "ON" position.

2. The front radar switch is OFF.

3. The vehicle speed exceeds 20 km/h.

4. The parking brake lever is pulled up.

Caution

1. Due to the characteristics of objects, such as their position, angle, size, material, or the presence of complex backgrounds, the system may not operate or function abnormally.
2. The radar detection distance may vary from actual measurements and is for reference only. Please do not rely on it as the sole basis for reversing.
3. When one or more sensors are faulty, the system's detection display distance is no longer reliable. The driver is responsible for continuously monitoring the environment throughout the driving process and taking timely maintenance actions. The manufacturer is not liable for any accidents that occur due to the driver's negligence.
4. The following locations or obstacles may cause detection failures or poor detection performance:
- Wire mesh, steel ropes and other objects.
- Driving in grass or on rough roads.
- Cotton or acoustic material.
- Foreign matters are attached to the sensor surface.
- Ultrasonic noise, metal sound and high−pressure gas emission sound at the same frequency.
- The non-standard wireless communication devices installed in the vehicle may also affect the function of this system during use.

Warning

- The reversing radar system is intended only as an auxiliary warning for obstacles in front of and behind the vehicle during parking and reversing, and it cannot replace the driver's observation of the surrounding environment.
- The reversing radar system does not display images of the area behind the vehicle and has blind spots. Therefore, do not rely on it as the sole measure for reversing safety. The driver is responsible for driving safety.

Reversing Image*

Function introduction

The rearview camera provides a real-time display of the area behind the vehicle to assist the driver in reversing safely.

Reversing image on

Prerequisites for activating the reversing image: The ignition switch is in the "ON" position.

Reversing image activation/deactivation mode: The reversing image will activate when the R gear is engaged and will deactivate when the R gear is disengaged.

Position of the Rear View Camera

The rearview camera is located above the rear license plate. The working range of the camera is very limited and it cannot capture objects near the corner or under the bumper. The displayed image may vary due to vehicle direction or road conditions, and the distances shown on the screen may differ from the actual distances.

Spoke lines

Explanation of spoke line:

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.

Spoke lines width: Represents the Vehicle Width +20 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.

Caution

- The reversing camera cannot substitute for the driver's vision. Avoid relying solely on the reversing camera for backing up.
- There are certain blind spots in the reversing camera, so exercise extra caution while reversing.
- Caution the safety of the surroundings when reversing, especially watching out for children and animals.
- A dirty camera will affect system functionality. Please clean it up in time.
- Adverse weather conditions such as haze, heavy rain, and darkness can affect reversing.

CNG Gas Supply System *

Air Volume Display Alarm Switch

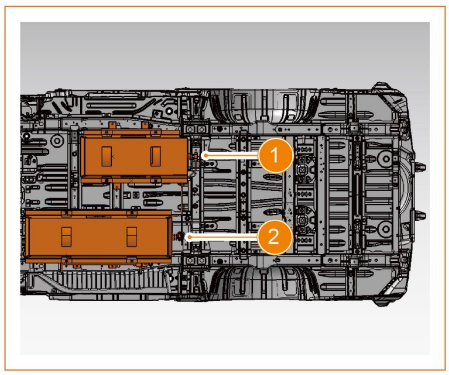
The air volume display alarm switch features an LCD screen located below the A/C control panel. Its main functions include oil-gas conversion, gas volume display, and fuel mode selection.

Introduction

1. System status indication
2. Air volume display
3. Fuel Status Indicator
4. Fuel Changeover Switch

Function	Status	Display Information/Renderings
Vehicle start	LCD Screen Activation	The display information appears as shown in the figure above, lasting approximately 1 second (display color: blue)
System status indication	Leakage	The "Leakage" indicator remains lit, a fuel switch request is issued, and the buzzer sounds (2Hz)
	Default Startup State	Request for Gas Switching
Air volume display	Gas volume is displayed upon vehicle startup	The indicated remaining gas pressure is 20MPa
	Low Gas Volume Alarm Alert	When the gas pressure reaches 3MPa, the gas level indicator flashes for about 10 seconds and the buzzer sounds; once depleted, "0" will be displayed
Fuel Status Indicator	Fuel "	The "Fuel" indicator remains illuminated; when switching from "Gas" to "Fuel", the buzzer sounds twice
	Gas "	The “Gas” indicator remains illuminated; when switching from “Fuel” to “Gas”, the buzzer sounds once
	Gas Switching Unsuccessful	The "Fuel" indicator remains on, while the "Gas" indicator flashes

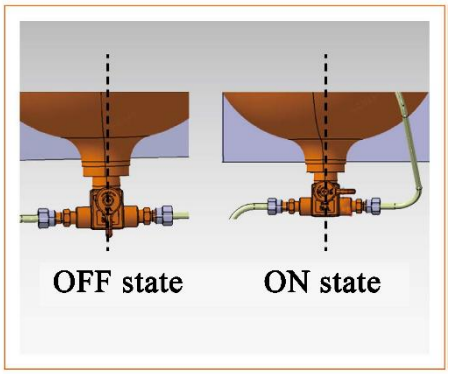
Gas Cylinder Manual Valve



1. 45L Gas Cylinder Manual Valve

2. 65L gas cylinder manual valve

The 45L gas cylinder is positioned on the left side of the vehicle chassis center, while the 65L gas cylinder is on the right. Gas cylinder manual valve is located at the rear of each cylinder.



When the handle of the gas cylinder manual valve is perpendicular to the cylindrical axis, the valve is open; when aligned with the axis, the valve is closed.

Precautions for Using the CNG Gas Supply System

1. Drivers of dual-fuel vehicles must undergo CNG vehicle driving technical training.

2. During the fuel conversion process, there is a transitional period in fuel supply which may cause the engine speed to drop or slightly pause. When operating the vehicle, avoid doing so in heavy traffic, on hills, through curves, or in areas with limited visibility, or ensure you have parked in a safe spot first.

3. Operate strictly according to the driving safety procedures during driving and fully assess road condition, so as to avoid accidents during automobile meetings and overtaking.

4. Park the vehicle in a cool, well-ventilated area, away from fire and heat sources, to avoid sun exposure.

5. If a natural gas leak is detected while driving, immediately pull over to an open area if possible, close the gas cylinder manual valve, and switch from gas to fuel.

Contact an authorized service station Dongfeng Forthing to resolve the leak before resuming natural gas use.

6. In case of a fire while driving, promptly shut off the engine and gas cylinder manual valve. Use a fire extinguisher immediately to put out the fire, and isolate the fire source. In addition, swiftly evacuate on-site personnel to a safer location (move in the upwind direction). During discharging high-pressure natural gas, open fire is strictly prohibited on the scene.

Engine start

Cold start: Use fuel oil to start the engine when cold. Once the conditions for switching to gas are met, it will automatically switch to gas mode. If the start conditions support switching to gas, you can begin directly with gas.

Fuel startup: When the fuel changeover switch is set to "Fuel", follow the general operation procedures to start.

The following conditions must be met simultaneously to switch to CNG mode when starting the engine:

a. Start with fuel oil until the engine warms up (water temperature ≥ 60°C).

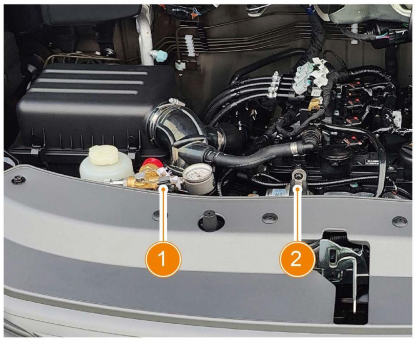
b. The CNG gas supply system is free of faults.

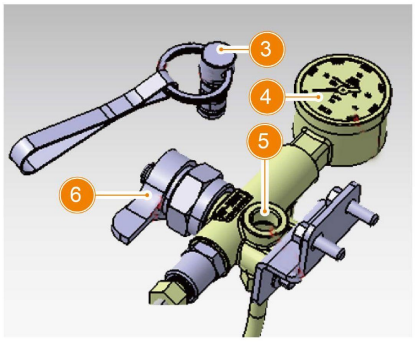
c. The pressure value is greater than 2 MPa.

The CNG gas supply system will automatically deactivate when the fuel changeover switch is set to "Fuel", if the system fails, or if the residual gas volume is less than 2MPa.

Vehicle CNG Filling and Parking

Inflation valve





1. Inflation valve

2. Low-pressure filter

3. Dust Plug

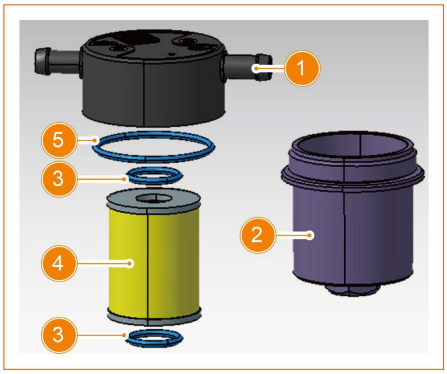
4. Gas Pressure Gauge

5. Inflation Port

6. Manual Shut-off Valve of Inflation Valve

The inflation valve is located in the engine compartment, comprising primarily the inflation port, dust cap, gas pressure gauge, and the manual shut-off valve. The manual shut-off valve of the inflation valve is closed when turned clockwise and opened when turned counterclockwise (viewed from the handle's direction).

Low-pressure filter



1. Upper Housing

2. Lower Housing

3. Seal Ring of Filter Element

4. Element

5. Housing seal ring

Before Inflation

1. Ensure passengers are positioned outside the refueling area. Do not carry passengers during refueling.

2. Park the vehicle at the inflation spot, engage the parking brake lever, and switch off the ignition switch; make sure the doors are closed and valuables are secured.

3. Inspect the system for any leaks and verify it complies with refueling conditions.

4. Provide the refueling card and allow the gas station professionals to handle the refueling.

After Inflation

1. Upon completion of inflation, close the manual shut-off valve of the inflation valve, then disconnect the inflation gun adapter and insert the dust cap.

2. Inspect the high-pressure lines and joints for any air leaks.

3. Verify that the pressure reading on the gas pressure gauge matches the reading at the refueling station. The pressure inside the cylinder must not exceed 20MPa.

4. The vehicle should only be started after receiving the refueling card and ensuring all conditions for leaving the gas station are met.

Long-term parking

1. The ignition switch and the gas cylinder manual valve must be turned off.

2. Ensure to check the CNG gas supply system for any leaks or damages.

3. Use up the natural gas in the pipeline and park the vehicle following the parking regulations for fuel-powered vehicles.

4. When parked in a parking lot or garage, ensure good ventilation and provide safety equipment and measures such as fire prevention and explosion prevention.

5. It is prohibited to disassemble and repair the CNG supply system in a closed garage or plant.

Driving in Adverse Weather Conditions

Driving skills

When driving in wet conditions like rain, snow, and fog, make sure to reduce speed, maintain a longer following distance, avoid sudden braking and steering, and check if the rearview mirror image is clear before starting. In these weather conditions, brakes are prone to getting wet, leading to reduced braking performance, minimal road grip, and extended braking distances. When slowing down or stopping on icy and snowy roads, utilize engine braking along with gently pressing the brake pedal to reduce the speed. When there's a significant temperature difference between inside and outside, causing fog on the front windshield, avoid wiping the glass while driving to prevent distraction-related accidents. Adjust the temperature with the car's A/C to clear the fog.

Visibility

A clear and unobstructed field of vision is crucial for drivers. However, in

adverse weather conditions, visibility may be significantly impaired. In such situations, turning on the fog lights and headlights improves visibility to others, greatly enhancing driving safety. Regularly inspect the front windshield wiper and washer fluid to ensure an adequate amount of washer fluid is maintained in the reservoir. If the wiper does not clean properly or leaves streaks on the front windshield, the wiper blade should be replaced.

Driving force (traction)

Regularly check the tire wear and tire pressure, as both are crucial in preventing the vehicle from "slipping" (losing traction on wet roads). During winter, all four wheels should be fitted with snow (anti-skid deep tread) tires to ensure optimal handling and safety.

Caution: Stay aware of the road conditions. When the outside temperature approaches zero degrees, the road surface can be covered with a mixture of ice and water, which may cause the vehicle's traction to suddenly change without warning, leading to potential skidding.

Towing Trailer

The vehicle is not intended for towing a trailer, and attempting this will void the warranty.

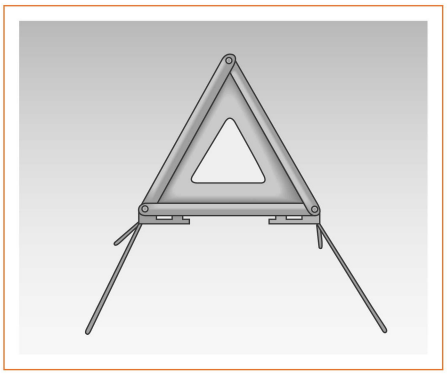
Driving through Water

Before driving through water, determine the water depth first. The maximum water level should not be higher than 1/4 of the wheel height. When driving in water at this depth, do not exceed a speed of 10 km/h; otherwise, the engine, electrical system, and transmission may suffer damage.

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

Press the red switch below the multimedia display to activate the hazard warning light. At this time, all turn signals outside the vehicle and the turn signal and hazard warning indicator lights on the combination instrument will flash to remind pedestrians and passing vehicles that the vehicle is in an abnormal state.

Warning Triangle



In case of an accident while driving, pull over to the right side as safely as possible. Take out the warning triangle, position the reflective side facing oncoming traffic and place it 100-200 meters directly behind your vehicle to alert approaching vehicles and prevent further accidents. Also, remember to activate the hazard warning lights.

Tire Replacement

Preparations before tire replacement

Park the vehicle in a place where the traffic flow is little and it is convenient to replace the wheel safety. Before emergency replacement of wheels, turn on the vehicle hazard warning light and place a warning triangle at an appropriate distance to avoid traffic accidents.

The jack is located at the right rear corner of the trunk. Remove the jack after opening the cover plate.

Take out the Spare Tire

Raise the spare tire hook rack and detach it from the hook. Lower the hook rack and remove the spare tire.

Jack the vehicle

Before jacking the vehicle, place a stopper in front of and behind the wheel diagonally opposite to the replaced tire,

and then loosen the replaced wheel nut by half a turn with a wrench.

Place the jack at the fulcrum beside the wheel to be replaced, and then lift the vehicle.

Caution

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

First, remove the wheel nut cap clip from the vehicle information pack.

Then use the wheel nut cap clip to remove the nut decorative cover.

Use a wheel nut wrench to remove the wheel nuts, and then remove the tire. Remove all sludge from the hub surface and install the spare tire. Tighten the wheel nuts in a crossed sequence as shown in the figure until the wheel is close to the brake hub. Lower the vehicle to the ground and take out the jack. Tighten the wheel nuts in a cross pattern to the specified torque. Finally, replace the wheel nut trim covers.

Caution

- Frequently check the inflation pressure of the spare tire to keep the inflation pressure within the specified range, so that it can be used in an emergency at any time. If the spare tire has not been used for many years, please contact Dongfeng Forthing authorized service station to ensure that 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.

Replace the Bulb

Description

The replacement of bulbs 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 an authorized service station of Dongfeng

Forthing Automobile Co., Ltd.

Bulb Specifications

Name	Bulb type	
	Type I	Type II
Headlight (low beam)	HB3 60W	H7 12V55W
Headlight (high beam)	H1 55W	H1 12V55W
Front turn signal	PY21W	
Front position light	W5W	
Side turn signal	W5W	
TURN SIGNAL, REAR	PY21W	PY21W
REVERSE LIGHT	P21W	P21W
Rear fog light	P21W	
License plate light	10W	5W
Front interior light	10W/LED	10W
Rear interior light	10W/LED	5W
Front fog light*	55W	H3 12V55W
Stop/position light	P21/5W	P21W
High-mounted brake light	LED	
Daytime Running light*	LED	N/A

Headlight Calibration

The headlights on a new vehicle have been calibrated at the factory. If you carry heavy items in the trunk frequently, the headlights may need to be re-calibrated. If you need to calibrate the headlight, please contact an authorized service station of Dongfeng Forthing.

FAQ

Why do the headlight lenses sometimes show signs of fogging?

In general, the fog in the headlight is formed by condensation when the moisture in the light body material evaporates and encounters a low temperature. This is a normal physical phenomenon, and the fog will finally dissipate after each formation.

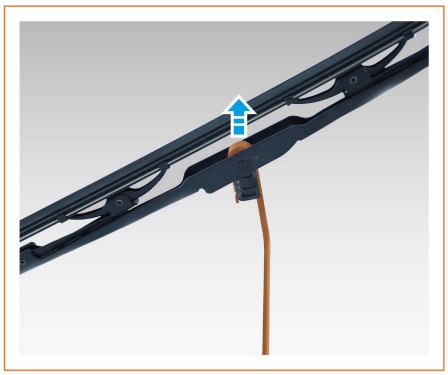
The method to eliminate fog is as follows: During driving, after the low beam is turned on for a period of time, the fog in the effective area irradiated in front of the headlight can be dissipated.

Caution

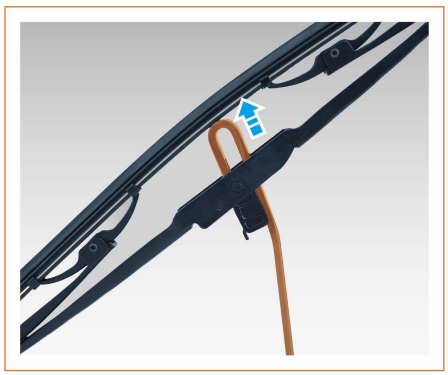
- When the headlight is turned on, the surface temperature of the light is very high. Do not directly touch the surface of the light to avoid scalding.
- To avoid damaging the light, do not use invasive abrasive or chemical solvent to clean the light. Do not wipe or clean the lightshade with sharp objects when it is dry.

Replace the Wiper Blade

1. Lift the wiper arm from the windshield. First pull up the wiper arm on the driver side, then the passenger side.



2. Hold the wiper arm with your right hand and press down the wiper blade with your left hand in the indicated direction.



3. Detach the wiper arm from the wiper blade, and remove the wiper blade.

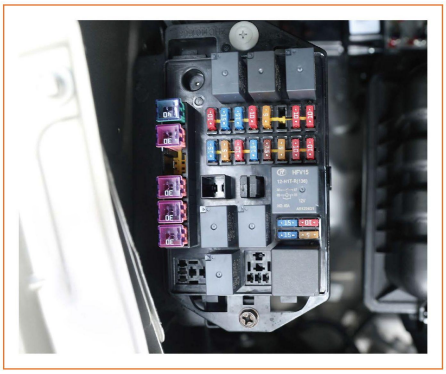
4. Replace the wiper blade with a new one, and operate in the reverse order to ensure that the wiper blade is correctly installed in place.

Caution
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

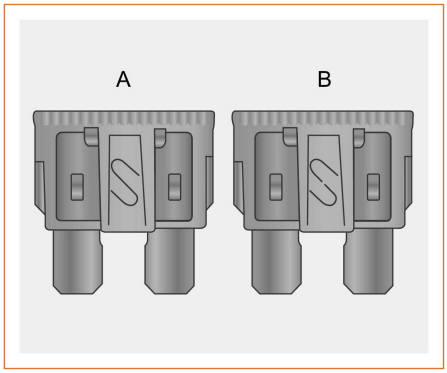


The fuse box of engine compartment is located on the front right side of engine compartment. Remove the clips on the left and right sides of the fuse box, and open the box cover to check the fuse.

Interior fuse box

The indoor fuse box is located behind the storage box in the lower left corner on the driver's side. Remove the storage box 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

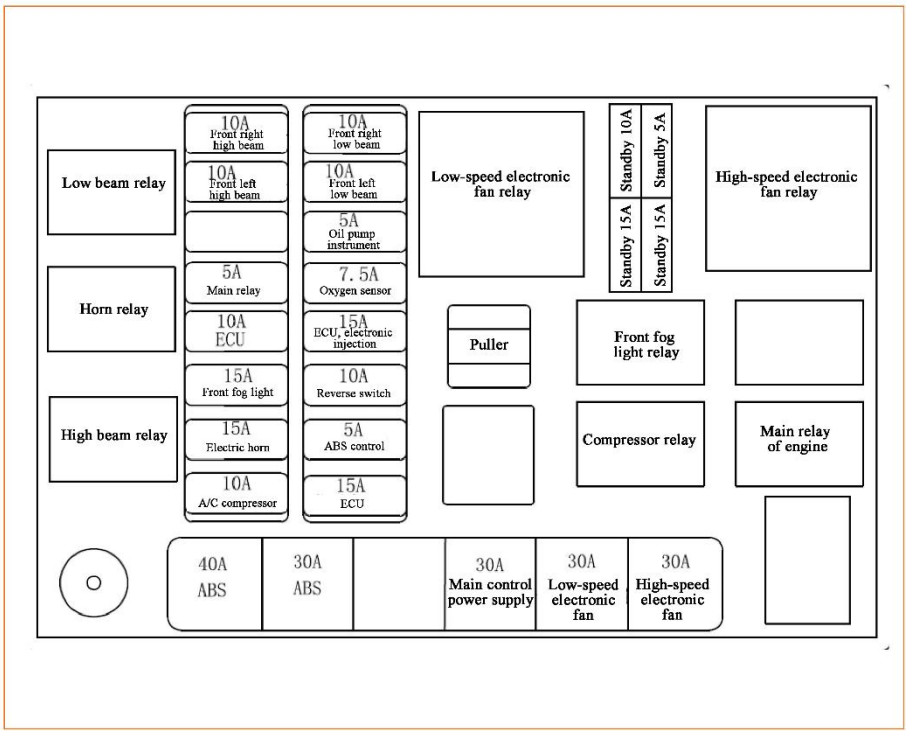
There is a fuse puller in the indoor fuse box. Pull the fuse straight out of the fuse box with a puller. If the fuse is not blown out, there must be another cause for the fault. At this time, please contact an authorized service station Dongfeng Forthing as soon as possible.

Identify 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 rated value.

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 an authorized service station of Dongfeng Forthing as soon as possible.

Engine hood fuse box layout

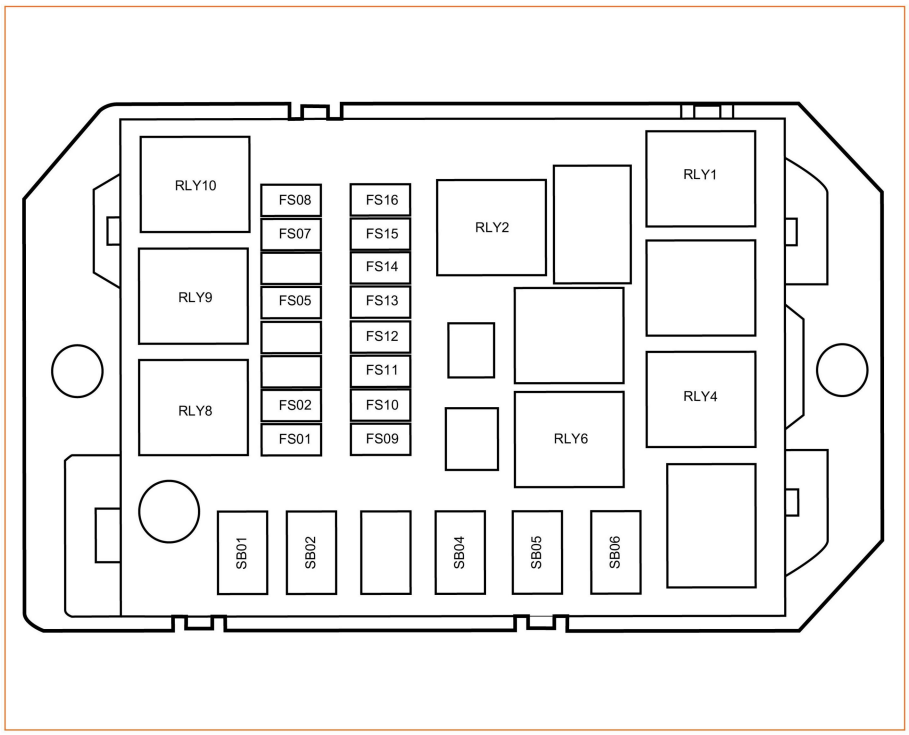
Type I



No.	Name	Rated current（A）	Description
SB1	ESP/ABS fuse	40A	-
SB2	ABS	30A	-
SB4	Main control power fuse	30A	-
SB5	Low-speed electronic fan fuse	30A	Use a fuse of the same model as this vehicle
SB6	High-speed electronic fan fuse	30A	-
FS1	A/C compressor fuse	10A	-
FS2	Electric horn fuse	15A	-
FS3	Front fog light fuse	15A	-
FS4	ECU fuse	10A	-
FS5	Main relay fuse	5A	-
FS7	Front left high beam fuse	10A	-
FS8	Front right high beam fuse	10A	-
FS9	Engine ECU fuse	15A	-
FS10	ABS controller fuse	5A	-
FS11	Reverse gear switch fuse	10A	-
FS12	ECU and electronic fuel injection fuse	15A	-
FS13	Oxygen sensor fuse	7.5A	-
FS14	Fuel pump relay fuse	5A	-
FS15	Front left low beam fuse	10A	-
FS16	Front right low beam fuse	10A	-

RLY1	High-speed electronic fan relay	40A	-
RLY2	Low-speed electronic fan relay	40A	-
RLY4	Main relay of engine	30A	-
RLY6	A/C compressor relay	30A	-
RLY7	Front fog light relay	30A	-
RLY8	High beam relay	30A	-
RLY9	Horn relay	30A	-
RLY10	Low beam relay	30A	-

Type II

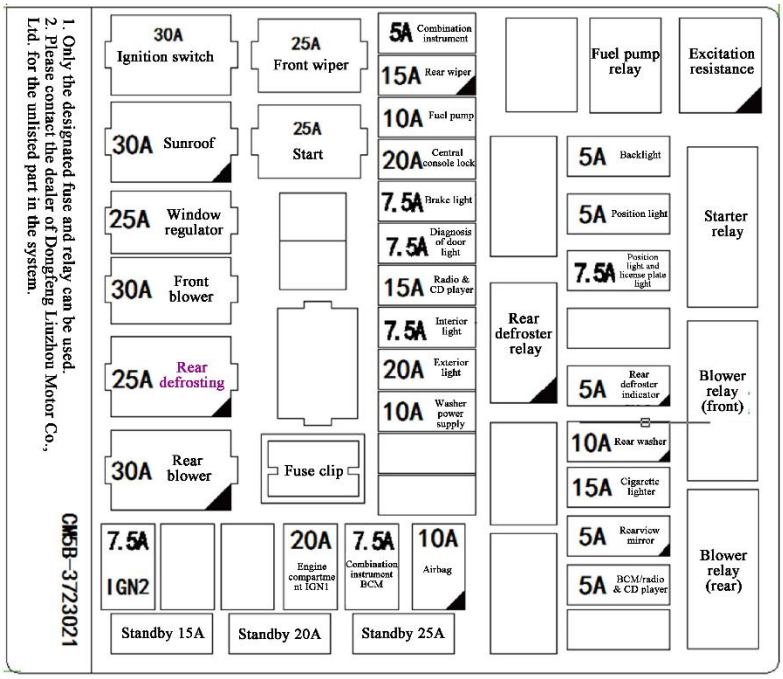


No.	Name	Rated current（A）	Description
SB01	ABS fuse	40A	-
SB02	ABS fuse	30A	-
SB04	Main control power fuse	30A	-
SB05	Low-speed electronic fan fuse	30A	Use a fuse of the same model as this vehicle
SB06	High-speed electronic fan fuse	30A	-
FS01	A/C compressor fuse	10A	-
FS02	Electric horn fuse	15A	-
FS05	Main relay fuse	5A	-
FS07	Front left high beam fuse	10A	-
FS08	Front right high beam fuse	10A	-
FS09	Engine ECU fuse	15A	-

FS10	ABS controller fuse	5A	-
FS11	Reverse gear switch fuse	10A	-
FS12	ECU and electronic fuel injection fuse	20A	-
FS13	Oxygen sensor fuse	20A	-
FS14	Fuel pump relay fuse	5A	-
FS15	Front left low beam fuse	10A	-
FS16	Front right low beam fuse	10A	-
RLY1	High−speed electronic fan relay	40A	-
RLY2	Low−speed electronic fan relay	40A	-
RLY4	Main relay of engine	30A	-
RLY6	A/C compressor relay	30A	-
RLY8	High beam relay	30A	-
RLY9	Horn relay	30A	-
RLY10	Low beam relay	30A	-

Layout of interior fuse box

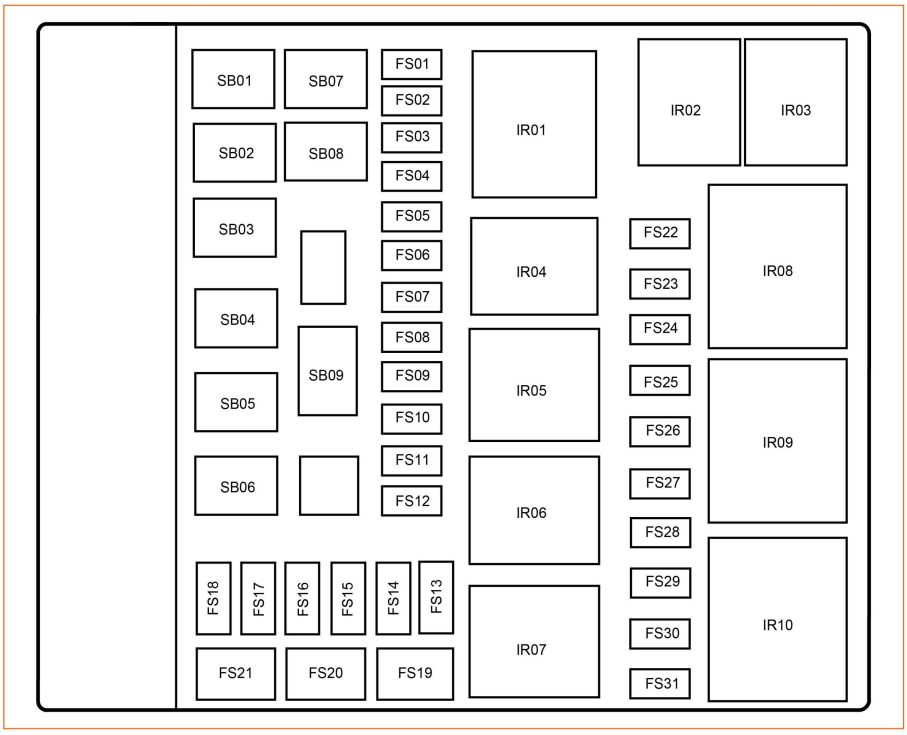
Type I



No.	Name	Rated current（A）	Description
SB01	Ignition switch fuse	30A	-
SB02	Sunroof fuse	30A	-
SB03	Glass lift fuse	25A	-
SB04	Front blower fuse	30A	-
SB05	Rear defrosting fuse	25A	-
SB06	Rear blower fuse	30A	-
SB07	Front wiper fuse	25A	-
SB08	Starter relay fuse	25A	-
FS01	Fuse of combination instrument	5A	-
FS02	Rear wiper fuse	15A	-
FS03	Fuel pump fuse	10A	-
FS04	Central lock fuse	20A	-
FS05	Brake light fuse	7.5A	-
FS06	Door light/diagnostic fuse	7.5A	-
FS07	Radio & CD player fuse	15A	-
FS08	Interior light fuse	7.5A	-
FS09	Exterior light fuse	20A	-
FS10	Washer power supply fuse	10A	-
FS13	SRS fuse	10A	-
FS14	Combination instrument/BCM fuse	7.5A	-
FS15	Engine hood IGN1 fuse	20A	-
FS18	IGN2 fuse	7.5A	-

FS22	Backlight fuse	5A	-
FS23	Front right and rear left position light fuse	5A	-
FS24	Front left and rear right position light/fuse for license plate light	7.5A	-
FS26	Rear defroster indicator light fuse	5A	-
FS27	Rear washer fuse	10A	-
FS28	Cigarette lighter fuse	15A	-
FS29	Rearview mirror fuse	5A	-
SF30	BCM/Radio & CD player fuse	5A	-
R02	Fuel pump relay	30A	-
R05	Rear defroster relay	30A	-
R08	Starter relay	40A	-
R09	Front blower relay	40A	
R10	Rear blower relay	40A	

Type II



No.	Name	Rated current（A）	Description
FS01	Fuse of combination instrument	5A	
FS02	Rear wiper fuse	15A	
FS03	Fuel pump fuse	10A	
FS04	Central lock fuse	20A	
FS05	Brake light fuse	7.5A	
FS06	Door light/diagnostic fuse	7.5A	
FS07	Radio & CD player fuse	15A	
FS08	Interior light fuse	7.5A	

FS09	Exterior light fuse	20A	
FS10	Washer power supply fuse	10A	
FS11	Rearview mirror heater fuse *	10A	
FS12	Lane Departure Warning Function Fuse*	7.5A	
FS13	SRS fuse	10A	
FS14	Combination instrument/BCM fuse	7.5A	
FS15	Engine hood IGN1 fuse	20A	
FS18	IGN2 fuse	7.5A	
FS22	Backlight fuse	5A	
FS23	Front right and rear left position light fuse	5A	
FS24	Front left and rear right position light/fuse for license plate light	7.5A	
FS25	Rear washer fuse	10A	
FS26	Rear defroster indicator fuse	5A	
FS27	Rear Cigarette Lighter Fuse	15A	
FS28	Cigarette lighter fuse	15A	
FS29	Rearview mirror fuse	5A	
FS30	BCM/Radio & CD player fuse	5A	
FS31	USB Fuse	5A	
SB01	Ignition switch fuse	30A	
SB02	Sunroof fuse	30A	
SB03	Glass lift fuse	25A	
SB04	Front blower fuse	30A	
SB05	Rear defrosting fuse	25A	
SB06	Rear blower fuse	20A	
SB06	Rear blower fuse	30A	
SB07	Front wiper fuse	25A	
SB08	Starter relay fuse	25A	
IR02	Fuel pump relay	30A	-
IR04	Rear heater relay	30A	
IR05	Rear defroster relay	30A	-
IR08	Starter relay	40A	-
IR09	Front blower relay	40A	
IR10	Rear blower relay	40A	

Vehicle Towing

1. Towing devices

Traction method

Towing with Steel Cables

The towing hook is located on the left side at the rear of the vehicle. When towing, ensure the towing cable is attached to the towing hook. If your vehicle requires towing, contact a professional vehicle towing service or organization. Do not tow your vehicle only with ropes or iron chains.

Precautions for traction

1. Turn on the hazard warning light and place the gearshift lever in neutral.

2. The towing speed must remain within the legal limit.

3. If the vehicle's transmission fails or is damaged, the vehicle's driving wheels must be off the ground during towing.

4. Turn the ignition switch to the "ACC" or "ON" position to unlock the steering wheel.

5. During towing, drivers of both vehicles should maintain close communication and start moving at low speed. Avoid sudden starts or stops to prevent inertia impact, which may lead to an accident.

6. Since the engine is not running, both the vacuum booster and the power steering pump are inoperative, so you will need to apply considerable force to the brake pedal and the steering wheel.

7. When descending a long slope, the brakes may overheat and fail. In such cases, load the vehicle onto a trailer.

Caution

In the following situations, please contact an authorized service station of Dongfeng Forthing:

- The engine is running but the vehicle cannot be driven, or other abnormal conditions occur Abnormal conditions.
- When noise develops.
- The transmission lacks lubricating oil.

Caution

- To prevent exhaust from the towing vehicle from entering the towed vehicle, set the A/C air outlet mode of the towed vehicle to internal circulation.
- Only vehicles lighter than this one should be towed.
- When using a tractor to tow the vehicle, ensure the rear wheels are off the ground.
- Do not place the front wheels on the frame for towing with a wrecker. This can cause the driveline to overheat and become obstructed, leading to an unexpected forward tilt of the vehicle.

Jump Start

If the engine cannot start due to a low battery, jumper cables can be used to start it with assistance from another vehicle's battery. Jumpering is dangerous and should be operated with caution.

Operation steps

1. Shift to neutral, apply the parking

brake lever, and turn off the engine.

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 allow the engine to idle for several minutes.

4. After the vehicle has been successfully jump-started, first disconnect the negative battery cables on both vehicles, then the positive cables.

Danger

When using jumper cables from other vehicles to start the engine, follow the proper procedures outlined in the User's Manual. Incorrect operation steps may cause fire, explosion or damage to the vehicle.

Engine Overheating

As the starter has been running for a while from its cold state, the water-thermometer pointer shall be steadily at the middle position. When the temperature is near H, the high water temperature indicator light will illuminate and steam will be visible from under the engine hood. Stop the vehicle immediately for inspection.

Countermeasure

1. Safely pull the vehicle to the side of the road, shift to neutral, and apply the parking brake. Turn off all electrical accessories and turn on the hazard warning light.

2. With the engine running steadily, open the engine hood to ventilate the engine compartment and check if the radiator fan is spinning. Confirm whether the radiator fan is rotating. If the fan is not operating, immediately stop the engine and promptly contact an authorized service station Dongfeng Forthing.

3. Once the engine coolant temperature has dropped to a normal level, turn off the engine.

4. Check the coolant level in the expansion tank. If the expansion tank is empty, be sure to wait until the engine cools down before opening the expansion tank. Otherwise, the filler may eject hot steam or boiling water, causing burns.

5. Add coolant to the expansion tank if 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.

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 expansion tank 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.

Long-term Parking of Vehicles

If the vehicle needs to be parked for a long time, the following measures shall be taken. Proper preparation aids in preventing vehicle condition deterioration and facilitates engine restart. If possible, park the vehicle indoors.

1. Refuel and replace the engine oil and oil filter.

2. Clean the interior of the vehicle and make sure that the carpet and mat are completely dry.

3. Engage the parking brake lever, shift the transmission into reverse gear, and secure 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 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. To reduce sticking, spray silicone lubricant on the sealing parts of all doors and the tailgate, and apply vehicle body wax on the paint surface where the sealing strips of doors and tailgate 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 will accumulate water vapor and damage the body surface paint.

9. If possible, regularly run the engine for a moment to make it reach to its operating temperature. (Namely, start up and shut down the cooling fan twice.) It is suggested to start up the engine once a month. Start the engine once every month.

Caution

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.

Engine Compartment

Open the engine hood

1. Pull the engine hood release handle located under the driver side instrument panel, and the engine hood will slightly pop up.

2. Move the safety lock lever in front of the engine hood leftward with fingers, and lift up the engine hood.

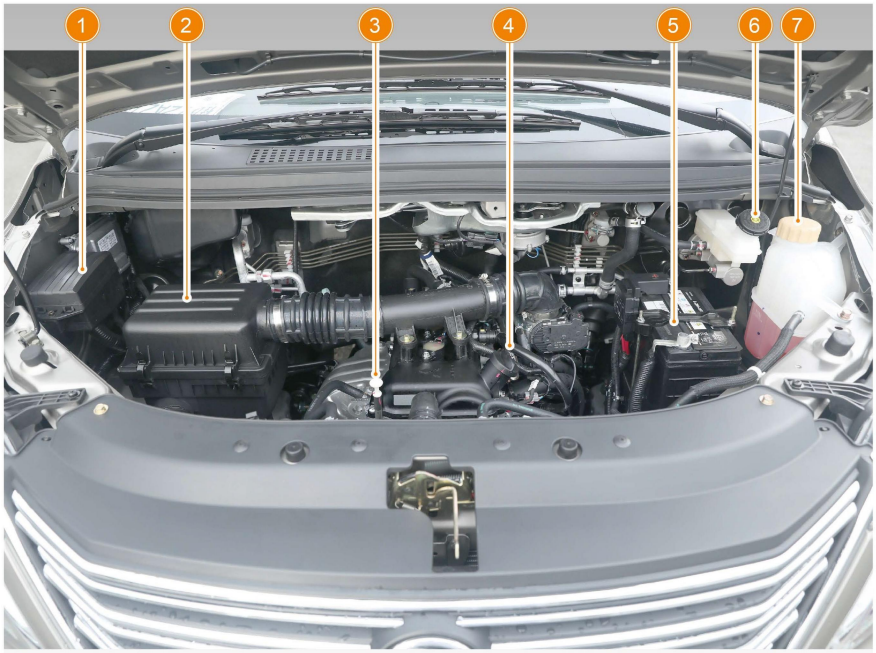
Close the engine hood

For models without engine hood pneumatic stay, lift the engine hood to a height of about 30 cm from the closing position, and then release it to allow it to fall freely to close engine hood. For models equipped with engine hood pneumatic rods, pull down the engine hood to a height of about 30 cm from the closed position, then push it down to close it, and confirm that it is locked in place.

Layout of engine compartment

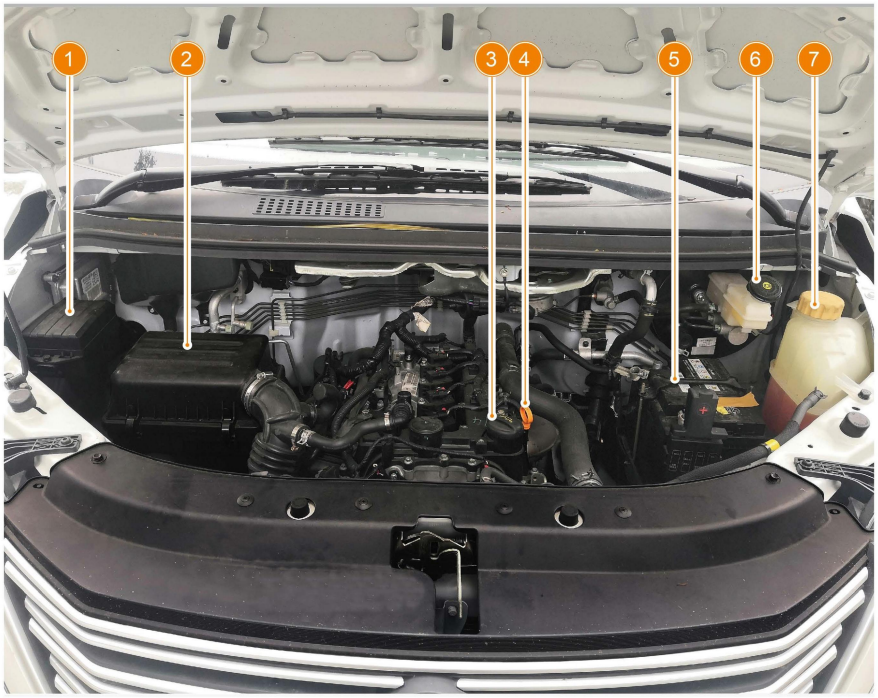
The picture is for reference only, and the actual vehicle shall prevail.

Type I



1. Engine compartment fuse box
2. Air filter
3. Engine dipstick
4. Engine oil filler cap
5. Battery
6. Brake fluid reservoir
7. Coolant expansion tank

Type II



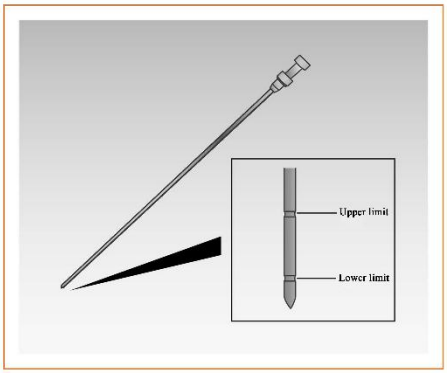
1. Engine compartment fuse box
2. Air filter
3. Engine oil filler cap
4. Engine dipstick
5. Battery
6. Brake fluid reservoir
7. Coolant expansion tank

Oil inspection

Engine Oil Inspection Method

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 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 3 minutes, and then check the engine oil level.

Engine oil level



1. Take out the engine oil dipstick.

2. Use a clean cloth or paper towel to wipe the engine oil dipstick clean.

3. Fully insert the engine oil dipstick 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, and such damage is not covered by the warranty.

Engine oil filling

1. Unscrew the engine oil filler cap and add engine oil.

2. Install the engine oil filler cap and tighten it. Warm up the engine, then shut down the vehicle. After approximately 3 minutes, check the engine oil level on the dipstick again.

Warning

Engine oil shall be poured slowly to avoid overflow. If engine oil spills, clean it up immediately to avoid damage to the engine. Add engine oil as required until the level is close to the upper limit, so as not to damage the engine.

Recommended engine oils

Engine oil plays a crucial role in the performance and longevity of the engine. Use high-quality, refined oil to ensure optimal engine performance. To maintain superior driving performance, it is recommended to use the engine oil designated by Dongfeng Forthing.

Please select the engine oil suitable for your vehicle

Applicable conditions	Model	Oil grade	Filling amount
Year−round	4A92(FR)	SL level and above 5W-30	3.5±0.2L
	4C16NR/ 4C16NR CNG	SN 5W-30 or SP 5W-30	4±0.1L (Replacement of engine oil filter)
			3.8±0.1 L (without replacing the oil filter)
	DFMB 20AQA	SN 5W-30 or SP 5W-30	5.8L (Replacement of engine oil filter)
			5.2L (without oil filter replacement)
	4C15TDR	SN 5W-30 or SP 5W-30	4±0.1 (Replacement of engine oil filter)
			3.8±0.1 (without replacing the oil filter)

Engine oil additives

This vehicle does not require any oil additives. Additives do not improve the performance or durability of the engine and

transmission.

Caution

Dongfeng Liuzhou Motor Co., Ltd. will not bear any responsibility for the adverse consequences of the engine caused by the use of additives.

Coolant

Inspection of coolant

Check whether the coolant level is between the upper limit (MAX) and the lower limit (MIN) marks. If it is lower than the MIN mark, add coolant to the coolant expansion tank to the upper limit position.

Filling of the coolant

Open the cover of fluid reservoir to add the coolant. After adding the coolant, put on the cover and tighten it. You shall always employ the year-round antifreeze coolant designated by the Dongfeng Forthing. Do not use antifreeze coolant and water to replace the year-round antifreeze coolant. Do not mix coolants of different brands; otherwise, chemical reactions may easily occur, affecting the service life of the drive motor. Please always 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 expansion tank cap, make sure that the engine and radiator have cooled down.

Brake Fluid

Inspection of brake fluid level

1. Inspect the level of the fluid reservoirs of the brake and clutch once a month.

2. The fluid level should be between the lower limit (MIN) and the upper limit (MAX) marks on the brake fluid reservoir wall. 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

The brake fluid absorbs moisture from the air. Excessive moisture content can cause corrosion and damage to the brake system, and it will also significantly lower the boiling point of the brake fluid. Therefore, please replace the brake fluid in a timely manner according to the requirements of the regular maintenance schedule. For brake fluid maintenance, please contact an authorized service station of Dongfeng Forthing.

Warning

- Be sure to use the brake fluid designated by Dongfeng Forthing or DOT3 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 is not allowed to contact the vehicle paint. Once it overflows on the paint, it needs to be cleaned with plenty of water.
- Brake fluid may damage the skin. If it accidentally splashes on the skin or eyes, wash with plenty of water. If you feel unwell, go to the hospital immediately for examination.

Maintenance and technical requirements of brake fluid

1. The brake fluid maintenance interval is every 2 years or 40,000 kilometers, whichever comes first.

2. The technical requirements for brake fluid shall comply with relevant provisions of GB12981.

Inspection of 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, you may need to add more fluid to the glass washer reservoir.

Caution

- High-quality windshield cleaning fluid can improve the scrubbing capacity and avoid frost in a cold weather.
- Antifreeze will damage the paint sprayed on the surface of the vehicle, and vinegar solution will damage the water pump of the front windshield washer. It is recommended to use the windshield washer fluid specified by Dongfeng Liuzhou Motor Co., Ltd.

A/C System

Maintenance of A/C system

It is recommended that any important maintenance work of the vehicle's A/C system, such as recharging the refrigerant, should be done by certified technicians, as it is an enclosed system. 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.

Caution

- The condenser and radiator blades are easily deformed. You can only use low-pressure water or a soft brush to clean them.
- In cold months, the A/C shall be turned on at least once a week for at least 10 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.
- Whenever the A/C system is serviced, ensure that the service station uses a refrigerant recirculation system to recover and reuse the refrigerant, as releasing it into the atmosphere can cause pollution.

Dust and Pollen Filter

The dust and pollen 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. Please refer to the content of the "Periodic Maintenance Schedule" in the User Manual.

Replace

The dust and pollen filter is located inside the front passenger's glove compartment.

1. Open the front passenger storage compartment.

2. Squeeze the upper and lower sides of the dust and pollen filter to disengage the tabs on both sides and remove the filter.

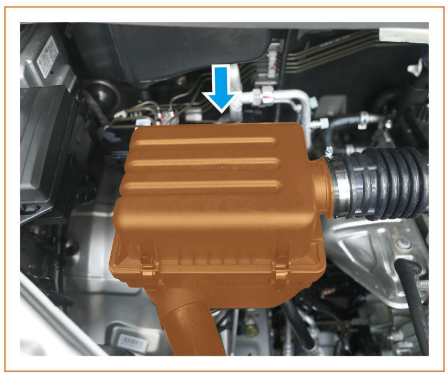
3. Insert a new dust and pollen filter.

4. Close the front passenger storage compartment.

When the A/C is not used for a long time

Even in cold weather, run the A/C for at least 5 minutes every two weeks. This is to prevent the lubrication of parts inside the compressor from deteriorating, so as to keep the A/C in the best operating state.

Air Filter



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.

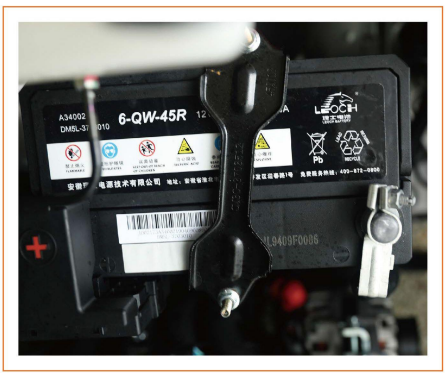
Fuel Filter

Replace the fuel filter according to the time and mileage specified in the periodic maintenance table. It is recommended to replace the fuel filter every 3 years or 60,000 km, or whenever you detect fuel contamination. 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 an authorized service station of Dongfeng Forthing.

Carbon Canister Dust Filter

Replace the carbon canister dust filter according to the intervals specified in the periodic maintenance schedule. It is recommended to replace the carbon canister dust filter every 2 years or 20,000 km, or when you notice that the canister is clogged, hindering refueling. When the vehicle runs in a dusty area, the carbon canister dust filter is blocked more easily. Please shorten the replacement interval appropriately. If you need to replace the carbon canister dust filter, please contact an authorized service station of Dongfeng Forthing.

Battery



The battery is located on the left side of the engine compartment and primarily provides power for engine startup. If the battery voltage is severely insufficient, the engine will fail to start. The vehicle is equipped with maintenance−free battery.

Battery use and precautions

1. Do not use electrical appliances such as light, sound and wiper for a long time when the engine stops.

2. If you plan to park the vehicle for more than five days, it is recommended to unplug the negative terminal of the battery to prevent on-board electrical appliances

from consuming battery power.

3. After parking, check whether such electrical appliances as light, sound and A/C are shut down.

4. Check the battery once a month. Check for corrosion on the terminal (white or light yellow powder). If corrosion is present, please contact an 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: Rinse with water in a cup or other container for at least 15 minutes, and seek medical advice immediately.

Skin: Take off contaminated clothes, wash skin with plenty of water, and seek medical advice immediately.

If electrolyte is mistakenly ingested: Drink water or milk and seek medical attention immediately.

Warning

- If you have to connect the battery to other chargers, you shall disconnect both positive and negative cables of the battery so as to prevent the electrical appliances in the vehicle from being damaged. You shall remember that the negative cable of the battery must be disconnected at first; for re-connection, the negative cable must be connected after other parts have been connected. Disconnect the negative cable first. During re-connection, it shall be connected last.
- During the normal operation, the battery may generate explosible hydrogen. Spark or open fire will cause the batter to explode, which may lead to severe damages and casualties. Sparks or open flames will cause the battery to explode, and its explosion energy is enough to cause serious injury.

Tire

Brief Introduction

In order to drive safely, tire type and size must be suitable for the vehicle. The tire tread should be in good condition and the tire pressure should be within the standard range.

Caution

- Using tires with excessive wear or insufficient tire pressure will cause accidents and personal injuries.
- All descriptions about tire inflation and maintenance in this Manual must be complied with.

Overview of Inflation

Maintaining appropriate tire pressure can achieve the best state of maneuverability, tread life and riding comfort.

Tires that are insufficiently inflated will suffer uneven wear, which affects maneuverability and increases fuel consumption, potentially leading to air leak 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 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:

1. It is recommended to visually inspect the tires before each driving each time.

2. Measure the tire pressure with a tire gauge at least once a month.

3. Measure tire pressure when the tire is in a cold state.

4. If necessary, inflate or deflate the tire to match the cold tire pressure recommended on the driver's side door frame label.

5. If the tire pressure is checked when the tire is hot (after several kilometers of driving), the pressure reading will be 30 to 40 kPa higher than the reading in cold state. This phenomenon is normal. Do not deflate to reach the specified cold tire pressure reading, which will cause insufficient tire pressure.

6. You should carry a tire pressure gauge and use it to check tire pressure every time.

7. If the cold tire pressure is below 250kPa, immediately adjust the tires to the standard pressure.

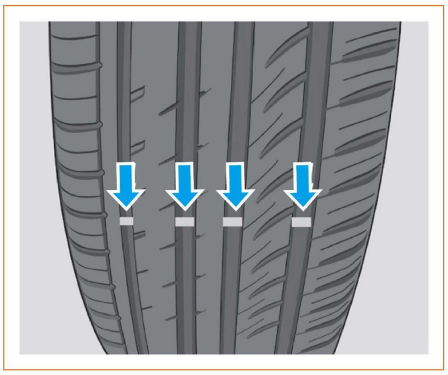
Tire inspection

When checking the inflation state of the tires, check the tires for damage, penetration, and wear. You should check:

1. Tread or side damages and bulges. If any of the conditions is found, replace the tire.

2. Side scratches, cracks or fractures of tire. If the tire fabrics or cords are exposed, replace the tire.

3. Excessive tread wear.

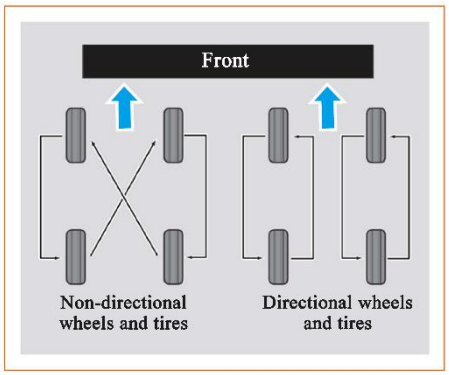


The tire must be kept in good condition, and the tread pattern on the tire surface shall be deep enough. The tire wear degree can be measured by the raised points in the tire driving belt. If the tread depth is less than 1.6 mm, the tire must be replaced. Such tire lacks adhesion when driving on a slippery road.

Tire maintenance

In addition to proper inflation, correct wheel alignment can also help reduce tread wear. If you find that the tires are worn unevenly or you feel some continuous vibration during driving, please contact an Dongfeng Forthing authorized service station.

Tire Rotation



In order to prolong the service life of the tire and make the tire wear evenly, the tire position shall be changed every 10, 000 km. Each time of transposition, the operation shall be carried out according to the method shown in the above figure.

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 best to replace all four tires at the same time. If it is not possible or not necessary to do so, the two front tires or rear tires shall be replaced in pairs. Replacement of one tire only can seriously affect the maneuverability of the vehicle. Replacing only one tire will seriously affect the maneuverability of the vehicle.

If the wheels need replacement, it's advisable to use original tires to maintain optimal performance. Before replacing the wheel, please contact the authorized service station of Dongfeng Forthing.

Specifications of wheels and tires

Rim specification:

15×6J, 15×5.5J, 16×6.5J

Tire specifications:

195/70 R15, 215/60 R16

Dynamic balancing requirements for wheel and tire assembly: must not exceed 5 grams on either the inner or outer side. For tire sizes suitable for this vehicle, refer to the label at the driver's side door frame or consult an 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 use winter tires with a lower rated speed, do not exceed the maximum rated speed of the tires when driving.

Anti-skid Chain

Snow anti-skid chains can only be used in emergency situations or when driving through specific areas expressly stipulated by law.

Snow antiskid chains should be installed on at least two driving wheels at the same time. It is forbidden to install tire chains on only one front or rear wheel. Do not install tire chains on one side of two left wheels or two right wheels. For specific installation precautions, please follow the instructions of the tire chain manufacturer. The suggestions provided in this manual are for reference only. The actual installation shall be subject to the communication result between the vehicle owner and the tire chain manufacturer.

After antiskid chains are installed, the vehicle has poor maneuverability. Drive at a low speed and avoid full load. Select antiskid chains that match with tires. Please read the component assembly drawing and other instructions of the tire chain manufacturer carefully.

Tire Pressure Monitoring System *

Direct Tire Pressure Monitoring System (DTPMS)

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"

section in Chapter II "Instruments" 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 30 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.

Indirect tire pressure monitoring system

The TPMS can only monitor tire underpressure when the vehicle is running. If the tire pressure of one or more tires is abnormal, a tire pressure warning light and text alert will appear on the combination instrument.

Tire underpressure

When one or more tires are under-inflated, the tire pressure monitoring system will issue a low tire pressure alert. The tire pressure warning indicator light on the combination instrument will stay on continuously, and the buzzer will sound for 5 seconds before stopping. For certain models, the combination instrument alerts "Abnormal Tire Pressure".

In this case, the driver should immediately pull over the vehicle in a safe place and check all the tires and tire inflation pressure of the vehicle. Please pay attention to safety during pull-over and avoid violent steering/braking operations. Once the cause of the tire underpressure alert is resolved, the tire pressure monitoring system should be reset (refer to "Tire Pressure Monitoring System Resetting" in this chapter for details).

The TPMS may give an alarm in the following cases:

1. The tire pressure is changed manually.

2. The inflation pressure of one or more tires is too low.

3. The tire is structurally damaged.

4. One wheel is replaced respectively for the front and rear axles.

5. TPMS is not reset after any tire is replaced or the tire pressure is changed;

6. One side of the vehicle carries a heavier load.

7. The wheel load on an axle is large, such as full load.

8. Any snow chain is installed.

9. Installing the spare tire.

Caution

- The TPMS can detect tires with low pressure. When the vehicle issues a tire underpressure alert, inspect both the alerted and unalerted tires, as well as their inflation pressures.
- The tire pressure monitoring system is developed for Dongfeng Forthing original tires. We recommend using Dongfeng Forthing original tires; otherwise, there is a risk of system fault alarm or abnormal performance.
- When the vehicle is running on dirt roads, gravel roads, mountain roads, icy and snowy roads, or in sports mode, the TPMS is partially or completely turned off for a

short time. If the vehicle is driven in these conditions for a long time, the alarm time of the TPMS is prolonged.

- Using tires with non-conforming air pressure may lead to accidents and tire damage. The driver is responsible for ensuring that all tires are inflated to the correct pressure. Therefore, be sure to inflate all tires to the correct pressure value that is indicated on the tire pressure nameplate. The TPMS can work only when all cold-state tire pressures are correct.

TPMS fault indicator

When the signal for the tire pressure monitoring system is either not received or invalid, the tire pressure warning indicator light on the combination instrument will blink for 60 seconds and then remain on. In some models, the combination instrument displays a "TPMS fault" message.

During this time, the vehicle loses its tire pressure monitoring capability. Please drive cautiously and proceed to a Dongfeng Forthing authorized service station for repairs at your earliest convenience.

Caution

- In the case of ABS/ESP fault, the tire pressure monitoring display may also lose its function.
- System failure may occur after the vehicle is equipped with tire chains.
- In the case of a tire underpressure alarm, resetting the TPMS without ensuring that the tire pressure is normal may cause the TPMS to be manually cleared. As a result, the TPMS may fail or the actual tire pressure may be excessively low at the next alarm. Therefore, make sure that all tires and tire pressures are normal before resetting.

Tire Pressure Monitoring System Reset

Tire pressure resetting is required after:

1. Adjust the inflation pressure of one or more tires to the standard pressure.

2. Replace any tire/wheel, including changing their positions.

3. Conduct dynamic balance for wheels.

4. Carry out technical modification on the chassis.

5. Ambient temperature exceeding 40 ºC since the last reset.

6. After the vehicle has been in use for one year or 10,000 km.

The steps to reset the TPMS system for the segment code screen II/III combination instrument are as follows:

1. Ensure all four tires are at standard pressure, pull up the parking brake lever, and start the vehicle.

2. Press and hold the indirect tire pressure reset button for at least 10 seconds (no more than 20 seconds). Release the button when the tire pressure warning indicator light on the combination instrument flashes six times and subsequently goes out. This indicates that the TPMS has been successfully reset.

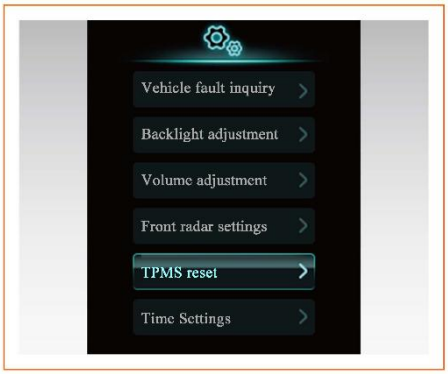
3. If the tire pressure warning indicator light on the combination instrument flashes and then remains on for 2 seconds, accompanied by five buzzer beeps, it signifies that the reset has failed. Please follow the above steps again.

The steps to reset the TPMS using the LCD combination instrument is as follows:

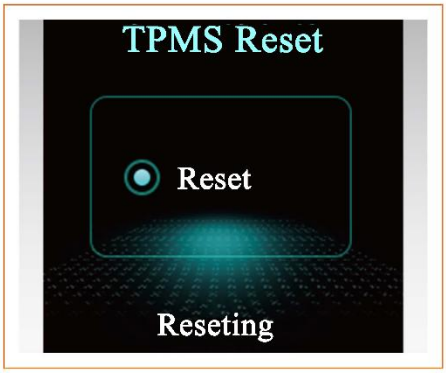
1. Ensure all four tires are at standard pressure, pull up the parking brake lever, and start the vehicle.

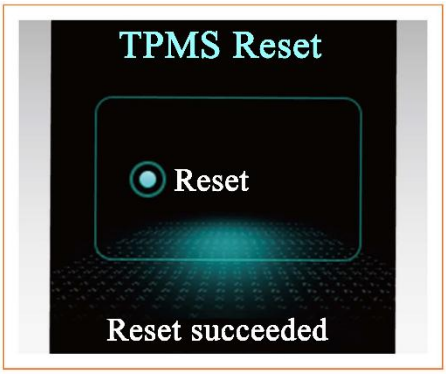
2. Press the confirmation button located on the right side of the steering wheel.

3. Use the UP/DOWN buttons on the right side of the steering wheel to navigate until the "TPMS Reset" option appears on the combination instrument.



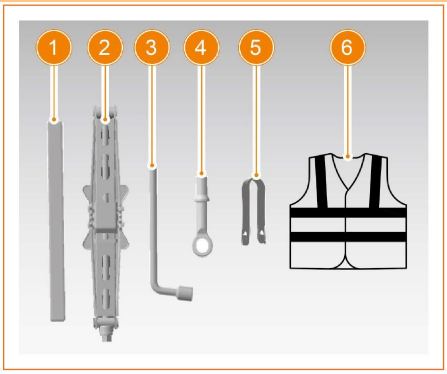
4. Press the confirmation button on the right side of the steering wheel again. Initially, the combination instrument will display "Resetting", followed by "Reset Successful".





5. If the combination instrument shows "Reset Failed", please repeat steps 2 to 4.

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 wheel nut cap clip is located in the vehicle documentation pouch, while other onboard tools are stored in the tool kit positioned on the trunk carpet. The reflective vest is placed in the storage compartment in front of the front passenger.

Daily inspection items

Item	Inspection contents
Engine oil level	Check the engine oil level when refueling.
Engine coolant level	The coolant level should be checked at each refueling.
Brake pedal	Check the brake pedal for its maneuverability before driving each time.
Parking Brake Lever	Check the parking brake lever for its maneuverability before driving each time.
Horn	Check whether the horn is normal before driving each time.
Doors	Check if the trunk lid and all other doors (including middle-row rear doors) can be opened/closed freely and locked firmly.
A/C System	The operation of the A/C unit shall be checked weekly.
Windshield washer fluid	The stock of washing liquid should be checked once a month.
Windshield wiper	Check the wiper once a month.

Brake and clutch	Check the fluid level once a month.
Tire	Check the tire pressure once a month. Check the tread for wear and foreign matters.
Battery	Check the battery condition and terminal corrosion once a month.
Windshield Defrosting device	Check the air outlet of defroster every month when using the heating device and the A/C.
Lights	Check the condition of the headlights, turn signals, brake lights, high-mounted brake lights, and license plate lights once a month.

Appearance Maintenance

Regular and professional maintenance can keep the vehicle in good condition. The following will introduce how to keep the appearance of the vehicle clean, including paint, polishing and wheel cleaning, as well as anti-corrosion measures.

Vehicle washing

Frequent washing helps preserve your car's appearance. Dust and grit will scratch the paint surface, and leaves and bird droppings will permanently damage the surface finish of the vehicle body. Clean the vehicle body at a shade place. If the vehicle has been parked under sunlight for a long time, before cleaning it, drive it to a shade place. Clean the vehicle after the surface of the vehicle body is cooled.

Use only solvents and cleaning agents recommended in the User Manual. As drying the vehicle, check it for chips or scratches. If found, repair it with touch-up paint.

Caution

- Chemical solvents and powerful cleaning agents can damage paint, metal and plastic parts of the vehicle body. Use cold water to wash the vehicle completely so as to clear floating dust.
- Check the vehicle body for asphalt, leaves and other dirt, which can be removed with asphalt remover or turpentine, and then wash it with clean water immediately to avoid damaging the surface finish of the vehicle body.
- After you have cleaned the entire body surface, wipe it dry 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. Wax the vehicle only after thoroughly cleaning and drying it, and wax it at least once every three months, which helps to protect the body. Please use high quality liquid wax or paste wax. When using, refer to 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. Apply this type of wax to a newly purchased vehicle.

Polishing wax

Polishing wax can repair the paint that has been oxidized or lost its gloss, making it glossy again. Such waxes generally contain soft abrasives and solvents to remove oxidized paint surfaces. If the original gloss cannot be restored after the body wax is applied, polishing wax shall be applied.

Caution

When using a cleaner to remove dirt such as asphalt and insects, dewaxing may occur. Therefore, it is necessary to rewax the affected areas.

Refinishing

Small cracks and scratches on the paint coating shall be repaired immediately with a special repair film or repair paint 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 with the same solution, rinse thoroughly with water.

Interior Maintenance

Carpets

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 carpets with detergent will keep them in better condition.

Fabric

The dust and dirt on the textile fabrics would often be cleaned by a vacuum cleaner. Wash with low-temperature neutral soapy water and dry 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. Use soft cloth with clean water to clean the leather, and then use another soft cloth to rub and polish the leather. If further cleaning is required, use special soap to clean the leather. Clean the leather with a soft cloth dipped in clean water, and then wipe it dry 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 paper towel.

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 any seat belt until it is dry.

In case of lots of accumulated dust at the connecting ring of the seat belt connector, the retraction of the seat belts will be slowed down. Use clean cloth with mild and warm soap solution or isopropyl alcohol to wipe the interior side of the connecting ring clean. The inner side of the loop can be scrubbed with a clean soft cloth dipped in neutral warm soapy water or isopropyl alcohol. 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 it is necessary to use air freshener or deodorant in the vehicle, it is recommended to select solid type. Some chemical components contained in liquid air freshener will cause fiber breakage or fading of interior trims and braided fabrics.

If using liquid air freshener, ensure it is securely fastened to prevent splashing while driving.

Corrosion prevention

Vehicles are usually corroded for two reasons:

1. Moisture accumulated in the vehicle's body cavities.

2. Peeling of the protective paint and coating on the body surface and underbody.

Repair and Maintenance of the CNG Gas Supply System

Daily inspection

1. Inspect the installation and fastening of components such as the gas cylinder, CNG high-voltage solenoid valve, pressure reducer, fuel gas injector rail, and nozzle. Tighten any loose fasteners.

2. Inspect the low-pressure rubber hose, gas supply pipe, and vacuum line.

3. Examine the gas supply system for any leaks in the pipelines and joints, and check for any alarm signals from the air volume display alarm switch. Also, ensure there is no odor present, as natural gas is odorized. If any damage or leaks are detected, promptly visit an authorized Dongfeng Forthing service station for repairs.

4. Inspect the low-pressure filter: clean out any oil residues in the filter housing and assess the condition of the filter element. If excessive oil residue is present or the filter element is contaminated, reduce the inspection and filter element replacement interval.

Disassembly and cleaning:

1) Park the vehicle as recommended, turn off the ignition switch, and for added safety, disconnect the vehicle battery.

2) Secure the upper casing of the low-pressure filter, and use an S24 socket wrench to unscrew the lower casing. If needed, first remove the low-pressure filter to facilitate securing the upper casing.

3) Inspect the filter element and position it in a clean area to prevent contamination. The filter element must not be cleaned by itself, as this could damage the filter paper and cause filter failure.

4) Use a cloth or paper towel to clean the interior of the lower casing. After cleaning, ensure the interior is dry and free of impurities such as dust, oil, and water.

Installation:

1) Place the sealing ring and filter element back in their original positions in order, and hand-tighten the lower casing onto the upper casing.

2) Using an S24 socket wrench, tighten the lower casing to the upper casing with a torque of 22N.m±0.5N.m.

3) Verify that the filter and pipeline are properly connected. Start the vehicle and check again for any air leaks at the filter.

Regular maintenance of system and test on functional part

1. The CNG gas supply system should receive a routine maintenance every month at the nearest Dongfeng Forthing authorized service station.

2. The CNG cylinders must undergo air tightness and strength testing every three years by a certified special equipment testing agency.

3. The inflation valve pressure gauge should be calibrated annually.

4. The regular test of other parts should refer to the stipulations stated in the regular maintenance of CNG gas supply system.

Routine Inspection and Maintenance of CNG Gas Supply System

The regular maintenance tasks include:

1. Detection for air-tightness of system: Use a leakage detector to check for airtightness. If leakage is found, repair them immediately.

2. Manual valve function check of gas cylinder: Verify that the manual valve's open and close functions are operational. The manual valve of the gas cylinder also incorporates functions like overcurrent protection and pressure relief. Check for any damage or abnormalities in its appearance, and promptly repair or replace it if any issues are found.

3. Functional check for pressure reducer: check whether the solenoid valve

works normally; check whether the outlet flow of the pressure reducer meets the operating requirements of the engine, and immediately repair, adjust or replace it once problem is found;

4. Air volume display alarm switch check: Inspect the function, identify any issues, and immediately repair or replace if necessary.

5. Inflation valve inspection: Examine the silicon oil level in the pressure gauge to ensure it's not below half, ensure the ball valve handle moves freely, check for any minor leakage at the charging nozzle, and inspect the charging nozzle's dust cap for damage. If any issues are identified, repair or replace the affected parts immediately.

6. Leakage detection for cylinder port: use a leakage detector for testing airtightness and preferably repair it, or else replace the cylinder if it is unrepairable.

7. Functional check for system electrical parts: immediately repair or replace functional defects once they are found.

8. Gas cylinder fastening bolts torque inspection: Use a torque wrench to check the fastening bolts of the gas cylinder. Tighten them immediately if any looseness is found.

Warning

The components of the CNG gas supply system are calibrated and tested prior to delivery. Do not adjust or disassemble these components. If any part replacement is required, please contact a Dongfeng Forthing authorized service station to avoid potential safety risks.

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.

Engine Compartment

Vehicle identification information

There are several vehicle identification numbers (VINs) on your vehicle, which are located in different positions.

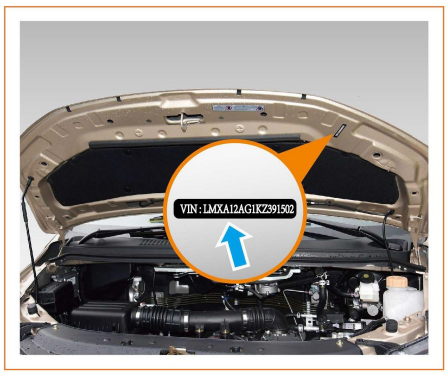
1. It is affixed to the front right pedal.

2. It is affixed to the inner panel of the rear trunk lid.

3. It is affixed to the right inner panel of the front door.

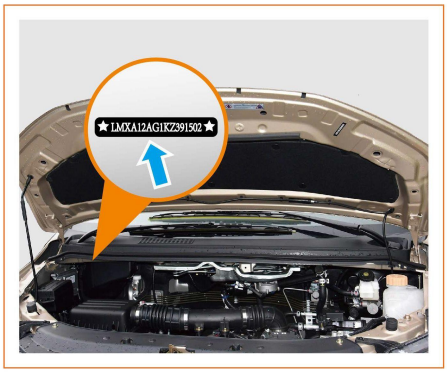
4. It is affixed to the right side of the storage compartment panel.

5. It is affixed to the right side inside the engine hood.



6. It is pasted on the right side of the front windshield.

7. It is engraved on the left side of the crossbeam beneath the wiper cover.



Caution

You can use the specialized equipment at the vehicle administration office or at a Dongfeng Forthing authorized service station to connect to the vehicle's OBD interface and retrieve the VIN code information from the ECU.

Vehicle Factory Nameplate

The vehicle sign is located under the right center pillar and contains the following information:

1. Country of manufacture

2. Manufacturer

3. Brand name

4. VIN

5. Vehicle model

6. Engine model

7. Maximum engine net power

8. Date of manufacture

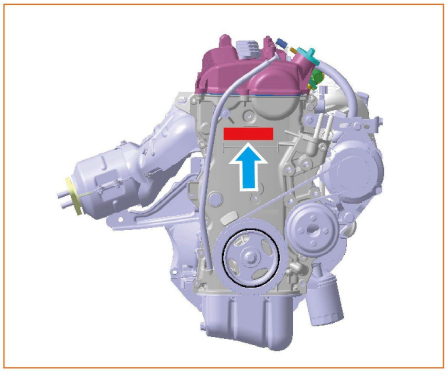
9. Engine displacement

10. Maximum allowable total mass

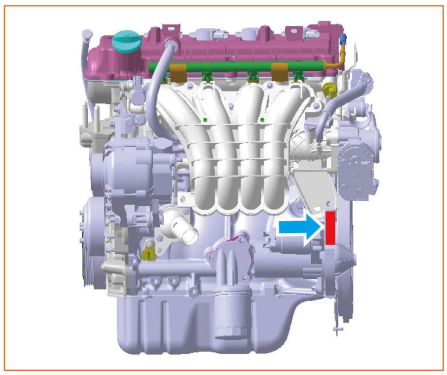
11. Occupants

Engine No.

4A92 (FR) Engine Number Label Position

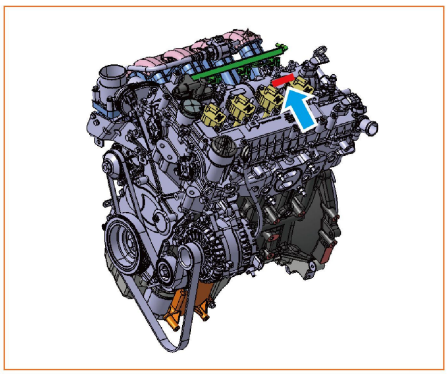


4A92 (FR) Engine Engraving Position

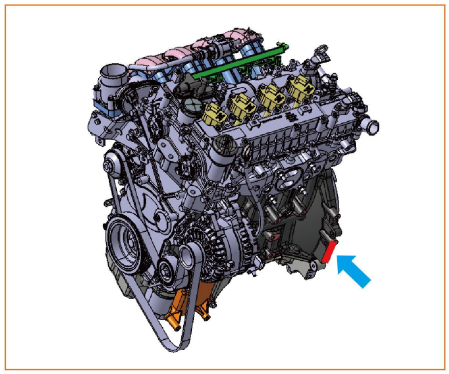


4C16NR Engine Number Label Position

The engine model and serial number are printed on the engine block, with a permanent label affixed to the cylinder head cover.

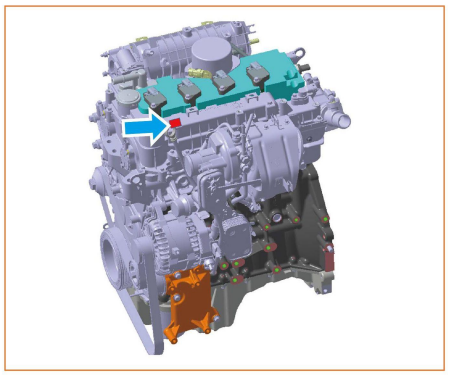


4C16NR Engraving position of engine model

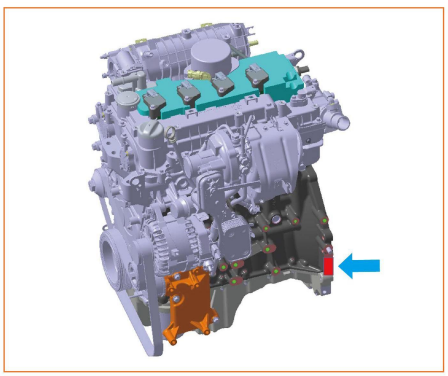


DFMB20AQA Engine Engraving Position

Permanent label attachment position for 4C15TDR Engine



4C15TDR Engine Model and Serial Number Stamping Position



Microwave Window

The microwave window of the vehicle is located in the horizontal center and vertically upward position of the front windshield.

The vehicle's electronic identification should be installed centrally and to the left of the microwave window, ensuring it is not blocked by the interior rearview mirror mount, sensor bracket, etc. This tag stores relevant vehicle information.

Caution

- 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 electronic identification of the vehicle! If the sign is damaged, please apply again at the sign issuing agency in time.

Main Dimensional Parameters of Vehicle

Item	Unit	LZ6475MQ16BM LZ6473MQ16BM LZ6474MQ16BM	LZ6510VQ16BM LZ6515MQ16BMN LZ6511VQ16BM LZ6517MQ16BMN	LZ5023XX YMQ16BM	LZ6511MQ20BM LZ6511MQ20BMN LZ6513MQ20BM LZ6513MQ20BMN
Vehicle length	mm	4735,4745	5135,5145	5145	5135,5145
Vehicle width	mm	1720	1720	1720	1720
Height	mm	1955	1970	1975	1970
Front wheel tread	mm	1445	1445	1445	1445
Rear wheel tread	mm	1420	1420	1420	1420
Wheelbase	mm	2800	3000	3000	3000

Item	Unit	LZ6510 N15B0	LZ6476 MQ16BM	LZ6510 N16B0	LZ6470 N16B0	LZ5020X XYN16B0	LZ6510 N16B1
Vehicle length	mm	5135	4735,4745	5135	4735	5145	5135
Vehicle width	mm	1720	1720	1720	1720	1720	1720
Height	mm	1970	1955	1970	1955	1975	1970
Front wheel tread	mm	1445	1445	1445	1445	1445	1445
Rear wheel tread	mm	1420	1420	1420	1420	1420	1420
Wheelbase	mm	3000	2800	3000	2800	3000	3000

Item	Unit	LZ6510 N16B2	LZ6470 N16B2	LZ6470 N16B3	LZ5020 XXYN16B1	LZ6510N 16B0CNG
Vehicle length	mm	5135	4735	5135	5145	5135
Vehicle width	mm	1720	1720	1720	1720	1720
Height	mm	1970	1955	1955	1975	1970
Front wheel tread	mm	1445	1445	1445	1445	1445
Rear wheel tread	mm	1420	1420	1420	1420	1420
Wheelbase	mm	3000	2800	2800	3000	3000

Vehicle Weight Parameters

Item	Unit	LZ6475MQ16BM	LZ6473MQ16BM	LZ6474MQ16BM	LZ6510VQ16BMLZ6511VQ16BM	LZ6515MQ16BMNLZ6517MQ16BMN

Technical Parameters

Number of passengers	Person	5	5	7	7	7	9
Curb weight	kg	1490	1550	1560	1560	1650	1650
Front axle curb mass	kg	820,830,840	820,840	795,830	830,845	885,870,860,845	835,840,850,860
Rear axle curb mass	kg	650,660,670	710,730	730,765	715,730	765,780,790,805	815,810,800,790
Maximum mass	kg	2105	2100	2285	2325	2325	2325
Maximum mass of front axle	kg	950	950	985	985	985	985
Maximum mass of rear axle	kg	1155	1150	1300	1340	1340	1340

Item	Unit	LZ5023XXYMQ16BM	LZ6513MQ20BM	LZ6511MQ20BM		LZ6511MQ20BMNLZ6513MQ20BMN	LZ6510N15B0	
Number of passengers	Person	2	7	7	7	9	7	9
Curb weight	kg	1510	1670	1670	1690	1690	1660,1715	1700
Front axle curb mass	kg	870	890,900	890,900	900,880,890	885	900,930,915	925,900
Rear axle curb mass	kg	640	780,770	780,770	790,810,800	805	760,785,800	775,800
Maximum mass	kg	2325	2480	2320	2320	2320	2170	2285
Maximum mass of front axle	kg	985	1030	1000	1000	1025	1050	1045
Maximum mass of rear axle	kg	1340	1450	1320	1320	1295	1120	1240

Item	Unit	LZ6476MQ16BM	LZ6510N16B0			LZ6470N16B0	LZ5020XXYN16B0	LZ6510N16B1
Number of passengers	Person	7	7	7	9	7	2	5
Curb weight	kg	1650	1645	1605	1585	1550	1510	1535
Front axle curb mass	kg	870,860,845	840	830,850,860,830	850	835,850	860	840
Rear axle curb mass	kg	780,790,805	805	775,755,745,755	735	715,700	650	695
Maximum mass	kg	2285	2100	2081	2197	2005	2150	1860
Maximum mass of	kg	985	985	985	965	985	950	975

front axle								
Maximum mass of rear axle	kg	1300	1115	1096	1232	1020	1200	885

Item	Unit	LZ6510N16B2		LZ6470N16B2	LZ6470N16B3	LZ5020XXYN16B1	LZ6510N16B0CNG
Number of passengers	Person	7	9	5	7	2	7
Curb weight	kg	1645,1605	1585,1626	1485	1550	1510	1635,1710
Front axle curb mass	kg	840,830,850,860	830,850,875,844	835	835,850	860	880,865,900
Rear axle curb mass	kg	805,775,755,745	755,735,751,782	650	715,700	650	755,770,810
Maximum mass	kg	2211,2100	2081,2197	1810	2005	2150	2235
Maximum mass of front axle	kg	985	985,965	970	985	950	1045
Maximum mass of rear axle	kg	1226,1115	1096,1232	840	1020	1200	1190

Engine Parameters

Engine model	Unit	4A92(FR)	4C16NR	DFMB20AQA
Type	-	In-line, four-cylinder, 16-valve, liquid-cooled		
Displacement	L	1.59	1.646	1.997
Cylinder diameter × stroke	mm	Φ75×90	Φ75×93.13	Φ85×88
Compression ratio	-	10.5	11.2±0.3	12±0.3
Rated power	kW/rpm	90/6000	85/5600	98/6000
Maximum net power	kW/rpm	80/6000	78/5600	95/6000
Maximum net torque	Nm/rpm	151/4000	150/4000	190/4400
Ignition order	-	1-3-4-2		
Overall emission level	-	China VI B		

Engine model	Unit	4C15TDR	4C16NR CNG
Type	-	In-line, four-cylinder, 16-valve, liquid-cooled	
Displacement	L	1.493	1.646
Cylinder diameter ×	mm	Φ75×84.5	Φ75×93.13

stroke			
Compression ratio	-	9.7±0.3	11.2±0.3
Rated power	kW/rpm	140/5500	75/5600
Maximum net power	kW/rpm	125/5500	68/5600
Maximum net torque	Nm/rpm	280/1500~3500	132/4000
Ignition order	-	1-3-4-2	
Overall emission level	-	China VI B	

Chassis Main Assembly

Item		LZ6475MQ16BM LZ6473MQ16BM LZ6474MQ16BM	LZ6510VQ16BM LZ6515MQ16BMN LZ6511VQ16BM LZ6517MQ16BMN LZ6510N16B0	LZ5023XXYMQ16BM LZ6476MQ16BM LZ6470N16B0 LZ5020XXYN16B0
Speed changing	Device Type	5MT		
Suspension system	Front suspension	Double-wishbone torsion rod spring independent suspension		
	Rear suspension	Non-independent leaf spring suspension		
Steering system	Power steering type	Hydraulic power steering, electric power steering	Electronic power steering	
Brake system	Structural type	X-type hydraulic dual-pipe, double-diaphragm vacuum booster disc		
	Front brake	Disc brake		
	Rear brake	Drum brake	Drum/disc	Drum brake
	Free travel of brake pedal	1mm~12mm		

Item		LZ6510N16B1 LZ6470N16B2 LZ6470N16B3 LZ5020XXYN16B1	LZ6510 N16B2	LZ6511MQ20BM LZ6511MQ20BMN LZ6513MQ20BM LZ6513MQ20BMN LZ6510N15B0
Transmission type		5MT		6MT
Suspension system	Front suspension	Double-wishbone torsion rod spring independent suspension		
	Rear suspension	Non-independent leaf spring suspension		
Steering system	Power steering type	Hydraulic power steering		Electronic power steering
Brake system	Structural type	X-type hydraulic dual-pipe, double-diaphragm vacuum booster		
	Front brake	Disc brake		
	Rear brake	Drum brake	Drum/disc	Drum brake
	Brake pedal	1mm~12mm		

	Free travel	

Reasonable Service Range of Brake

Item		LZ6475MQ16BM/LZ6474MQ16BM LZ6510VQ16BM/LZ6515MQ16BMN LZ6511VQ16BM/LZ6517MQ16BMN LZ6511MQ20BM/LZ6511MQ20BMN LZ6513MQ20BM/LZ6513MQ20BMN LZ6510N15B0/LZ6473MQ16BM LZ6476MQ16BM/LZ6510N16B0 LZ6470N16B0/LZ6510N16B1 LZ6510N16B2/LZ6470N16B2 LZ6470N16B3	LZ5023XXYMQ16BM LZ5020XXYN16B0 LZ5020XXYN16B1
Front wheel brake disc	Setting value（mm）	24	
	Service limit（mm）	22	
Front wheel brake pad	Setting value（mm）	10	
	Service limit（mm）	2	
Rear wheel brake disc	Setting value（mm）	20	
	Service limit（mm）	18	
Rear wheel brake pad	Setting value（mm）	10	
	Service limit（mm）	2	
Rear brake drum (Inner diameter)	Setting value（mm）	254	270
	Service limit（mm）	256	272
Drum lining	Setting value（mm）	4.8	4.7
	Service limit（mm）	2	

Vehicle Power Performance

Item	Unit	LZ6475MQ16BM/LZ6474MQ16BM LZ6473MQ16BM/LZ6470N16B0/LZ6470N16B2 LZ6470N16B3/LZ6510N16B1/LZ6510N16B0/LZ6510N16B2/ LZ5020XXYN16B0/LZ5020XXYN16B1
Maximum vehicle speed	km/h	140
Maximum gradeability	%	30
Note: The maximum speed for commercial vehicles is limited to 100 km/h.		

Item	Unit	LZ5023XXYMQ16BM/ LZ6510VQ16BM LZ6515MQ16BMN/LZ6511VQ16BM LZ6517MQ16BMN/LZ6476MQ16BM	LZ6511MQ20BM LZ6511MQ20BMN LZ6513MQ20BM LZ6513MQ20BMN	LZ6510 N15B0
Maximum vehicle speed	km/h	115	140	160

Maximum gradeability	%	30	30	30
Note: The maximum speed for commercial vehicles is limited to 100 km/h.				

Vehicle Trafficability

Item	Unit	LZ6475MQ16BM LZ6474MQ16BM LZ6473MQ16BM LZ6476MQ16BM	LZ6510VQ16BM LZ6515MQ16BMN LZ6511VQ16BM LZ6517MQ16BMN	LZ5023XX YMQ16BM	LZ6510 N15B0
Approach angle（no load）		17,20	17,20	17,20	17
Departure angle（no load）		20	16	16	16
Ramp angle（no load）		18			16
Minimum turning diameter	m	12			
Minimum ground clearance	mm	155	155	150	155

Item	Unit	LZ6511MQ20BM/LZ6511MQ20BMN LZ6513MQ20BM/LZ6513MQ20BMN	LZ6510N16B0 LZ6510N16B1 LZ6510N16B2
Approach angle（no load）		17,20	17
Departure angle（no load）		16	16
Ramp angle（no load）		18	18
Minimum turning diameter	m	12	
Minimum ground clearance	mm	155	155

Item	Unit	LZ6470N16B0 LZ6470N16B2 LZ6470N16B3	LZ5020XXYN16B0 LZ5020XXYN16B1	LZ6510N16B0CNG
Approach angle（no load）		17	20	17
Departure angle（no load）		20	16	16
Ramp angle（no load）		18	18	16
Minimum turning diameter	m	12		
Minimum ground	mm	155	150	155

clearance		

Fluid List

Item	Specification	Capacity
Gasoline	92# and above	Pure Fuel Model: 55L CNG Model: 15L
Engine Oil (4A92(FR))	SL level and above 5W-30	3.5±0.2L
Engine oil （4C16NR/4C16NR CNG）	SN 5W-30 or SP 5W-30	4±0.1 L (with oil filter replacement); 3.8±0.1 L (without replacing the oil filter)
Engine oil (DFMB20AQA)	SN 5W-30 or SP 5W-30	5.8L (with oil filter replacement); 5.2 L (without oil filter replacement)
Engine oil (4C15TDR)	SN 5W-30 or SP 5W-30	4.3±0.1L (initial fill); 4±0.1 (with oil filter replacement); 3.8±0.1 (without replacing the oil filter)
Engine coolant (4A92(FR))	OAT-35	Fill antifreeze up to the MAX line, tolerance (-5, 0) mm
Engine coolant (4C16NR)	OAT-35	Fill antifreeze up to the MAX line, tolerance (-5, 0) mm

Item	Specification	Capacity
Engine coolant (DFMB20AQA)	OAT-35	Fill antifreeze up to the MAX line, tolerance (-5, 0) mm
Engine coolant (4C15TDR)	OAT-35	9.5±0.2L
Rear axle gear oil	GL-5 80W-90	1400±50mL
5MT transmission oil	GL-4 75W-90	1.35L±0.1L
6MT transmission oil	GL-4 75W-90	3.0±0.2L
Brake Fluid	DOT3 or DOT4	0.85L±0.1L
Steering fluid	ATF Dexron or ATF 220 or ATF III	0.9±0.1L
Windshield washer fluid	NFC-60	1.6L±0.1L
A/C refrigerant	HFC-134a	Single A/C: 480±20g Dual A/C: 700±20g

Comprehensive Fuel Consumption

Item	Unit	LZ6475MQ16BM LZ6474MQ16BM LZ6473MQ16BM	LZ5023XXYMQ16BM/LZ6510VQ16BM LZ6515MQ16BMN/LZ6511VQ16BM LZ6517MQ16BMN/LZ6476MQ16BM LZ6510N16B0/LZ6470N16B0 LZ6510N16B1/LZ6510N16B2 LZ6470N16B2/LZ6470N16B3 LZ5020XXYN16B0/LZ5020XXYN16B1
Fuel consumption	L/100km	7.9~8.6	8.3~8.59

Item	Unit	LZ6511MQ20BM LZ6511MQ20BMN LZ6513MQ20BM LZ6513MQ20BMN	LZ6510N15B0
Fuel consumption	L/100km	8.3	8.4

※ Note: The fuel consumption value is determined according to GB/T 19233-2008 Measurement Methods of Fuel Consumption for Light-duty Vehicles.

Wheel Alignment Specifications

Item		LZ6475MQ16BM LZ6474MQ16BM LZ6473MQ16BM LZ6476MQ16BM LZ6470N16B0 LZ6470N16B2 LZ6470N16B3	LZ6510VQ16BM/LZ6515MQ16BMN LZ6511VQ16BM/LZ6517MQ16BMN LZ5023XXYMQ16BM/LZ6511MQ20BM LZ6511MQ20BMN/LZ6513MQ20BM LZ6513MQ20BMN/LZ6510N15B0 LZ6510N16B0/LZ6510N16B1 LZ6510N16B2/LZ5020XXYN16B0 LZ5020XXYN16B1	Remarks
Front wheel toe-in	Front wheel	0° ±7'	0° ±7'	Single wheel
	Rear wheel	/	/	Non-adjustable
Wheel camber	Front wheel	0° 00'±30'	0° 00'±30'	Difference between left and right within 30'
	Rear wheel	/	/	Non-adjustable
Kingpin caster angle	Front wheel	3° 27'±30'	3° 27'±30'	Difference between left and right within 30'
Kingpin inclination angle	Front wheel	15° 40'±30'	15° 40'±30'	

Tire Specification

Item	LZ6475MQ16BM LZ6474MQ16BM LZ6473MQ16BM	LZ6510VQ16BM/LZ6515MQ16BMN LZ6511VQ16BM/LZ6517MQ16BMN LZ6476MQ16BM/LZ6510N16B0 LZ6470N16B0/LZ6510N16B1 LZ6510N16B2/LZ6470N16B2 LZ6470N16B3
Tire Specification	195/70 R15,215/60 R16	195/70 R15
Rim specification	15×6J, 15×5.5J,16×6.5J	15×6J,15×5.5J
Tire pressure（no load）	300kPa	

Tire pressure（full load）	300kPa
Spare tire specification	Full size (steel rim), 195/70 R15 (steel rim)
Spare tire pressure	300kPa

Item	LZ5023XXYMQ16BM/LZ5020XXYN16B0/LZ5020XXYN16B1/ LZ6511MQ20BM/LZ6511MQ20BMN/LZ6513MQ20BM/ LZ6513MQ20BMN/LZ6510N15B0
Tire Specification	195/70 R15
Rim specification	15×6J,15×5.5J
Tire pressure（no load）	300kPa
Tire pressure（full load）	300kPa
Spare tire specification	Full size (steel rim), 195/70 R15 (steel rim)
Spare tire pressure	300kPa

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.

Model	LZ6474MQ16BM			
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	FC-34	AY083	CM5G-1205010/CM5G-1205010A	CM5G-1205020/CM5G-1205020A
Manufacturer	Suzhou AECS Electronic Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.	
Effective service life	Five years or 100, 000 km			

Model	LZ6475MQ16BM LZ6473MQ16BM	LZ5023XXYMQ16BM LZ6510VQ16BM LZ6515MQ16BMN LZ6511VQ16BM LZ6517MQ16BMN LZ6476MQ16BM

Technical Parameters

Description of key components and parts for emission control	ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly	Engine ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly
Model of key components and parts for emission control	FC-34	AY083	CM5G-1205030	CM5G-1205040	FC-34	AY083	CM5P-1205011	CM5P-1205012
Manufacturer	Suzhou AECS Electronic Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.		Suzhou AECS Electronic Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.	
Effective service life	Five years or 100, 000 km							

Model	LZ6511MQ20BM LZ6511MQ20BMN LZ6513MQ20BM LZ6513MQ20BMN				LZ6510N15B0			
Description of key components and parts for emission control	ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly	Engine ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly
Model of key components and parts for emission control	MT62.1	RE94	CM5F-1205010	CM5F-1205020	FC-60	AY083	CM5J-1205050	CM5J-1205060
Manufacturer	DELPHI		Kunming Sino-Platinum Metals Catalyst Co., Ltd.		Jiangsu AECS Technology Co., Ltd.		Zhejiang Bangdeli Environmental Protection Technology Co., Ltd.	
Effective service life	Five years or 100, 000 km							

Vehicle Model	LZ6510N16B0 LZ6470N16B0 LZ5020XXYN16B0				LZ6510N16B1/LZ6510N16B2 LZ6470N16B2/LZ6470N16B3 LZ5020XXYN16B1			
Description of key components and parts for emission control	ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly	Engine ECU	Oxygen Sensor Sensor	Front catalytic converter assembly	Rear GPF assembly
Model of key components and parts for emission control	FC-34	AY083	CM5P-1205011A	CM5P-1205012A	FC-34	AY083	CM5P-1205011B	CM5P-1205012B
Manufacturer	Suzhou AECS Electronic Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.		Suzhou AECS Electronic Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.	
Effective service life	Five years or 100, 000 km							

Emission Requirements

Maintenance technical requirements for specified emission

Engine 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 the ECU when the ignition switch is turned on, so as to avoid contacting ECU pins or exposed parts of ECU harness with any part of the body when the power is on.

2. Sparks caused by static electricity may cause damage to the ECU. Try to avoid contact between the ECU and static electricity.

3. Do not subject the ECU to a voltage higher than 16V.

4. Do not reverse connect the positive and negative poles of ECU voltage.

5. Do not use any ECU of which the appearance has physical damages. 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. It shall be ensured that the ECU is effectively fixed and effectively grounded during installation.

9. Avoid damage when repairing the vehicle with electric welding

If possible, disconnect the ECU power and remove it. Ensure it is away from electric welding.

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 0V, the concentration of oxygen in the exhaust will decrease and the output voltage of the sensor is close to 1V. 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 the oxygen sensor is damaged.

2. The Zr element inside the oxygen sensor breaks, ruptures or fails.

3. The heating element circuit of the oxygen sensor is disconnected or short-circuited.

4. The sensing element circuit of the oxygen sensor is disconnected or short-circuited.

5. The oxygen sensor thermistor is short-circuited to housing.

6. 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.