Preface

Thank you for purchasing the Kinglong pickup truck. This instruction manual allows you to deepen your understanding of the features of the car and become familiar with its functions as soon as possible.

This instruction manual describes the correct use of the Kinglong pickup and basic maintenance methods, so that you can drive more satisfactory, enjoy the fun of driving. Please read this manual carefully to ensure that your vehicle can be used and maintained normally.

Due to the specific of vehicle equipment and features, some descriptions and illustrations in this manual may differ from those on your vehicle and are for informational purposes only. No data, descriptions or illustrations in this manual shall be used as a basis for claims. Kinglong Automobile Co., Ltd. has the right to modify the design and specifications of Kinglong Automobile, add and improve the relevant configuration, but does not assume the obligation to modify the cars produced before the improvement.

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About this instruction manual

This instruction manual contains important information, tips, recommendations and warnings regarding the use of the car.

Make sure this instruction manual is stored in the car at all times. This is especially important when lending or reselling the car to others.

Some sections of this instruction manual do not apply to all vehicle types. In this case, the scope of application is stated at the beginning of the paragraph, for example, "Applicable to: cars with airbags". In addition, optional equipment is marked with an asterisk "*".

The illustrations in the manual may be slightly different from the car in terms of details, but the principles described are the same.

All directions, such as "left", "right", "front", "back", etc., are for the direction of the car.

- * Optional equipment, depending on the export region. This is the classification mark when buying and selling a car, see the sales sample for details.
- The paragraph continues to the next page.
- indicates the end of the paragraph.

paragraph. If the page number is marked, the corresponding "Warning!" The content is outside this paragraph.



Warning!

The text with this symbol contains information related to your safety and alerts you to the risk of traffic accidents and injuries.



Careful!

The text with this symbol draws your attention to possible vehicle damage.



Environmental protection note

The text with this symbol contains instructions about environmental protection.



Explain

Text with this symbol contains additional information.■

Summary

Installation of various accessories

- Please contact your authorized distributor before installing any accessories.
- Accessories, optional parts, etc. can only be installed within the scope permitted by the regulations of your region and must also meet the requirements of various inspection and precautions specified in the various business documents related to the car. In addition, it shall comply with the guidelines and warning provisions specified in the documentation accompanying the car.
- Improper installation of electrical system components may cause fire, please refer to the section on electrical modification/alteration in this manual.
- When using a communication system, such as a cellular phone (mobile phone) or radio equipment in the car, please install an independent external antenna, such as using the mobile phone or radio equipment only by helping the antenna in the car, it will cause the failure of the electrical system of the car and affect the safe driving of the car, resulting in danger.
- Tyres and wheels that do not meet the specified requirements should not be used.

Please refer to the "Technical Data" section for information

on wheel and tyre sizes.

Electrical modifications/changes

Kinglong Pickup always provides users with safe and reliable cars, in order to keep the use of cars safe and reliable, it is very important to comply with the following requirements. That is, the installation or modification of any accessories, including electrical systems, shall be carried out in accordance with the prescribed guidelines for Kinglong Pickups. Any installation or modification in this area must be approved by the authorized distributor.

Pure parts

Don't use substitutes.

Kinglong pickup truck has long provided the majority of users with high-quality and reliable cars. Therefore, do not reduce its quality and reliability by using alternative parts.

Please always use the pure parts specified and manufactured by Kinglong Pickup truck to maintain the best performance of your Kinglong car, not using pure parts will void future warranty commitments. Kinglong Motor Co., Ltd. will not be liable for any failure of your car due to the use of substitute parts instead of pure Kinglong parts.

Safe driving

Although it is not possible to 100% ensure driving safety and prevent accidents, we recommend that you pay full attention to the following matters to prevent accidents, or reduce losses when accidents occur.

- Before driving, you and your passengers must wear seat belts.
- Never leave your car when the ignition key is in the ignition system, and never leave a child alone in the car as a child may play with the driving controls and cause an accident.
- It is important that infants and children are properly protected in accordance with existing laws and regulations to maximize protection in the event of an accident.
- Don't let children play in the trunk. It's dangerous to let them play there while the car is moving.
- When packing luggage or cargo, be careful not to pile it

too high, not beyond the height of the seat back. Otherwise, it will not only obstruct the rear view and cause danger, but also in the emergency, the luggage or cargo may fly into the passenger room and cause danger.

Driving and drinking

Drunk driving is one of the most accident-causing bad habits.

When your blood alcohol level exceeds the legal maximum, your ability to drive will be significantly reduced. If you have been drinking, please do not drive. People who have not been drinking should be asked to drive, use a taxi, take a friend's car or use public transport.



Warning!

- Driving after drinking can lead to accidents. After drinking, your awareness will decrease, your movements will become dull, and your judgment will be weakened.
- Never drive after drinking alcohol ■



Some of the equipment listed here is for specific models only or is optiona

Driving guide User guide do-it-yourself Technical data Security **Control**

Cabin

- Door lock switch
- Door handle
- 3 Tweeter *
- 4 Headlight switch
- 5 Air outlet with regulating wheel
 - —A/C system
- 6 Steering wheel, with:
 - -horn
 - ─Driver airbag *
 - —For audio, video, telephone operation buttons *
- LCD instrument cluster
- 8 Power supply system
- Window wiper and cleaning switch
- 🚺 Multimedia display *
- 🚺 Co-pilot airbag *
- 12 Glove box
- Multimedia player *
- Air conditioning system controller

- (f) Five-link switch, depending on the vehicle configuration:
 - —Charging cover port switch
 - —Flashing alarm switch
 - -ASR swtitch
- (6) Cigarette lighter
- Glove compartment
- 18 Electronic shifter
- (19) Accelerator pedal
- ② Brake pedal
- Adjustable steering column
- 22 Four switch, depending on vehicle configuration
 - —Power external rearview mirror adjustment switch
 - —Headlight height adjustment switch
- 23 Front compartment cover open handle
- 24 Dashboard fuse box
- 25 Speaker
- 26 Central door lock switch
- Power window lifters

Instrument cluster and indicator

Instrument cluster

LCD meter

The LCD meter is the information center for the driver



Figure 1 LCD meter

- Power gauge
- 2 Voltage and current
- 3 Indicator system
- 4 tachometer
- Speedometer
- 6 Power percentage meter

- Multi-function button
- 8 Mileage information
- 9 Text prompt messages



Explain

When the ignition system is in ON or STAR position the instrument illumination (pointer and dial illumination) is switched on, and the brightness of the instrument illumination can be manually adjusted by the instrument multifunction operating button \bigcirc on the instrument cluster

Power gauge

This display only works after the key is powered on

Power gauge \bigcirc \bigcirc Figure 1 shows the remaining battery charge (SOC).

0%——Empty

100%----Full

- SOC is 20% to 100% (excluding 20%) : blue icon, no buzzer;
- SOC is 12% to 20%(excluding 12%): red icon, buzzer with 3 intermittent alarm;
- SOC is 0% to 12%: red icon, buzzer 3 rapid alarm.



Careful!

Do not overcharge and overdischarge the battery! In order to ensure the health of the battery, try to charge the battery before it falls below 20%. Check the battery voltage temperature and other parameters regularly, if there is any abnormality, please immediately go to Jinlong Automobile Special Jovi repair station to troubleshoot

Voltage and Current

The voltage and current display the current voltage of the vehicle (Volt) and the current current of the vehicle (Cur) respectively ② ⇒ Figure. 1

The display range of the voltmeter (Volt): 0~1000V;

Current meter (Cur) display range: -3200~3200A。 ■

Indicator system

The function of the indicator light is to facilitate the driver to know the working condition of the various systems of the car at any time; ⇒ Figure 1 ■

Tachometer

The tachometer is used to show the motor speed per minute ④ ⇒ Figure 1

Display range: 0-8000rpm, maximum 8000rpm, more than 8000rpm only 8000rpm. ■

Speedometer

The speedometer is used to show the speed $\textcircled{5} \Rightarrow$ Figure 1, The speed of the vehicle is measured in km/h (km/h)

Power percentage meter

The Power percentage meter (PWR) is used to display the braking energy recovery instantaneous power versus the vehicle drive instantaneous power ⑥⇒ Figure 1

The display range of the Power percentage meter (PWR) is -100% to 100%. When the range is -100~0, the vehicle is in the state of braking energy recovery; When the range is from 0 to 100%, the vehicle is in the driving state. ■

Multi-meter function

This button is used to switch the interface of the operating instrument and clear the mileage subcount.

The function of the meter multi-function operation button ⑦ ⇒, page 10, is defined as follows::

- T<1 second is defined as a short press;
- T>3 seconds is defined as a long press;
- T is the time between pressing and releasing the key .

The operation method of the multi-function operation button of the instrument is as follows:

Button	Status(firsttime)	Function
Press Button	Long press (>3S)	Subtotal mileage cleared
riess Button	Short press (<1S)	Interface switching (main interface/sing
right-handed rotation	Short rotation (<1S)	The backlight brightness increases
Left-handed rotation	Short rotation (<1S)	The backlight brightness decreases



Explain

The brightness level is set to 8. Level 1 is the darkest and level 8 is the brightest. Boot read saved brightness level lit backlight. In the normal operation of the instrument, short press the right button, the backlight level of the instrument is increased by 1, the brightness is increased, when the highest brightness level 8 is reached, then start from the brightness level 1, so the cycle, real-time storage of the brightness level value

Cell information screen

In the main interface of the instrument, press the multi-function operation button \bigcirc 7, \Rightarrow , page 10 of FIG. 1, you can switch from the main interface of the instrument to the monomer information \Rightarrow FIG. 2, which displays the highest voltage and motor temperature of the monomer.

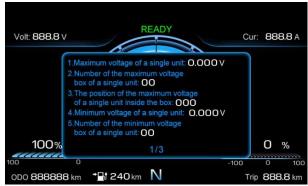


FIG. 1 cell information screen



Explain

 Cell is the battery cell, which is the basic unit of the vehicle battery pack and battery pack, and its performance and number directly affect the range and power of the vehicle.

Mileage information

Total mileage, subtotal mileage and range are shown respectively on both sides and in the middle of the display ⓐ ⇒ FIG. 1



FIG. 1 mileage information

Total mileage display range is 000000-999999km. When the total value exceeds 999999km, keep the 999999 display.

The mileage subtotal (initially only 000.0) shows the range of trip 000.0-999.9km, and when the subtotal exceeds 999.9km, it starts from trip 000.0 again.

Mileage subtotal and cumulative switching can be through the instrument multi-function operation button ,short press to switch, the subtotal state can be cleared by long press the button.

Regardless of the status before power off, the startup is always displayed as a cumulative state.

The driving range is the calculated value based on the previous working condition of the vehicle, which is used to show the remaining reference mileage of the vehicle. If 240km is displayed on the instrument, it means that theoretically the current remaining power is expected to travel 240km.

Text prompt messages

Display the driving alarm text pop-up window, allowing multiple information to exist at the same time, when multiple information exists, each information is displayed 3 seconds after the loop display.



Explain

In OFF mode, the instrument receives the above information



only when the screen is not off, and does not display it after the screen is off.■

Indicator system

summar i ze

The function of the indicator is to facilitate the driver to understand the work of the various systems of the car at any time

	Left and right turn indicator
READY	Readiness indicator light
₹! >	System fault indicator light
	Power battery failure indicator
5	Charging cable indicator light
≣ D	Low light indicator

A. A.	Seat belt sign
	Brake fault indicator light
却	Front fog light indicator
	High beam indicator
- 00=	Position light indicator
() ‡	Rear fog light indicator
<mark>=₹</mark>	Charging status light
(P)	Parking brake indicator light
	Power reduction indicator light
EBD	Brake force distribution light
-	Motor overheating indicator light
STOP	Stop status light
	Airbag failure indicator
	Battery cut-off indicator
	Power battery overheat indicator
(ABS)	ABS warning light
	Door is open indicator
	Electric brake status indicator
5	Insulation fault light
	SOC Low indicator
<u>-d</u> ;D	Drive motor fault indicator

B N	Neutral gear indicator
	Drive gear indicator
P R	Reverse gear indicator

Left and Right turn indicator



Depending on the direction of the turn signal, the left turn indicator or right turn indicator will flash accordingly. When the flashing alarm device is turned on, both lights blink simultaneously.

The turn signal blinks and the buzzer sounds, the sound is the same as the relay.

When power is turned off, if the external left and right lights have a signal, it will also sound

Readiness indicator light



When the vehicle is Ready, the instrument lights this light

System fault indicator light



When the vehicle has a system failure, the instrument light flashes or lights up according to the fault level.

System failure is usually divided into four levels, level one, the yellow light flashes, and the buzzer buzzes three times before stopping. Level two yellow lights flash, the buzzer intermittently alarms with 3 sounds, and the red light is steady on at this time. Level three, four, buzzer with 3 sound rapid alarm, at this time the red light is on

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Level 3, Level 4 system failure is a serious fault, at this time, please go to authorized repair station.

Power battery failure indicator



Power battery failure indicator is on, Please go to authorized repair station.

Charging cable indicator light



This light is on when the charging cable is connected .

Low light indicator



This indicator light is lit when the headlamp is low light

Seat belt sign





When the driver or co-pilot is not wearing the seat belt, the instrument lights this light respectively, and the lower right corner of the indicator shows F1 or F2 respectively.

When Vehicle is at "ready" state and the driver's seat belt is unbuckled, the middle pop-up window displays "Stop, please turn off" English warning.

When the speed is less than 25km/h: do not wear a seat belt, the continuous alarm for about 5 seconds, after five sounds, if the speed is still less than 25km/h, no longer prompt. If the safety belt is fastened, the alarm is off. If the safety belt is fastened and disconnected, the five-tone alarm is restarted

Brake fault indicator light



This indicator blinks when the brake fluid level is too low, the ABS brake anti-lock system is faulty, or the parking brake is tensioned.

When the ignition system is in ON position, the light is turned off after a few seconds. If it is still on, it indicates that the brake fluid level is too low and the ABS braking anti-lock system is faulty.

Warning!

- Consult the warning before opening the cabin cover and checking the brake fluid level.
- If the brake system indicator light does not go off or lights up while driving, it means that the brake fluid level in the liquid storage tank is too low, and there is a risk of traffic accidents! Please stop and do not continue. Please let the professionals handle it.
- If the brake system indicator lights up with the ABS brake anti-lock system indicator light, the ABS adjustment function may fail. The rear wheels can then lock up quickly during braking. This may cause the car to spin its tail and there is a risk of sideslip! In this case, please carefully drive the car to the nearest authorized service station.

Suitable for: Models equipped with this light

Front fog light indicator *

When the fog light is on, this indicator light is on.

High beam indicator



This indicator light is lit when the headlamp is in high beam

Position light indicator ^{→ €}

The ignition system is in ON or STAR gear. When the position light is on, this indicator light is on

Rear fog light indicator



This indicator lights up when the rear fog light is on

Charging status light





The instrument cluster lights this light when the charge is turned on

If there is an error in the charging process, the indicator light is lit

Parking brake indicator light (P)

This indicator is used to monitor the parking brake

When the vehicle is ready for operation, the parking brake is engaged, and the ignition system is in ON or STAR position, the indicator light will be on. If the parking brake is released, this indicator must be turned off. When the indicator light is on, drives the vehicle, and the instrument will issue a warning sound to remind the driver to release the parking brake.

Power reduction indicator light



When the vehicle has more than level 3 failure, the instrument lights up this light. Please visit authorized service station

Brake force distribution light



This indicator light is used before the ABS system is active, when the ABS system detects an imbalance in the four-wheel braking force distribution.

When the ignition system is in ON or STAR position, the light is on for a few seconds, and the system is in the self-test state. After the self-test, the light should be turned off. If it is still on, it indicates that the ABS braking anti-lock braking system is faulty. Please go to authorized service station

Motor overheating indicator light



When the motor overheats, the instrument lights this lamp

Stop status light



When in a stopped state, the instrument lights this light

Airbag failure indicator



This indicator is used to monitor the airbag system and seat belt pre-tightening system.

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The indicator lights up for a few seconds when the ignition system is in ON position. If the light does not go off, or lights up and blinks while driving, it indicates that there is a system failure. If this indicator light does not light up when the ignition system enters ON gear, it also indicates a system failure.



Warning!

If there is a fault, you should immediately go to authorized service station to check the system. Otherwise, in the event of a traffic accident, the airbag system or seat belt tensioner may not work

Battery cut-off indicator



The instrument lights this light when the vehicle's power battery fails

Power battery overheat indicator



When the power battery temperature is too high, the instrument lights this lamp, please contact with authorized service station

ABS warning light



This indicator is used to monitor the ABS braking anti-lock system.

When the ignition system goes into ON position, the indicator lights up for a few seconds. After the automatic detection process is complete, this light goes out.

The following conditions indicate that there is a fault in the ABS braking anti-lock system:

- The indicator light does not turn ON when the ignition system is in ON position.
- The indicator light does not go off after several seconds.
- The indicator lights up while driving.

At this point, the car can still use the conventional braking system, that is, no ABS braking. In this case, please go to authorized service station to do repair.

Door is open indicator



When the door is not closed, the instrument point appears corresponding to the door light.■

When the vehicle speed is greater than or equal to 15km/h, the door is not closed, the alarm is still on, the buzzer alarm is 1HZ (ring for 0.5 seconds, stop for 0.5 seconds), and the buzzer will stop after 30 seconds (other conditions during the buzzer: fault elimination). When ready is in the ready state, the left front door is opened, and the middle pop-up window displays the English text warning of "Stop, please turn power off".

Electric brake status indicator



When vehicle in electric brake status, the indicator is on

Insulation fault light



When the insulation is faulty, the indicator is on.

SOC Low indicator



When the instrument cluster receives that the power battery is less than 10%, the light will be lit and the buzzer will alarm 1HZ (ring for 0.5 seconds, stop for 0.5 seconds) and stop automatically after 15S

Drive motor fault indicator



The instrument cluster lights this lamp when the drive motor fails

Neutral gear indicator



Every time the vehicle power on, the vehicle gear is in N gear and the instrument lights this light.■

Drive gear indicator



The ignition system is in ON position, shifter is switched to D gear, and the instrument lights this light. ■

Reverse gear indicator



The ignition system is in ON position, shifter is switched to R gear, and the instrument lights this light. ■

Audio system

Audio system

Suitable for: Vehicle with this sound system

Audio system 1 *

Control panel

The control panel contains the operation button required for the sound system.



FIG.1 Control panel for the audio system

Description of key functions on the control panel:

1 Power	PWR	Power of radio
2 Mute	MUT	Mute button
3 Screen		Radio screen
④ USB port		External data interface

5 Volume up	+	Volume up
<pre>⑥ Previous / station selection</pre>	«	Select the previous song when playing music/Select the radio frequency when listening
7 Volume down	_	Reduce volume
8 Next song/station selection	»	Select the next song when playing music/Select the radio frequency when listening
9 Track selection		This area has 6 buttons to select, you can select the station after the station is preset; You can also select a file to play when playing music or video
Mode setting	MOD	The USB/ radio function can be switched when the USB is connected
11) Functional selection	SEL	Functional selection
12 Clock adjustment	CLK	Clock setting
(3) Band selection	BND	Radio band selection, switch FM/AM band

Audio system 19



Explain

USB port can only be plugged into small power electrical appliances such as mobile phones and MP3 players. Do not plug into large power electrical appliances such as electric fans and electric heating gloves. Otherwise, the audio host will be burned

Suitable for: Vehicle with this sound system

Audio system 2*

Multimedia display

The multimedia display provides driver and passenger entertainment, navigation and other functions.

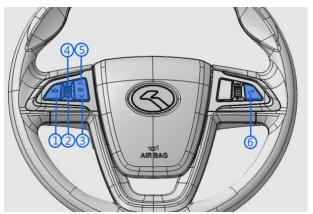


FIG. 1 Multimedia display

Suitable for: Vehicle equipped with this steering wheel

Steering wheel buttons adjust the sound function *

Button on the steering wheel to adjust the volume of the sound system and control the function of the previous song and the next song, and you can also switch on and end the call when using the



Bluetooth function of the mobile phone.

FIG. 1 Sound system buttons on the steering wheel operation of buttons on the steering wheel:

- 1 Hang up phone
- 2 Volume down
- 3 Next
- 4 Volume up

Audio system

- 6 Previous
- 6 answer the phone

Full band speaker

Full band speaker on the interior panel of the door



FIG.1 Full band speaker

Suitable for: vehicle equipped with this speaker

tweeter speaker *

tweeter on the interior panel.



FIG. 1 Tweeter speaker

Door and window opening and closing

Wireless remote key

Key set

equipped with two remote control keys.



FIG.1 remote key

- You can use the remote key to lock and unlock the vehicle and power on the vehicle. Press the unlock button to fold or turn back Mechanical Key.
- If the key is lost, the function of the key should be cancelled at the authorized service station ,so you need to bring all the keys to the service station to replace the key.
- When you get the key, keep the tag on the key ring. The number is to match the key.



Warning!

 When you leave the car (even for a short time) you must switch the ignition system to LOCK and pull out the ignition key. This is especially important if there are children staying in the car. Take the key out of the ignition system only after the vehicle has stopped! Otherwise, the steering lock will suddenly lock and there is a risk of accidents!

The indicator on the remote key

Remote key indicators provide different status information.

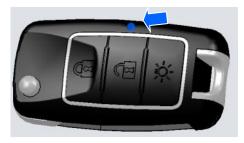


FIG.1 remote key

When a button is operated, the light will briefly light up once, the car is within the range of the radio, and if the lock or unlock is successfully completed, the car's turn light will flash.

The state of the key battery

If the indicator light is not bright or very dark, it means that the battery is exhausted and must be replaced

Replace the remote key battery

Each remote key has a battery that is installed under the cover of

the key housing.

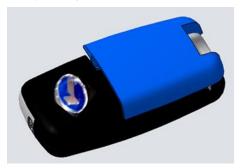


FIG.1 Rear cover plate

Use a tool to gently pry open the cover plate, remove the battery, and put a new battery into it. Take care to place the "+" side of the battery facing up.

After replacing the battery, close the cover plate again according to the limit position, tap the cover plate, and hear the sound of "click".



Explain

- Waste batteries must be recycled in accordance with environmental protection requirements and must not be treated as domestic garbage.
- The specifications of the new battery must be consistent with those of the original battery. The battery model is CR2032

lock and unlock

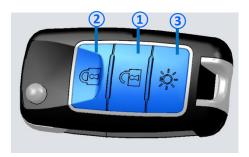


FIG. 1 remote key buttons

Unlock the vehicle

- When the ignition system is in LOCK, door lock is unlocked, the left and right turn signal flashes twice, and the indoor light is on. If there is no action within 30 seconds, the indoor light will automatically turn off and the door will automatically lock, which is designed to prevent miscontact with the unlocking button.
- When the ignition system is in ACC, ON or START, press the button ①, the car will not perform the unlock action, but will quickly flash the turn signal about twice to remind you that you cannot operate the remote unlock operation at this time.

Lock the vehicle

 When the ignition system is in LOCK,press the button the door locks are locked, the left and right turn signals flash, and the indoor light is off; If the door is not closed, press the button ②, the door will automatically lock, but the turn signal does not flash, reminding the driver to close the door

When the ignition system is in ACC, ON or START position, press the button ②, the car will not perform the door lock action, only the turn signal will flash around twice quickly to remind you that you cannot operate the remote control lock operation at this time.

Find my car

When the ignition system is in LOCK and the car is locked, press the button ③⇒ twice within 1 second, the horn will sound three times, and the left and right turn signals will flash for 30 seconds. Press button ① to stop the search.

locked and guarded

- After the door is locked by remote control, the car automatically enters the alert state.
- Remote unlocking can cancel the alarm state of the car.
- After the car enters the alert state, any illegal door opening action (not by remote unlocking to open the door), the car will trigger a 30-second horn alarm.
- If your alarm is triggered by misoperation, you can immediately use a remote control to unlock, or operate the ignition switch, switch to ACC or ON, you can cancel the alarm state of the car.

Central lock

Central lock button

The central door lock can be manipulated with a switch on the driver's door

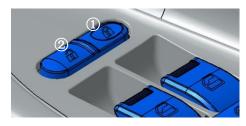


FIG.1 central lock button

Lock doors

Press the button 1

Unlock doors

- Press the button 2.



Explain

The central door lock can also be controlled by the dial on the inner handle on the driver's side.



FIG.1 Door lock switch

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Lock doors

Turn the button towards 1.

Unlock

Turn the button towards².

If the vehicle is locked with the central door lock switch, the following occurs:

- Inability to open the door from the outside of the car (e.g. to ensure safety when stopped at traffic lights).
- If the driver's door is open, this door will not lock (after operating the locking function in the central lock switch), so as not to inadvertently lock yourself out of the car. The door must be closed and locked secondly.



Warning!

The central door lock switch still works when the ignition system is turned off. You can still use it to lock all the doors. However, a child should never be left unattended in a car, as a locked door in an emergency can make outside assistance more difficult.



Explain

When the vehicle is in motion and the vehicle speed exceeds 20km/h, all doors will be automatically locked to ensure driving safety

Use the external pull handle to open the door

Open the door

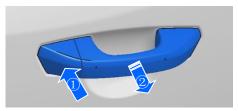


FIG.1 External handle

- When the central lock is enabled
- Hold the handle with four fingers and press the handle cover in the direction ①
- Pull out the handle with four fingers in the direction 2



Explain

From a mechanical point of view, when using the external handle, please try to exert force on the side close to the lock

Power window lifters

The switch on the driver's door

The driver can operate all electric lift switches of the car



FIG.1 window control switch

Window control switch

- 3 Window switch for the driver's door.
- 4Window switch for the passenger door.

Others

- (1)Central control lock
- 2 Central control unlock
- (5) Window lock switch

Operation

- 34operation is same
- Press and hold the window switch to lower the window and release the hand when it reaches the desired position.
- Hold the lift switch, lift the window, and release the hand when it reaches the desired position.

- The switch ③ has a one-key descent function. Tap the switch
 ③, and the window automatically descends to the lowest point.
- Switches ① and ②can implement the central control and lock function

After the switch is pressed, the window is locked, except for the driver's window, other Windows cannot be lowered or raised.

Λ

Warning!

- Always pull out the ignition key when you leave the car (including temporarily walking away). This is especially important if there are children staying in the car. Otherwise, the child may start the vehicle or operate electric devices (such as power window lifters), risking an accident.
- Be careful when closing the Windows, or you may cause a serious crush

The switch on the copilot door

There is only one lift switch on this door, which operates same as on the



driver's door

FIG. 1 window switch

Headlights and views

Headlights

Turn on and off the headlights

The light control handle of the combination switch can be used to control the turn on and off lamp.

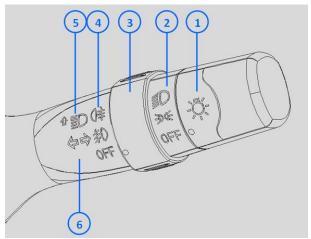


FIG.1 Combination switch

- General light selection knob.
- ② Light position.
- 3 Fog lamp selection knob.

- 4 Fog light position.
- 5 High/Low light selection.
- 6 Left/right turn light options.

Turn the light control handle $\ \ \, \bigcirc \ \,$ to select the general light on or off

- Turn the light knob to OFF

external lamps, instrument background lights, air conditioning control panel background lights, audio device background lights will be turned off.

- Turn the light knob to position

The position lights in the front combination headlights and rear combination headlights will be turned on, wherein the position lights of the front combination headlights are halogen bulbs, and the position lights of the rear combination lights are LED lights.

The background light of the instrument, the background light of the air conditioning control panel, the background light of the sound device, and the background light of some switches will light up.

The sign on the instrument cluster will light up.

- Turn the light knob to position

The headlights are turned on, and you can switch between

high and low light by flicking the handle forward or back.

When switching to high beam, the indicator on the instrument cluster will light up \blacksquare \circ

Turn the fog lamp selection knob ③ to select fog lamp functions

- Turn the switch to OFF

The front and rear fog lights are turned off.

- Turn the switch to position *(this feature is available on some models)

Front fog lights on, rear fog lights off. The sign on the meter lights up.

- Rotate the switch position

The rear fog light switch is self-reset, and the switch returns to the front fog light position after letting go, but the rear fog light has been turned on. The sign on the meter will light up.

Turn switch again to rear fog light position, rear fog light off. The instrument cluster indicator off.

Headlamp lighting distance adjustment

When the low beam has been turned on, the illumination distance of the headlight can be matched with the load state of the vehicle.



When the low beam of the vehicle is in the initial position, the position of the adjustment switch is 0.

The low beam distance can be adjusted according to the loading condition of the vehicle.

Flashing alarm device

Flashing alarms are used to alert other road users to your vehicle in dangerous situations.



Center console: Switch for flashing alarm device.

- Press the flashing alarm switch to turn on or off the flashing alarm
- When the alarm device is turned on, all the turn signals of the car flash simultaneously. The indicator light on the instrument also blinks. The flashing alarm works even if the ignition



Control

system is turned off.

 Turn signals are preferred. When the emergency light switch and the turn signal switch are operated at the same time, the car will give priority to the turn signal signal.



Explain

Turn on the flashing alarm in situations such as:

- This is the last bus in traffic jam.
- The car is broken down or has an emergency.
- To be pulled or towed by another vehicle.

Turn signal and high beam lever

The turn signal light and low and high beam switching can be operated with the turn signal light and the high beam lever.

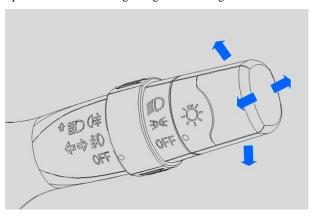


FIG.22 Turn signal and high beam lever

Operation of turn signal light and high beam lever:

- Push the lever upward to activate the right turn signal. At this time, the right turn signal of the car is turned on, and the right turn signal light on the instrument is lit.
- Push the lever down to activate the left turn signal. At this time, the left turn signal of the car is turned on, and the left turn signal light on the instrument is lit.
- When the car headlight is on, push the lever forward, the near and far light is on at the same time, and the high light indicator on the instrument is on
- Switch the lever back to the original position, and the headlight switches to the low light. The high beam is off.
- Move the lever backward, and the headlamp high beam blinks.
 Used to send signals to vehicles in front of the car.

A description of these features

- The operation of the above lamps can only be performed when the ignition system is turned on.
- After passing the turning section, the lever automatically returns to the position, and the turn signal is off.
- Hold the lever back and the flash function will remain on, even if the light switch is not on.



Warning!

When turning on the instantaneous function, care should be taken not to dazzle other road users

interior lights

Forepart interior lights

The front overhead light provides light for the front occupants.



FIG. 23 Forepart interior lights

The front ceiling light contains 2 lights and their switches. \Rightarrow Figure 23.

Front overhead light operation

 Press the two switches to turn on or off the two lights respectively.

Caution: When the door is not closed, the light will turn on

Views

Sunvisor

The use of sunshades can improve traffic safety.



FIG.24 Driver's side: sun visor

Sunvisor

The visor for the driver and co-driver can be pulled from the mounting brackets on the inside of the car and turned to the door \bigcirc \Rightarrow Figure 24

Cosmetic mirror

The makeup mirror on the visor has a cover plate. Open the cover plate $\textcircled{2} \Rightarrow$ Figure 24, ready to use.



Explain

Figure 24 shows the warning label of the airbag.

Window wiper

Window wiper switch

window wiper switch can operate window wiper and cleaning function.

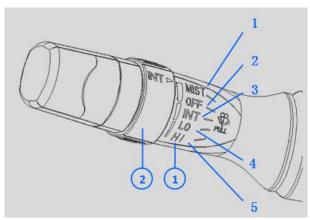


FIG.25 Wiper lever

- 1 Front window wiper position.
- 2 wiper frequency selection.
- Flip the switch up and down, there are five stop positions, can operate five functions, these five functions control the front window wiper work ⇒ Figure 25.

1	MIST position	The wiper works once.
2	OFF position	Turn off the wiper
3	INT position	Wiper wiper intermittently. The knob INT combined with the second part of the switch can control the intermittent frequency, which can be selected according to the outside rain.
4	LO position	The window wiper works at a low speed and never stops. Suitable for little rain outside the situation.
5	HI position	The window wiper works at high speed, non-stop. Suitable for heavy rain outside.

Replace the windshield wiper

A good windshield wiper maintains a good view.

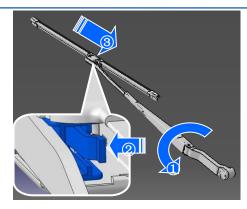


FIG 26 Diagram of front window wiper

Rearview mirror

The inside rear-view mirror of the car

The rear view mirror is used for the driver to observe the inside of the car and observe the rear of the car through the back door glass.

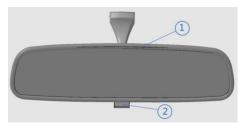


FIG.27 inside rear-view mirror

- The body of the mirror and the rod are connected by a spherical rotating structure. Hold the body of the mirror ①with your hand to rotate, and adjust the field of view to the appropriate position ⇒, as shown in Figure 27.
- When the light from the rear of the car is blinding, you can move the anti-blinding lever under the mirror body (② ⇒) to avoid light interference.

Exterior rear-view mirror

The exterior mirrors are electrically adjusted.



FIG. 28 Exterior rear-view mirror adjust switch

The external rearview mirror switch controls the Angle of the car's external rearview mirror lenses.

Operation of the external rearview mirror switch:

 Press the L/R button ⇒. As shown in Figure 28, you can choose to operate the left rear mirror or right rear mirror.

Seats and placement

Front seat

Seat adjustment operating element



The seat has a variety of adjustment functions

FIG. 29 Operating elements in the driver's seat Control element

- ① Adjust the front and rear positions.
- 2 Adjust the backrest tilt.

Adjustable seat

Adjust the front and rear position of the seat

 Pull the handle① upward, then continue to push the seat until the seat locking mechanism is engaged ⇒ Figure 29

Adjust backrest tilt

- Keep the seat back in a relaxed position (do not lean against it).
- Pull the handle ② ⇒ as shown in Figure 29, adjust the tilt of the backrest accordingly.



Warning!

- Please adjust the driver's seat only when the car is stopped, otherwise there is a risk of an accident.
- Do not tilt the front seat back too much during driving; otherwise, the
 protective effect of the seat belt and airbag system will be seriously
 affected, resulting in the risk of injury!

headrest

Front seat headrest

The headrest, which is adjusted to the body shape, together with the fastened seat belt, provides extremely effective safety protection for the occupants.

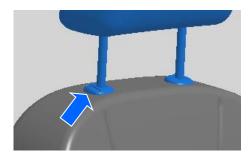


FIG.30 Front seat adjustment headrest button

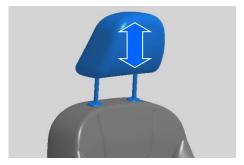


FIG.31 Front seat adjustment and removal of headrest

Adjust the height up and down

- Grasp both sides of the headrest with both hands.
- Press the button ⇒FIG.30. Adjust the headrest so that the top edge is at least equal to or slightly higher than the top of the head ⇒ FIG.31.

Remove headrest

- Press the button.
- Pull the headrest up to the limit position and pull out the headrest.

Mounting headrest

 Insert the headrest into the guide rail until you hear a jamming sound.

The height of the headrest is adjustable. You should adjust your body shape accordingly. The headrest, which is adjusted to the body shape, together with the fastened seat belt, provides extremely effective safety protection for the occupants

Front Armrest

Front armrest

There is a glove box in this armrest.



FIG.32 Comfortable armrest between the driver's seat and the co-driver's

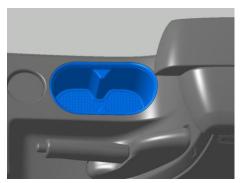
seat

Press the buttons on both sides ⇒ as shown in Figure 32.

Beverage carrier

Front beverage carrier

The beverage carrier is in front of the front armrest.



Up to two beverage cans can be placed on the front middle armrest.



Warning!

- Do not place hot drinks in the beverage carrier during driving. Hot drinks may spill and wound!
- Do not use hard drinking utensils (such as glasses, ceramic cups). Hard drinking tools may injure passengers in a traffic accident.



careful!

Only closed drinking utensils can be placed in the beverage carrier. Otherwise, the drink may spill and cause damage to the car's electronic equipment.

ashtray

The front ashtray



Open the ashtray

-Press the cover plate

Close the ashtray

Press the cover plate briefly to close automatically.



Warning!

Do not throw waste paper into the ashtray, otherwise there is a risk of fire.

Cigarette lighter

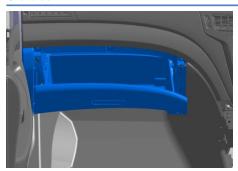
Cigarette lighter

Cigarette lighter can light cigarettes.



- Press the cigarette lighter button the cigarette lighter works automatically.
- After about 10 seconds, the resistance wire in the cigarette lighter button will heat up to the red state, and the button will automatically ejected.
- unplug the button and light your cigarette with the resistance wire.

Glove box



- Press and hold the glove box switch to open the glove box.

Close the glove box

Turn the cover upwards until it snaps.

Glove compartment on the door trim panel

There is a glove box on the interior panel of the door.



Heating and Refrigeration

Air conditioning system

A/C system control

The air conditioning system includes a ventilation unit as well as a refrigeration unit for dehumidification and cooling inside the vehicle.

The air conditioning system can be adjusted according to the needs



of the driver. The outlet temperature, blower speed (air volume) and air distribution can all be changed.

Attention:

- When the cooling mode of the air conditioner is turned on, the humidity of the air in the car is reduced. This will prevent the

Windows from fogging. When the outside temperature is low (the temperature is below zero), the air conditioner (compressor) opens the refrigeration, and the air in the carriage will not be dehumidified

- When the humidity of the air outside the car is high and the temperature is high, the condensate in the evaporator of the refrigeration equipment may drip out and flow under the car; This is normal and does not mean there is a leak!
- Turn the knob or press the button to turn the function on and off. When the function is turned on, the working light inside the button will light up.

Ф	Turn on or off the air conditioner
Rotation(1)	Temperature selection
Rotation2	Air volume selection
MODE	Airflow direction selection
	Internal air circulation
~	External air circulation
A/C	Air conditioner refrigeration mode
₩	Heat defrost mode

Pollen filter

Pollen filter (dust filter) can significantly reduce or block the

pollution of the air outside the car dust (such as dust, pollen) in and out of the car. Both internal and external air circulation (air circulation inside the cab or air entry outside the cab) modes can be used for air dust filtration.

The pollen filter is recommended to be replaced at intervals of 1 year or 10,000 km to ensure maximum efficiency of the pollen filter.

If the effect of the filter is weakened prematurely due to the large amount of harmful dust in the external environment of the car, the filter must be replaced even between the specified maintenance cycles.



Warning!

It is important for traffic safety to keep car Windows free of snow, ice and spray. This is the only way to ensure a good view, otherwise there is a risk of accidents! Please master the correct operation essentials of air conditioner and window glass dehumidification and defrosting.



Careful!

- If you suspect that the air conditioner is damaged, in order to avoid worse damage, you should turn off the air conditioner, and then ask Kinglogn service station for inspection as soon as possible.
- The maintenance of air conditioners requires special expertise and special tools. Therefore, when the fault occurs, it should be dealt with by the kinglong authorized service station.

🚹 Explain

Air conditioning systems work best with Windows and sunroofs closed. However, after the car is parked for a long time and subjected to strong direct sunlight, the car is hot, and opening the window for a short time can speed up the cooling process.

Air conditioner controller power switch "O"

The power switch of the air conditioner controller is used to turn on or off the air conditioner system.



FIG. 39 A/C controller power switch

- Press O The yellow work indicator lights up, the LCD of the air conditioner controller lights up, and the air conditioner starts to work ⇒, as shown in Figure 39.
- Press the button again. The yellow work indicator turns off, the LCD of the air conditioner controller turns off, and the air conditioner stops working.

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Temperature adjustment knob "TEMP"

The temperature control knob is used to adjust the air temperature in the cab.



FIG.41 Temperature adjustment knob TEMP

When the air conditioning system starts to work, turn the left knob of the air conditioning controller "TEMP" ⇒ as shown in Figure 41 to set the air temperature in the cab; As the knob rotates from left to right, the set temperature will gradually increase, and the top left corner of the LCD screen will also display the current temperature inside the cab that you set. As the set temperature changes, the air flow temperature blown out of the air conditioning system will also change, but it will not be higher than the current ambient temperature.

Air volume adjustment knob "*"

Air volume adjustment knob Used to adjust the air flow of the air conditioner



When the air conditioning system starts to work, turn the right knob of the air conditioning controller to set the air volume blown by the air conditioner; As the knob rotates from left to right, the air volume blown by the air conditioner changes from small to large, and the right side of the LCD screen will display the current air volume you choose.

If you want to prevent the polluted air (odor) outside the car from entering the car, please press the air internal circulation button ""



Warning!

Do not keep the air volume of the air conditioner closed for a long time, because the window glass may cause water fog, there is a risk of accidents.

Wind direction selector button "MODE"

The wind direction button is used to adjust the direction of air flow from the air conditioner.



Air internal circulation switch "

The air internal circulation switch is used to change the air circulation mode of the air conditioner to the internal circulation mode.



FIG.48 Air internal circulation switch

Press the air internal circulation switch, the yellow work indicator on the key will light up and the work light of the air outline circulation button will be off, and the air conditioner will work in the air internal circulation mode.

When operating in internal air circulation mode, the air conditioning system will draw air from the interior space of the cab and re-introduce it into the car.

Air external circulation switch



The air external circulation switch is used to change the air circulation mode of the air conditioner to the external circulation mode.



FIG. 49 Air external circulation switch

Press the air external circulation switch, the yellow work indicator on the key will light up and the work light of the air internal

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circulation switch" "will be off, and the air conditioner will work in the air external circulation mode.

When operating in external air circulation mode, the air conditioning system will draw fresh air from the outside of the cab and introduce it into the car.

Air conditioner refrigeration switch "A/C"

Air conditioner refrigeration switch Enables or disables the cooling mode of the air conditioner system.



FIG. 50 A/C refrigeration switch

Press the air conditioner cooling switch "A/C" and the yellow work indicator on the key will light up \Rightarrow as shown in Figure 50. The air conditioner will work in cooling mode.

Press the air conditioner refrigeration switch "A/C" again, the yellow work light on the key is off, and the air conditioner will stop working in refrigeration mode.

Careful:

When the air volume knob " **\$** " is off, the refrigeration mode of the air conditioner will not work. ■

Front defrost switch "\""

The front defrost switch is used to quickly remove water mist from the windshield and side window panes.



FIG. 51 Front defrost switch

Press the front defrost switch , the yellow work indicator on the key will light up \Rightarrow as shown in FIG. 51, the LCD screen will also display symbol, and the air conditioner will work in defrost mode.

When the air conditioner is in defrosting mode, the air circulation mode will automatically change to the external circulation mode. The airflow direction is automatically selected to blow towards the glass, and the airflow is separately blown out of the outlet , FIG. 52 and the refrigeration mode is automatically activated, and the yellow work light of the A/C switch is lit.

When the air conditioning system is in defrost mode, press the front defrost switch again, the yellow work light on the key will be

extinguished, the defrost mode will be turned off, the air circulation mode and air flow direction will be restored to the position before the defrost mode is turned on, and the cooling mode of the air conditioner will also be restored to the state before the defrost mode is turned on.

Air outlet

The air conditioning system achieves the purpose of regulating the temperature inside the car by conveying air to the outlet.



FIG.52 The position of the air outlet is arranged

By repeatedly pressing the wind direction select button "MODE", you can select from which outlet the air will blow.

- ① Airflow blows the front windshield, and the left and right front door window glass ⇒ Figure 52.
- ② The air blowing towards the passenger's face \Rightarrow Figure 52.

③ The air blows towards the passenger's feet \Rightarrow Figure 52.

Air outlet2



FIG. 53 Adjustment of air outlet

Turn the adjusting wheel on the side of each air outlet $2\Rightarrow$ as shown in Figure 53, you can open or close a single air outlet, or adjust the air volume of a single air outlet.

The air direction of a single air outlet can be adjusted up and down in four directions by flipping the switch in the middle of the air outlet 2.

Driving

Steering system

Adjust steering wheel position

Stepless adjustment of steering wheel position in height direction.



FIG.54 The lever under the steering column

- Flip the adjustment handle under the steering wheel and release it forward ⇒, as shown in Figure 54.
- Adjust the steering wheel height direction according to driving habits.
- Push the adjustment handle to lock the rear.



Warning!

- Please adjust the steering wheel only when the car is stopped, otherwise there is a risk of an accident!
- For safety reasons, the adjusting handle must always be locked to the rear to avoid unintentionally changing the position of the steering wheel while driving, otherwise there is the risk of an accident!

Ignition system

Ignition switch

The ignition switch controls the main power supply of the vehicle, can start and turn off the main power supply of the vehicle, and lock the steering wheel.

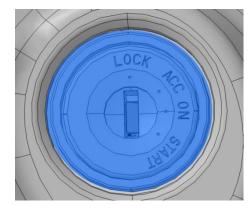


FIG.55 Ignition switch

The function of Ignition switch

- LOCK: Locks the steering wheel ⇒ Figure 55. Turn the key out, and the ignition latch will lock the steering wheel. Put the key in this position to turn off the power.
- ACC: power switch, turn on the car with less power equipment, such as background lights, audio, etc.
- **ON:** power switch turns on the equipment with large power on the car, such as the car headlights.
- STAR: Start the switch, hit this position, the vehicle can reach the driving state .

Power on and off

Starting power supply



FIG. 56 Starting power supply

- Turn the key to gear ON ⇒. In Figure 56, the meter shows READY. When the vehicle enters the start ready state, start the low-voltage power supply and start the air conditioning cooling.
- Press the brake pedal, rotate the shifter to "N" ⇒ page 45, and turn the key into gear STAR ⇒ Figure 56. The instrument display GO indicates that the vehicle is ready for driving.



Explain

If you cannot enter the drivable state for a long time, please do not continue to maintain the STAR gear, you should find the reason for not starting or go to authorized service station for inspection.

Power off

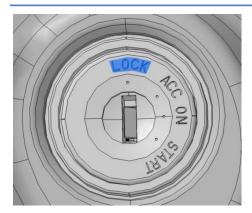


FIG. 57 power off

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Turn the key to the gear LOCK \Rightarrow as shown in Figure 57, the car power is off, and the central control lock will open automatically (if the central control lock is already open, it will not move); The indoor roof light will turn on (if there is no other action of the key within 30 seconds, the roof light will automatically turn off); At the same time, the car power supply is off, except for the equipment connected with normal electricity can not be powered on.

When the driver's side door is open and the key is turned to LOCK, the buzzer will continue to alarm, reminding the driver to close the door or pull out the key. At this time, if the driver's side door is closed or the key is pulled out, the buzzer will stop alarming.

If the key is pulled out, the ignition system will lock the steering wheel to achieve the purpose of anti-theft.



Warning!

- Please do not turn off the power suddenly while the vehicle is moving.
- After the power is turned off, the steering power assist system does not work, and the torque required for steering wheel rotation increases, which may cause accidents due to delayed steering wheel rotation
- Please stop the vehicle and apply the handbrake before turning off the power.

Electronic shifters

shifter position

The knob type electronic gear shifter can realize the function of

switching gear position and displaying gear position information.

The gear identifiers "R", "N" and "D" are displayed above the shift control panel, and the gear identifiers "S" are displayed on the electronic shift knob \Rightarrow as shown in Figure 58.



FIG.58 Electronic gear shifter

The meaning of the functional symbol displayed on the electronic gear shifter is as follows:

- R: reverse gear
- N: Neutral gear
- D: forward gear
- S: sport mode. ■

shifter position

When the ignition system is in ON position, press the brake pedal first, and then switch the "R", "N" and "D" gears through the rotary gear shifter.

Shift logic description:

Current gear	Knob operation	Gear display
R	Rotate to the left	R
	Rotate to the right	N
N	Rotate to the left	R
	Rotate to the right	D
D	Rotate to the left	N
	Rotate to the right	D



Warning!

Do not switch to "R" before the vehicle has come to a complete stop. There is a risk of an accident!

Security

Parking brake

operation



FIG. 59 Tighten parking brake



FIG. 60 release parking brake

 Pull the parking brake handle up firmly without pressing the button ⇒ Figure 59.

Release parking brake

Pull the parking brake handle upwards, press button ①, and push the brake lever down to with the button pressed. Figure 60.

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Warning!

Before driving, be sure to completely remove the parking brake, so that the brake warning light is off, and only partially loosen the parking brake, which will cause the brake to overheat, and thus have a negative impact on the function of the brake system, and the risk of accidents!

Parking brake

Follow the steps below to prevent the car from moving unintentionally after parking.

Parking

- Stop the car with the foot brake.
- Tighten the parking brake.
- Push the shift lever into neutral position.
- Power off the vehicle.

Parking on uphill or downhill surfaces

 When parked on slopes, it is best to add wheel pads to ensure safety. When the car is heavy and parked on a slope, the wheel cushion must be added.



警告!

• Never leave children unattended in a car. Otherwise, the child may release the parking brake or pull the gear out. At this point the car may move on its own and there is a risk of an accident!

Parking Assist System

Sensors

When reversing, the reversing radar can be used to assist the reversing operation, which is convenient for the driver to reverse.



FIG. 61 Location of the sensors probe activate

- The radar system starts automatically when it is put into reverse gear

shut down

- Pull the gear out of reverse gear, and the radar system automatically shuts down.

The use of radar sensor

The effective detection distance of the probe at the rear of

the vehicle is 1.5 meters. If there are obstacles at the rear of the vehicle when reversing, the buzzer installed in the instrument panel will sound. The closer the distance from the rear bumper, the higher the sounding frequency will be to remind the driver to avoid.



Careful!

- The detection space of the radar probe is limited, if there are columnar objects behind the vehicle, such as power poles, trees, etc., the probe may not detect, resulting in a reverse accident!
- If the height of the obstacle is too small, lower than the
 detection height of the probe, it may also make the probe can
 not be detected, causing the reverse accident! The driver should
 observe the situation behind the vehicle before reversing.

Suitable for: Vehicle with this feature

Reverse camera*

It is used to display the rear image of the car from the display screen when reversing, which is convenient for the driver to reverse.



FIG. 62 Installation position of the reverse camera

The reverse camera is mounted on the lower edge of the rear bumper \Rightarrow Figure 62

Activate

 When the audio system is started and mounted into reverse gear, the audio display displays the rear of the car.

Shut down

 Pull the gear out of reverse gear, and the entire reverse assist system is automatically turned off.

When reversing, there are 3 different color line segments on the display screen to indicate the distance between the car and obstacles \Rightarrow as shown in Figure 63.

- Green line: indicates that the car is far away from the obstacle, and the driver can safely reverse.
- Yellow line: The distance between the car and the obstacle is



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moderate, and the driver needs to reverse carefully.

 Red line: indicates that the vehicle is close to obstacles, and a collision is likely to occur. Therefore, the driver cannot continue to reverse.



Fig 63 Display screen when reversing



Explain

The reversing image function is only used as an auxiliary function to help the driver to reverse the operation, please drive carefully when reversing, pay attention to the surrounding situation of the car, so as to avoid accidents.

Suitable for: Vehicle with reverse cameras

Reverse camera safety instructions *

It is recommended to practice parking in areas with low traffic or in parking lots with the back-up video function to familiarize yourself with the system, orientation lines and functions. It's best done in good weather.

The picture displayed on the display will change depending on the state of the car, such as motion, stationary, load and so on.

Maintenance of reverse camera

- Wet the lens and clean it with a dry cloth.
- Remove snow with a plastic scraper.
- remove ice with a deicing spray.



Careful!

- Do not use warm or hot water to clear the ice and snow on the reverse camera, it is dangerous to crack the lens!
- Do not use polishing materials when cleaning the lens.

Safe driving

Basic principle

Safety first

Safety is of the utmost importance.

In this section you will find important information, advice and warnings for your safety and that of your passengers, which you should read and follow carefully.

Safety equipment

Safety equipment is part of the occupant protection system. These devices reduce the risk of injury in the event of a traffic accident.

Do not "play with" your safety and the safety of your passengers. Safety equipment can reduce the risk of injury in the event of a traffic accident. Here is a list of some of the safety equipment in the car:

- Optimised three-point harness on all seats.
- Front seat belt stretcher.
- Seat belt height adjuster on the front seat.
- Headrests for all seats.
- Optimized head and cervical protection.
- Front airbag. *

• Height adjustable headrest.

These safety devices work together to provide the most effective protection for you and your passengers in the event of a traffic accident. Safety equipment will be of no use to you or the passenger if you or the passenger are not sitting correctly, adjusting or using it properly.

Therefore, you should familiarize yourself with why these devices are important, how they are protected, what to look for when using them, and what you and your crew can do to make the most effective use of the existing safety equipment.

This manual contains important warnings that you and your passengers should follow to reduce the risk of injury.

Before trip

The driver is responsible for ensuring the safety of the occupants and the safe operation of the vehicle. For the safety of you and the occupants, pay attention to the following requirements before each trip:

- Make sure the lighting and turn signals on the car are working properly.
- Check the tire pressure.
- Ensure that all window glass is clear and transparent, and the



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field of view is good.

- Make sure that nothing obstructs the movement of the pedal.
- Adjust the rear view mirror, front seat, and headrest according to your size.
- adjust the headrest according to their body size.
- Properly fasten the seat belt .

What factors have a negative impact on driving safety?

Driving safety basically depends on the driving mode and the state of all occupants themselves. The driver is responsible for the safety of himself and his passengers. If your driving safety is affected, it is not only a danger to yourself, but also to other road users

- Do not let other things interfere with your observation of the road, such as chatting with passengers or talking on the phone.
- If your ability to drive a car is affected (e.g. under the influence of drugs, alcohol, drugs), you should never drive a car.
- Obey the traffic laws and the specified speed.
- Drive at a suitable speed at all times according to road conditions and traffic and weather conditions.
- Do not drive when tired.

Pedal area

Pedal

Never allow objects or foot pads to affect the handling and movement of a pedal.

- Ensure that the gas pedal and brake pedal are pressed to the bottom at all times without obstruction.
- Ensure that the pedal can be returned to its original position without hindrance.

Use only footpads that ensure that the pedal area is unobstructed and firmly fixed in the foot space.

When a brake circuit fails, the brake pedal must be pressed to the bottom for a longer period of time in order to stop the car.



Warning!

 Never place items in the driver's foot space. An item may slip under the pedal, preventing it from operating. The pedal may not be operated during emergency acceleration or braking and there is a risk of an accident!

Driver's side foot pad

Only pads that are securely attached to the foot space and do not interfere with pedal manipulation are allowed.

Ensure that the foot pads are firmly in place during driving and do not interfere with pedal handling.

Seat belts

Fasten your seat belt properly

important safety instructions related to wearing seat belts

Properly wearing a seat belt will greatly reduce the risk of injury!



Warning!

- The protective effect of the seat belt can only be maximized if the seated position is correct.
- The seat belt must not get stuck, twisted, or attached to sharp edges.
- Two people are never allowed to share a seat belt (even children). If your child is sitting in your arms, the safety belt is especially dangerous.
- Do not wrap the seat belt around hard or fragile objects (glasses, ballpoint pens, etc.) as this may result in physical injury.
- The latch of the seat belt can only be inserted into the lock of the seat;
 otherwise, the protective function of the seat belt will be affected.
- Please check the condition of your seat belt regularly. If damage is found to the belt fabric, belt connector, belt automatic rewind device or latch, the appropriate belt must be replaced by the service station.
- The seat belt must not be removed or modified in any way. Do not repair your seat belt yourself.

Wear a three-point seat belt

Wear your seat belt on first, then start again!



Adjustment of headrest and fastening of seat

belt

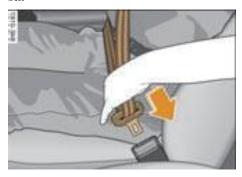


FIG.65 Driver's seat: seat belt latch and latch

- Before fastening the seat belt, properly adjust the front seat and headrest.
- Insert the latch into the latch belonging to the seat until the engagement sound is heard ⇒ Figure 65.



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- Pull the seat belt to check whether it is locked in the latch.



Explain

- Each three-point seat belt is equipped with an automatic seat belt rewind. This automatic rewinding device ensures free movement of the belt when slowly pulling out. However, the automatic rewind device can lock the seat belt during sudden braking. Automatic rewind devices can also lock the seat belt when the car is accelerating, driving in mountainous areas, and turning.
- Match the harness to your body size using the equipment below:
 - Seat belt height adjustment mechanism.
 - Height-adjustable front seats.

Seat belt height adjustment

The three-point harness ADAPTS to height at the shoulder area with the harness height adjustment mechanism.

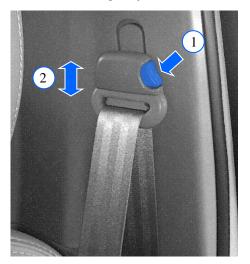


FIG.66 Seat belt height adjustment mechanism guide

- Press button ①and move guide mechanism ②up or down to adjust the appropriate seat belt height ⇒ as shown in Figure 66.
- Then yank the seat belt to check that the guide is firmly positioned.



Explain

• The shoulder belt section must pass roughly through the

middle of the shoulder, never around the head and neck!

 The seat height adjustment mechanism can also be used to adjust the front seat height to fit the requirements of the belt fastening mode.

Unfasten the seat belt

The red button in the buckle is used to release the seat belt from $\$

the buckle.



FIG.67 Release the latch from the seat belt latch

- Press the red button on the seat belt lock with your finger ⇒
 Figure 67. The latch pops out under the action of the spring.
- When the belt is not in use, hand back the belt to the rewinding state so that the belt's automatic rewinding device can more smoothly rewind the belt without damaging the decorative material.

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Suitable for: Vehicle equipped with this system

Airbags*

Airbag system description

General instructions for airbag systems

Airbags are part of the whole passive safety protection system.

The airbag system complements the three-point seat belt and provides additional head and chest protection for the driver and co-pilot in more severe frontal crashes.

In addition to the general protective role of the seat belt, it can also keep the occupant in the correct sitting position in the event of a traffic accident, so as to allow the airbag to deploy smoothly and provide additional protection for the occupant.

The airbag system works only if the ignition system is turned on. The functional readiness of the airbag system is monitored electronically and indicated by the airbag indicator.

The airbag system mainly consists of the following parts:

- Electronic Control Unit (ECU).
- Main air bag (mounted on steering wheel), secondary air bag (mounted on instrument bench).
- Sensors for airbags.
- airbag indicator on the instrument.

The following conditions indicate that the airbag system is

faulty:

- The indicator light is not on when the ignition system is turned on.
- The indicator light does not go off after the ignition system is turned on for 4 seconds.
- After the ignition system is turned on, the indicator light goes off but comes on again.
- The indicator light is on or blinking during driving.



Warning!

- Airbags cannot replace seat belts; they are an integral part of a car's
 passive safety protection system. Only when working with a fastened
 seat belt can the airbag system be of maximum protection. Therefore,
 you should always wear your seat belt.
- The maximum protection of seat belt and airbag systems can only be achieved when seated correctly.
- If you are not wearing a seat belt, lean forward or sit incorrectly in the vehicle, you increase the risk of injury in the event of an accident that triggers the airbag system.
- The airbag components are installed in different parts of the vehicle. If you remove and install the components of the airbag system or perform other maintenance work on the airbag system, the parts of the airbag system may be damaged. Causing the airbag to work abnormally or even not trigger at all when the car has a traffic accident.

- If there is a fault in the airbag system, the system should be repaired at authorized service station. Otherwise the airbags may not work in the event of an accident.
- None of the components of the airbag system are allowed to be altered.
- Without the permission of the authorized service station, the vehicle shall not be modified, which may cause damage to the parts of the airbag system. The change of automobile tire, suspension and so on will cause changes in vehicle parameters, so that the sensor measurement data of the air bag system will be wrong, affecting the normal work of the air bag system.

When the airbag triggers

In severe crashes, the airbag system can trigger.

The airbag system is designed so that in the event of a more serious frontal crash, the driver and co-pilot airbags will be activated.

In the event of minor frontal and side crashes, as well as in the event of rear collisions and rollover accidents, the airbag system does not trigger. In this case, the occupant is protected in the normal manner by the fastened seat belt.

Trigger condition

The trigger range of the airbag system in various accident situations cannot be broadly determined, because the specific circumstances of the accident are very different. For example, the degree of softness and hardness of the object hit by the car, the collision Angle and the speed of the car are all important factors for the trigger of the airbag

The decisive factor in the trigger of the airbag system is the deceleration curve generated during a collision. Sensors installed in the car, together with the control unit, identify the severity of the collision and selectively trigger the occupant protection system in time. If the deceleration generated and measured at the time of the collision is lower than the pre-set reference value in the control unit, the airbag will not be triggered despite the fact that the car may have been severely deformed in the accident.

The airbag does not trigger under the following conditions:

- The ignition system was switched off at the time of collision.
- The deceleration rate measured by the control unit in frontal collision is too small.
- side impact.
- rear of the car crashes.
- Rollover.
- The speed at the time of collision was lower than the speed set by the control unit.



Explain

- When an airbag expands, it produces a fine plume of smoke.
 This is completely normal and does not mean the car is on fire.
- The fumes released may irritate the skin and eye membranes and may cause breathing difficulties, especially in people with asthma or health conditions. In this case, such personnel should get out of the car or open the Windows and doors to breathe fresh air and breathe smoothly.
- If you have been exposed to released fumes, wash hands and face with soap and water before meals.



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- Never wipe eyes or touch open wounds with hands that have been exposed to smoke.
- If smoke enters eyes, rinse eyes with clean water immediately.



Airbag instructions

Airbag systems do not replace seat belts!

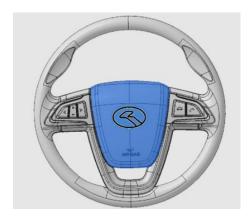


FIG.68 Driver airbag in steering wheel

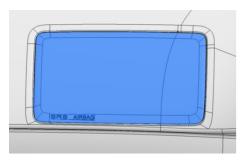


FIG. 69 In-dash copilot airbag

- The airbag in the steering wheel is located inside the steering wheel cushion. On the surface of the cushion, the words "AIR BAG" are marked ⇒ in Figure 68.
- The secondary airbag on the instrument bench is located above the storage box. Mark the surface of the airbag with the words SRS ⇒ as shown in Figure 69.

The airbag system complements the three-point seat belt and provides additional protection to the head and chest of the driver and co-pilot in more severe frontal crashes.

The function of airbag

Fully dilated air bags reduce the risk of head and upper body injuries.



The airbag system is designed to trigger the driver and co-pilot airbags in the event of a more serious head-on crash.

When the airbag system is triggered, the airbag is charged with the explosive gas and expands in front of the pilot and co-pilot. The inflating of the airbag can be done at high speed in a few fractions of a second, providing additional protection to the occupants in an accident. When the front occupant is caught in the fully dilated airbag, its forward thrust inertia is cushioned, thus reducing the risk of head and upper body injuries.

The specially developed airbag allows the right amount of gas to be expelled when compressed by the occupant, in order to act as an arresting effect on the head and upper body of the occupant. After an accident, the inflated airbag is immediately vented to ensure that the driver's view is not obstructed.

Important safety notes on airbag systems

Proper use of the airbag system will greatly reduce the risk of injury!



Safe distance from the steering wheel



Grip steering wheel position: 3 o 'clock, 9 o 'clock position

•

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Warning!

- It is important for the front and co-driver to maintain a distance of at least 25 cm from the steering wheel or dashboard. If you do not maintain a minimum distance, the airbag system is not protective and there is a risk of injury if the airbag inflates. In addition, the front seat and headrest must always be adjusted to fit your body.
- The risk of injury significantly increases if you are not wearing a seat belt, lean to the side or forward, or sit incorrectly. If the airbag triggers and hits you, the risk of injury is greater.
- Do not use rear-facing child restraint systems in front airbag protected (active) seats!
- No other persons, pets, or objects shall be between the front passenger and the airbag's range of action. When the air bag is triggered, this space will be occupied by the air bag, and if there is anything else, it can cause great harm to the occupant, or even kill the occupant.
- Objects are not allowed to be placed in the front seats, nor are front seat occupants allowed to hold or hold objects, in case the vehicle is in a head-on collision due to inertia forward objects, by the expansion of the air bag ejected. Flying objects can cause injury to the occupants of the car.
- The cushion on the steering wheel and the surface of the airbag module in the dashboard on the passenger side shall not be attached, covered or otherwise disposed of. These two places are only allowed to be cleaned with dry or water-soaked rags. It is also not allowed to fix accessories on the cover plate of the airbag module, such as beverage holders, telephone supports, etc.
- Do not clean the cover of the airbag module on the steering wheel and instrument platform with solvent containing cleaning solution. The solvent will cause the cover surface to loosen. When the airbag is triggered, the broken plastic can cause injury to the occupants of the vehicle.
- Any operation of the airbag and the disassembly of the system

- components for repair of other parts, such as the removal of the steering wheel, are only allowed to be carried out by authorized service station.
- If the airbag warning light on the instrument is on, it indicates that the airbag system is faulty. You should go to the special maintenance station of Jinlong Automobile for inspection and repair immediately. It is not allowed to drive the vehicle in the case of a faulty airbag system, so as not to trigger under conditions that should be triggered, not to provide protection to the occupant, or to trigger under conditions that should not be triggered, causing injury to the occupant.

Intelligent technology

stabilization system

ABS Braking anti-lock braking system

ABS prevents the wheel from getting stuck while braking.

The main function of ABS braking anti-lock system is to improve the active safety during driving. However, the ABS system cannot be expected to reduce the braking distance in all cases. For example, on a sandy road or a smooth road surface after a recent snow, the braking distance may still be long, even if you drive carefully and slowly.

How ABS braking anti-lock system works

When the ABS system is powered on, an automatic inspection process begins. The sound of the pump running can be heard at this time.

If the speed range of a wheel is too low relative to the vehicle speed and has a tendency to lock up, the brake pressure on that wheel will be reduced. This adjustment process can be detected by the vibration of the brake pedal. This tells you, as the driver, that the wheels are tending to lock (ABS adjustment range). In order for the ABS to have the best adjustment control in this range, you must hold the brake pedal and never "tread repeatedly"!



ABS braking anti-lock system can not exceed the boundaries of physical

laws. This should be taken into account especially when driving on slippery or wet roads. When ABS comes into control, you should quickly adjust your speed to the road conditions and traffic conditions. It is not allowed to risk driving due to the improved safety of this system, otherwise there is the risk of an accident!!



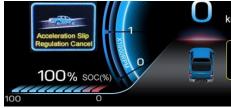
Explain

If the ABS system fails, it will be displayed through an indicator.

ASR cancels drive anti-slip system

Under the working condition that the drive anti-skid function needs to be turned off on the off-road section, press the "ASR" cancel switch \Rightarrow as shown the yellow icon of "Cancel drive anti-skid" is displayed.





Cancel ASR

Maintenance and cleaning

Simple maintenance

Brake check

The wear condition of the brake drum, brake disc and friction plate can be judged by listening to the sound.

Disc brake

An alarm plate is installed near the friction plate on the disc brake caliper, which moves with the friction plate when braking. When the friction plate is worn to the extent that it needs to be replaced, the alarm plate will scratch with the brake disc and make a "squeak" sound to remind the user that the friction plate needs to be replaced.

Drum brake

An alarm plate is installed near the friction plate on the brake shoe of the drum brake, which moves with the friction plate during braking. When the friction plate is worn to the extent that it needs to be replaced, the alarm plate will scratch with the brake drum and make a "squeak" sound to remind the user that the friction plate needs to be replaced.

Charging Methods

Charging

Charging procedure

When the vehicle is powered on or off, it can be charged using the DC (fast charge) or AC (slow charge) charging mode.

A. Prepare before charging

- shift back to Neutral position, power off position.
- Press the charging port cover switch in the cab ⇒ FIG. 75.
 The charging port box cover located in the left front outside of the vehicle automatically pops off ⇒ FIG. 76.
- Open the protective cover of the charging port. If AC slow charging is used, just open the protective cover of the charging port ⇒. If DC fast charging is used, open the protection covers of the upper and lower charging ports at the same time ⇒ as shown in Figure 78.



FIG.75 charging port cover switch



FIG.76 charging port cover



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FIG.77 AC slow charging

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FIG.78 DC charging port

B. Check before charging

- Ensure that the charging device is free from abnormal conditions such as broken shell, worn cable, rusty plug, or foreign matter.
- Ensure that there is no water or foreign objects in the socket (charging port) port of the vehicle, and that the metal terminals are not damaged or affected by rust or corrosion.
- If the preceding situation occurs, do not charge the battery, which may result in short circuit or electric shock, which threatens life.

C. Connect the charging port

D. Connect the DC or AC charging vehicle plug to the vehicle charging outlet and securely lock.

E. Charging Settings

• requires DC charging pile with power above 50KW to

- charge \Rightarrow FIG. 79. According to the DC charging cabinet instructions, follow the steps to set.
- Read the accompanying instructions before using a DC charging gun.

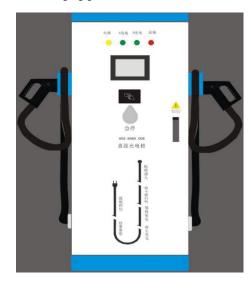


FIG. 79 DC device

F. Charging starts

The indicator light of the charging cable at the rear of the charging port of the charging gun ①lights up ⇒ as shown in Figure 80. The indicator light of the charging status after charging starts②lights up, and the charging information ⇒ as shown in Figure 81.

• If an error occurs during the charging process, the charging process exception indicator ③ will light up.

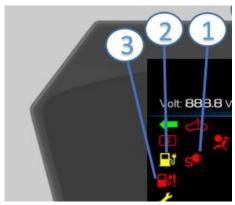


FIG. 80 indicator



FIG. 81 Standby charging display

G. Charging ends

 Reach the set charging end condition or fully charged, stop charging. If you need to stop charging during charging, follow the instructions for using the charging cabinet.

H. Disconnect the vehicle charging port

- When gun lock is removed, unplug and replace it.
- Close the protective cover and case cover of the charging port.

Charging gun drawing precautions

a) Lock gun principle:

• The charging gun comes with a gun lock (gun lock car), lock the gun when charging, to prevent the danger of live drawing the gun..

b) How to draw a gun:

- Method 1: Wait 90 seconds, the gun lock is automatically lifted (does not exclude the different time of individual brands of charging piles).
- Method 2: If the charging pile fails, the gun lock will be lifted immediately.
- Method 3: (Not recommended) Press the emergency stop button on the charging pile (red prototype button on the charging pile) to release the gun lock immediately.



The charging time will be extended due to factors such as ambient temperature and power battery life.

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Warning!

DC charging must be carried out in accordance with the relevant regulations of the charging station .

Caution

- Before charging, check whether the charging port, charging gun, charging plug and other devices are dry. Do not charge the charging device or your hands are wet.
- If the charging device is corroded or damaged, do not charge it.
- During thunderstorms, you are advised to stop charging the vehicle. Lightning may damage the charging device.
- Do not charge the vehicle outside in rain or snow.
- When inserting or removing the charging gun, press the release switch and vertically insert or remove the charging gun. Do not shake the charging gun when inserting/pulling out.
- Do not disassemble the charging gun. Otherwise, the charging failure or fire may occur. ■

Check and add

Front Compartment Cover.

Front compartment cover unlocked

Unlock the compartment cover from inside the car.



FIG.82 Driver's right leg

- Pull the handle on the lower right side of the instrument panel in the direction of the arrow ⇒. Figure 82.
- The cabin cover is removed from the locking mechanism by a spring force.

Open compartment conver



FIG.82 opening handle under the cabin cover

- Raise the cabin lid a bit.
- Press the warping switch under the cabin cover to the left ⇒ as shown in Figure 83. The hook will be released.
- Open the cabin cover.
- The cabin cover is held in the open position by rod.



Warning!

If you see steam or coolant coming out of the cabin, do not open the cabin cover, or you will risk burns! Wait until the steam or coolant no longer spills \blacksquare

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Work in the front compartment

Be careful when doing all your work in the cabin!

There are risks of trauma, burns, accidents and fires when operations such as inspection and oil filling are carried out in the cabin. The following warnings and general safety guidelines must therefore be followed. The cabin of a car is a dangerous working area!



Warning!

- Power off the vehicle
- Pull out the ignition key
- tighten the parking brake
- Do not touch the radiator fan while the vehicle is still hot. The fan may suddenly turn itself on!
- Do not open the lid of the coolant compensation tank while the vehicle is still hot. The cooling system is under pressure!
- To protect the face, hands, and arms from steam or hot coolant, cover the lid with a large rag when it is opened.



Careful!

When adding oil, please note that the oil must not be confused. Otherwise, there will be serious functional defects and vehicle damage!



Environmental protection note

In order to detect leaks in a timely manner, the ground under the car should be inspected regularly. If you see oil or other oil stains, please take the car to the repair shop for inspection.

Close compartment cover

- Pull down the cabin cover until the support force of the pneumatic spring support rod * is overcome. In some configurations of the car, the cabin cover is lifted lightly, and then the cabin cover support rod is removed and put back in place.
- Then let go and let the cabin cover fall and lock. Don't press again!





Warning!

- For safety reasons, the cabin cover must be securely locked at all times while driving. Therefore, the lock should be checked for proper engagement after the cabin cover is locked. If the cabin cover is flush with the surrounding body parts, it is properly locked.
- If you find that the lock is not engaged while driving, you must stop immediately and re-lock the cabin cover, otherwise there is a risk of an accident!

Front compartment view

front compartment view

Some of the most important review items.



FIG. arrangement of various filling ports

- 1 brake fluid storage tank.
- 2 Coolant sub-tank.
- 3 Power steering oil tank.
- Window glass cleaning liquid storage tank.

Brake oil

Check brake fluid level

Check the brake fluid level at a glance.



FIG.85: The mark on the brake fluid reservoir

Look at the level on the brake fluid reservoir ⇒ Figure 85. This level must always be kept between the marks "ADD (minimum)" and "MAX (maximum)".

In the operation of the vehicle, due to the wear of the brake friction plate and its automatic regulation, the brake fluid level will be slightly reduced, which is normal.

However, if the level is significantly reduced within a short period of time, or falls below the mark "ADD (minimum)", there may be a brake system leak. If the brake fluid level is too low, the brake fault indicator will also light. In this case, you should immediately go to the authorized service station to check the brake system.

Brake fluid replacement

The brake fluid should be replaced by a professional.

Brake fluid is hygroscopic. As a result, it absorbs water vapor from the surrounding air when used. The excessive water content of brake fluid will cause continuous corrosion damage inside

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the brake system. In addition, the boiling point of the brake fluid will be greatly reduced. Under certain conditions, it will be affected brake.

It is recommended that you replace the brake fluid during routine maintenance at authorized service station. Because the necessary special tools and accessories are available, the staff has the necessary expertise and is responsible for the recovery and disposal of waste brake fluid.

Only original brake fluid is allowed. Authorized service station understand the manufacturer approved brake fluid "DOT 4". The brake fluid must be new.



Warning!

 Always use the prescribed brake fluid. In addition, different grades of brake fluid will produce chemical reactions when mixed together, so it is necessary to avoid mixing different grades of brake fluid.



Careful!

Please be careful not to allow brake fluid to adhere to the car paint, as brake fluid will corrode the car paint.



Environmental protection note

If the brake fluid must be discharged, it must be collected in a container and recycled as required.

Coolant fluid

Coolant fluid

The cooling fluid is used to cool the drive motor.

The coolant of the car must be replaced at the intervals specified in the maintenance manual. Please refer to technical data \Rightarrow for the specifications of the coolant used in this vehicle.

Check the coolant level

The coolant level can be checked at a glance.

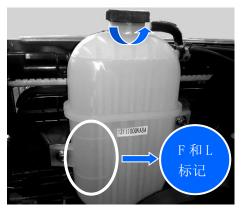


FIG.86 Mark in coolant subtank

- Power off.
- Allow the vehicle to cool sufficiently.
- Check the coolant level directly on the coolant sub-tank. In the cold state, the coolant level must be between the marks "L (lowest)" and "F (highest)". In the hot state, the coolant level will slightly exceed the mark "F (Max)" ⇒ Figure 86.

The coolant level can only be properly checked when the power is off.

The LCD instrument display has a cooling system fault indicator light for monitoring the coolant level.

Coolant loss

The most important cause of coolant loss is leakage, and just adding coolant is not enough. Please check the cooling system at authorized service station immediately.

If the cooling system is well sealed, the loss of coolant may simply be caused by the coolant overheating and boiling out of the cooling system.

Add coolant fluid

Care must be taken when adding coolant.

- Power off.
- Allow the vehicle to cool sufficiently.
- Cover the coolant compensated cover with a rag ⇒ as shown in Figure 86, then carefully unscrew the cover to the left to remove it.
- Add coolant fluid.
- Close and tighten the lid.

When adding coolant, use only new coolant and must comply with the specified specifications.

If the coolant does not meet the specifications in an emergency situation, no other additives should be injected. In this case, only water can be added first, and the coolant of the specified specifications can be readded as soon as possible later.

Add only until marked "F". Excess coolant will overflow from the cooling system through the safety valve on the secondary tank cover when heated.

When the loss of coolant is large, the coolant should only be injected when the vehicle is fully cooled, so as to avoid damage to the vehicle.



Warning!

 Cooling system under pressure! Do not open the cover of the coolant sub-tank when the vehicle is hot, otherwise there is a risk of wound!!



Environmental protection note

If the coolant must be drained, the coolant that has been drained cannot be reused. The released coolant should be caught in a container and then recycled in accordance with environmental protection regulations.

Radiator fan

The radiator fan may turn on automatically.

The radiator fan is an electronic fan. The fan is controlled according to the temperature of the coolant and the temperature of the cabin.

This auxiliary fan may continue to operate for up to 10 minutes after the vehicle's power is turned off, even when the ignition system is turned off. In the following cases, the auxiliary fan may automatically turn on again after a period of inactivity.



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- The coolant temperature rises due to the cumulative heat effect
- Hot cabin is further heated by strong sunlight.



Warning!

When working in the cabin, it must be considered that the fan will open on its own, otherwise there is a risk of injury! \blacksquare

Power steering oil

Power steering oil level check

The correct power steering oil level plays an important role in the good operation of the steering booster.



FIG.87: Marked position on the power steering tank

When the vehicle is COLD, the liquid level on the power steering tank shall reach the mark of COLD MAX \Rightarrow as shown in Figure 87. If the liquid level is below the mark of COLD MIN, the

specified oil shall be filled.

When the vehicle is HOT, the liquid level on the power steering tank should reach the mark of HOT MAX. If the liquid level is below the mark of HOT MIN, the specified oil must be added.

Please refer to technical data \Rightarrow for the specifications of power steering oil for this vehicle.



Warning!

 Do not mix different grades of power steering fluids, otherwise it will cause abnormal noise, jitter, and damage to the hydraulic pump and other faults!



Environmental protection note

- Never dispose of steering fluid into drains or land.
- Comply with legal requirements when retrieving empty power steering oil drums.

Glass washing fluid

Adding washing fluid

When the wiper can not spray the washing liquid, that is to remind you that the window glass washing liquid is insufficient, please fill the glass washing liquid in time!

Open the window glass to clear the washing liquid storage tank cover \Rightarrow Figure 88, slowly pour the washing liquid, so as not to overflow the washing liquid. If it spills, clean it up immediately.

High-quality washing liquid should be added to improve the decontamination capacity and prevent freezing in cold weather.



FIG.88 Open the window glass washing liquid storage tank



Explain

 If the ambient temperature is lower than 0 ° C, use a liquid with adequate antifreezing performance.

Battery(12v)

Summarize

All work on batteries requires specialized knowledge!

The battery is maintenance-free. Please check according to the maintenance manual during routine maintenance.

It is recommended to replace batteries that are more than three years old.

Disconnect battery

Disconnecting the battery will disable several functions of the car, such as power window lifters. The system can remember these functions again only after the battery is reconnected. Therefore, in order to avoid this situation, the battery should only be disconnected from the vehicle grid in special cases.

Long-term parking

If you park the car for a few days or weeks, the electrical power will gradually be reduced or turned off. This reduces power consumption and maintains starting performance over a longer period of time.

Winter driving

The battery is particularly heavy load in the cold season. In addition, the starting power of the battery will be reduced when the temperature outside the car is low.



Explain

If the car does not run for several weeks on extremely cold days, the battery should be removed and placed in a room that will never





freeze to prevent the battery from being damaged by "freezing".

Warning for battery operation

All work with batteries requires specialized knowledge.

The onboard battery is located in the cabin.



Careful!

- Do not disconnect the battery when the ignition system is on or the vehicle is starting, as this will damage the electronic device or electronic components.
- Do not leave the car battery in direct sunlight for a long time to prevent the shell from being damaged by ultraviolet rays.
- When the car is parked for a long time, the battery should be antifreeze treatment, so that it will not be "frozen" and damaged.

Battery charging

All work with batteries requires specialized knowledge.

- Turn off all electrical appliances. Pull out the ignition key.
- Open the front compartment cover.
- Open the red cover on the positive terminal.
- Clamp the electrode holder of the charging device to the jumper starting terminal (the terminal "positive" under the red cover plate with a 150A slow melt safety) as specified; Another

- terminal "negative").
- Now first plug the power cable of the charging device into the power outlet, and then turn on the device.
- After the charging process is complete: Turn off the charging device and remove the power cable.
- Remove the electrode clip of the charging device.
- Close the red cover on the positive terminal.
- Close the cabin cover.

Battery charging

Before charging the battery, you must pay attention to the manufacturer's instructions of the charger! When charging with a small current intensity (for example, with a small charging device), it is not necessary to disconnect the battery connection cable. Do not turn on the battery while charging.

Rapid battery charging

For technical reasons, it is not allowed to use a charger with an output voltage greater than 14.8 volts for fast charging.



Warning!

Do not charge frozen batteries, otherwise there is a risk of explosion.

Battery replacement

The specifications of the new battery must be the same as those of the old battery.

The new battery must have the same capacity, voltage (12 volts), current strength, construction, and a sealing plug. The battery must comply with TL 82506 (December 1997 version or later) and VW 75073 (August 2001 version or later).



Careful!

- The exhaust hose must be connected to the opening on the side of the battery; otherwise, the gas or battery electrolyte may overflow.
- The battery support and battery terminals must be secured correctly.



Environmental protection note

Batteries contain little harmful substances, such as sulfuric acid and lead. Therefore, the waste battery must be recycled in accordance with the regulations and must not be treated as domestic waste. Please be careful not to turn the removed battery over, otherwise sulfuric acid may flow out.

Wheels and Tires

wheels

summarize

- Be especially careful for the first 500km on new tyres.
- When driving over a curb or similar area, only at a slow speed, with the wheel at a right Angle to the curb as far as possible.
- Always check the car tires for damage (punctures, nicks, RIPS and pits). Remove the foreign matter from the tire pattern.
- Replace damaged wheels or tires as soon as possible.
- Keep tires out of contact with oil, grease, and fuel.
- If the dust cap of the valve nozzle is lost, configure a new one in time.
- Mark the wheel before removing it so that the original rolling direction can be maintained when reinstalling it.
- Keep the removed wheel or tire in a cool, dry place and as far away from light as possible.

New tire

The new tire has not yet formed the optimal adhesion ability at the beginning of use, so it should be "run-in" at a moderate speed and the corresponding prudent driving mode in the first 500km. It also extends the life of the tire. Due to structural characteristics and

tread design reasons, different new tires (depending on the model and manufacturer) will have different depth of pattern.

Imperceptible damage

Damage to tires and rims often occurs covertly. Abnormal vibration or deviation during driving may indicate tire damage. If you suspect tire damage, be sure to reduce your speed immediately. Stop and check for tire damage. If you can't see the damage from the outside, please slow down and continue driving accordingly, and drive the car to the nearest service station to check.

Tires marked with rolling direction

The side of the tyre marked with the rolling direction is marked with an arrow. The tyre must be used in this specified direction of rotation. This ensures optimized tire performance in terms of preventing water skiing, improving adhesion, reducing driving noise and extending wear life.

The service life of the tire

Proper tire pressure and proper driving can extend the service life of the tire. The tire inflation pressure sign is located at the main driving door frame \Rightarrow Figure 89 with the tire inflation pressure data sheet.



FIG. 89 Tyre pressure mark

- Check the tire pressure at least once a month.
- Check the tire pressure only when the tire is cold. Do not reduce the increased tire pressure when the tire is hot.
- When the vehicle load is large, the tire pressure should be adapted to this.
- Avoid fast driving and rapid acceleration on corners.
- Check the tires regularly for abnormal wear.

Wheel dynamic balance

The wheels of the new car are balanced, but in operation due to various effects may make the wheels appear unbalanced, which can be manifested by the jitter of the steering mechanism. Because unbalanced wheels cause excessive wear on the steering system, wheel suspension mechanism, and tires, the wheels should be re-balanced. In addition, each wheel must be re-balanced after new tires are installed or tire repairs are performed.

Wheel alignment defect

When the chassis adjustment error will not only cause excessive tire wear, but also affect the driving safety. Therefore, when the tire is abnormally worn, the wheel positioning should be checked at the special maintenance station of Jinlong Automobile.



Warning!

- Please match the tyre inflation pressure to the current load of the vehicle at all times.
- Driving at high speeds for a long time will cause tires with low inflation pressure to frequently deform and squeeze. This can cause the tires to overheat. This may cause the pattern to crack or even burst, there is a risk of accidents!



Environmental protection note

Low tire inflation pressure increases fuel consumption.



Explain

Too high or too low tire pressure will shorten tire life and have an adverse effect on the driving characteristics of the car.

Wear mark

The wear mark indicates whether the tire is worn out.



FIG. Tire pattern wear mark

Interchangeable wheel

FIG.91 interchangeable wheel



In order to ensure uniform wear of all wheels, it is recommended to periodically swap the left and right wheels of the vehicle at the same time according to the diagram shown in \Rightarrow Figure 91. This allows all tyres to have almost the same service life.

New tires or wheels

Knowing the tire data allows you to make the right choice. For example, a radial tire has the following label on the side about the tire: $245/70R17\ 110\ S$

meanings are respectively:

245	Tire width: mm
70	Height and width ratio: %
R	Radial radial tire structure marked letter R
17	Rim diameter: inches

110	Load capacity parameters
S	Speed mark letter

However, please note that although the size data on the tire is the same, for example, the rated size of 245/70R17 110 S, the actual size of the different types of tires may be different from this rating or the tire shape may vary greatly. Therefore, when purchasing replacement tires, it is recommended to use the original car brand specification tires.

Rescue

Reflective vest and warning triangle sign

Reflective vests and warning triangle signs serve as warning and protection on the road.



FIG.92 reflective vest

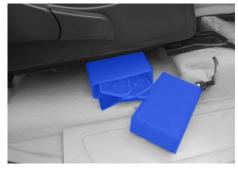


FIG.93 Triangle

- When the vehicle breaks down on the road and needs to get out

- of the vehicle for a simple repair or to wait for assistance, you should: -Press the flashing alarm switch;
- Open the glove box in the passenger seat, take out the reflective vest and put it on ⇒ Figure 92;
- Wear a reflective vest:
- Open the triangle warning sign box directly under the driver's seat and take out the folded triangle warning sign ⇒ Figure 93.
- Unfold the warning triangle and place it 100 meters behind the vehicle.

Put the reflective vest and warning triangle back to their original positions after use.



Warning!

- Please be sure to put the warning triangle sign 100 meters behind the vehicle after wearing the reflective vest, otherwise there is a risk of accident!
- Do not change the storage location of the reflective vest and warning triangle sign at will, so as to avoid the failure of the vehicle can not be quickly removed and used, to protect your safety!

Extinguisher

The fire extinguisher is located behind the seat.



FIG.94

extinguisher location

- After finding fire danger, the vehicle should immediately stop the emergency, press the flashing alarm button on the instrument table, and take out the fire extinguisher to extinguish the fire.
- Remove the fire extinguisher behind the seat \Rightarrow Figure 94.
- 'Stand upwind of the fire danger, hold the fire extinguisher firmly, pull out the fire extinguisher safety pin, press the fire extinguisher pressure rod, and spray at the root of the flame until the fire danger is extinguished.

Put it back in its original position after use.

Familiarize yourself with how to use a fire extinguisher before operating it. Please read the instructions on the fire extinguisher carefully. In order to keep the fire extinguisher ready at all times, you should have the fire extinguisher checked regularly (at least once every two years) by the authorized service station and the fire brigade.

When purchasing a new fire extinguisher, check to see if it matches the appropriate mounting bracket.



Warning!

Note: The fire extinguisher is a disposable item, once used, it is necessary to go to the nearest service station and maintenance station to replace the new fire extinguisher, otherwise it is prone to danger!



Explain

- The purchase, installation and use of fire extinguishers must comply with the relevant laws and regulations in force.
- Please observe the expiration date of the fire extinguisher. Fire extinguishers that have exceeded their expiration date do not produce normal efficacy when used.

Vehicle tools

Car kit

The car kit is located behind the seat.



Vehicle kit location

The vehicle tools include the following parts:

- wheel nut wrench
- spare tire crank
- spare tire handle extension lever
- Jack handle
- screwdriver■

Car jack

The car jack is located behind the seat.



Jack location

Before putting the car jack back in its fixed position, fully retract the jack arm.

Suitable for: Vehicles with spare wheels

Spare wheel *

The spare wheels are located below the rear of the vehicle.

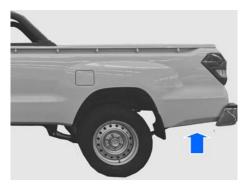


FIG.97 Spare wheel position



FIG.98 Remove and secure spare wheel

Take out spare wheel ⇒ Figure 97

- Assemble the spare tire rocker and handle in the tool kit, insert it into the spare tire lifting hole under the back door of the cargo container, and align it with the end of the elevator.
- Turn the spare wheel counterclockwise to shake it and take it out.
- Fix replaced wheel ⇒ Figure 98
- Move the replaced wheel (with the wheel trim cover removed) under the spare tire lifter and place the lifter press plate.
- Use the spare tire rocker and handle to insert the spare tire lifting hole under the back door of the container, and align it with the end of the elevator.
- Turn the wheel clockwise to retract the spare wheel.

Change the wheel

Preparatory work

- If the tire is damaged, park the car as far away from traffic as possible. The ground should be level •
- Get all passengers off the vehicle. Leave the dangerous area immediately after getting out of the car (for example, go behind a highway guardrail).
- Ensure that the front wheels are facing forward and operate the parking brake to prevent the car from moving

unintentionally.

- If the car is traveling with a trailer: detach the trailer from your car.
- Take out your tools.



Warning!

- If a car is stopped in a busy lane due to a damaged tire, it must turn on the flashing alarm and put up a warning triangle sign. This protects both yourself and other road users.
- If necessary, use suitable wheel stops to prevent the vehicle from moving unintentionally. On slopes, use stops .

Change the wheel

- Before lifting the car, loosen the wheel nuts in a counterclockwise direction for about one turn.
- Lift the car with the car jack.
- Loosen the wheel nuts counterclockwise.
- Remove the damaged wheel and install the spare wheel.
- Remove the wheel trim cover from the inside of the damaged wheel ⇒ Figure 97.
- Insert the wheel trim cover over the inside of the spare wheel into ⇒ as shown in figure 100.
- Attach spare wheels to the car.
- Tighten the wheel nuts clockwise.
- Put the car down.
- Use a wheel wrench to tighten the wheel nuts to a torque of 140

 $N \bullet m$.



FIG.97 Remove the wheel trim cover

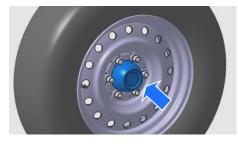


FIG.100 Insert



Explain

If the vehicle is not equipped with a spare wheel, remove the damaged wheel and send it for repair or request road assistance.



Warning!

Note: As long as the car is not lifted with the car jack, the wheel bolt can only be loosened for about one circle, otherwise there is the risk of an accident!

Lift car

In order to remove the wheel, the car must be lifted up with a car jack.

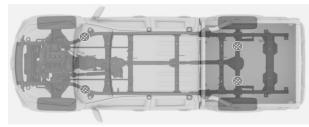


FIG.101 Car lifting point

- Assemble the jack rocker and rocker in the vehicle tool kit, and hang the jack swivel.
- Turn clockwise to lift the car and counterclockwise to lower the car.

The frame and rear axle points can be used as the lifting heights \Rightarrow Figure 101 if using a car jack or a garage's lifting machine or lifting platform.

If the jack is in other positions, it may cause certain damage to the body, steering system, suspension system, battery pack, motor and brake system.

If the ground under the car jack is soft it will cause the car to slide off the car jack. Therefore, the car jack must be placed on a solid ground. If necessary, a large solid pad can be placed under the jack. A non-slip pad (such as a rubber pad) should be placed under the

jack base on a smooth floor (such as a tile floor).



Warning!

- Proper measures must be taken to prevent the jack base from slipping, otherwise there is a risk of injury!
- 如 If the car jack is not placed in the specified position, it may damage
 the car. In addition, if the car jack is not fixed, it will slip from the car
 at any time, and there is a risk of injury!



Careful!

When using a car jack, it is best to fix the wheel with a stop before lifting the vehicle to avoid causing an accident (stop must be used on slopes).

Tires with directional markings

Tires with directional patterns must be installed in accordance with the specified rotation direction.

In order to take full advantage of directional tires, damaged tires should be replaced as soon as possible and all tires should be rotated in the right direction.



Explain

- If the wheel nuts are corroded or difficult to turn during replacement, replace them before checking the tightening torque.
- In order to avoid accidents, please only drive no higher than 80km/h before checking the tightening torq

Fuses and light bulbs

Fuses

Replace the fuse on the left side of the dashboard

The fuse must be replaced after it has blown. A label indicating the location of the corresponding fuse can be found on the inside of the cover of the safety box on the right side of the instrument panel \Rightarrow Figure 102.

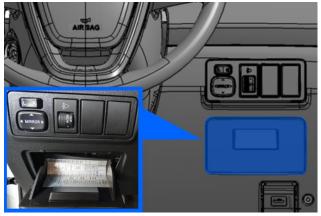


FIG.102 Safety box label on right side of instrument panel Every circuit in the car is protected by a blown fuse.

Change the fuse

Turn off the ignition system and related electrical appliances.

- Open the cover of the fuse box.
- Find the fuse that corresponds to the faulty appliance.
- Remove the yellow plastic clip from the fuse box, insert it into the faulty fuse and pull it out.
- If the fuse is blown (which can be identified by the blown metal sheet), replace it with a new fuse of the same specifications.



Careful!

Do not "repair" the fuse, and do not replace the fuse with a large current specification, otherwise there is a risk of fire! It may also cause damage to other parts of the electronic system.



Explain

If the newly replaced fuse blows again soon after, the electronic device must be checked by authorized service station as soon as possible.

Replace front compartment fuse

The fuse must be replaced after it has blown. A label indicating the location of the corresponding fuse can be found on the inside of the fuse box cover on the left side of the front nacelle ⇒ Figure 103. ■

FIG. 103 Location of front compartment fuse and relay label



Every circuit in the car is protected by a blown fuse.

Change fuse

- Turn off the ignition system and related electrical appliances.
- Open the cover of the fuse box.
- Find the fuse that corresponds to the faulty appliance.
- Remove the yellow plastic clip from the fuse box, insert it into the faulty fuse and pull it out.
- If the fuse is blown (which can be identified by the blown metal sheet), replace it with a new fuse of the same specifications.



Careful!

Do not "repair" the fuse, and do not replace the fuse with a large current specification, otherwise there is a risk of fire! It may also cause damage to other parts of the electronic system.



Explain

If the newly replaced fuse blows again soon after, the electronic device must be checked by authorized service station as soon as possible.

Bulbs

Replace bulbs

Replacing light bulbs requires a professional.

The following bulbs for external lighting in this vehicle can be replaced by yourself:

- Headlight: low beam bulb (Halogen lamp).
- Headlight: high beam bulb (halogen lamp).
- Headlight: Position light bulb.

The following bulbs must be replaced at service station:

- turn signal lamp bulb in headlight.
- Turn signal light source in exterior rearview mirror.
- Position light and brake light source in rear headlight.
- high brake light bulb.
- front fog light bulb *. (For some models)

Replacing the light bulb generally requires professional skills, because the location of the lamp and other parts of the car are relatively close to each other, and the operating space is very small

If you want to replace the front and rear headlamp bulbs by yourself, you need to understand how to remove the rear headlamp, otherwise it is easy to damage the lamp, it is recommended to be operated by professionals or to authorized station.

Bulb type

It is only allowed to replace the old bulb with a bulb of the same size, which is marked on the lamp holder.

Incandescent lamp (12V)	Type
Low beam	55W(H1)
High beam	55W(H1)
Position	W5W
Front turn signal lamp	LED
Front fog lamp	55W(H3)
Rear turn signal lamp	PY21W
Reverse lamp	W16W
Rear fog lamp	W21W



Warning!

- Do not work in the cabin when the cabin temperature is high to prevent chafing or burns!
- bulb has pressure inside, may explode during replacement, there are injuries maintenance!
- The temperature of the lamp is very high when it is working or after a short time, if you need to replace the lamp, please do so after the lamp temperature drops.
- When replacing the bulb, take care to prevent the sharp edge (including the sharp edge of the lamp and the sharp edge of the adjacent car parts) from causing injury.





Careful!

- Before performing any work on electronic devices, it is necessary to remove the ignition key to prevent the danger of short circuit.
- Turn off the headlights before changing the bulbs.
- Be careful when replacing the bulb to avoid damaging any parts.
- Easy to damage paint during disassembly. Therefore, it is still recommended to have the bulb replaced by a professional.

Replace the bulb on the headlamp

Replace the low light bulb

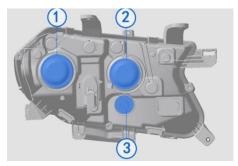


FIG.104 Rear view of headlights

Take the left headlamp as an example to describe the replacement steps of the bulb (the right headlamp replacement steps are the same):

- Turn off the ignition system and all lights.

- Open the front compartment cover.
- Remove the front bumper, use a tool to remove the four mounting screws on the headlight, and remove the headlight.
- Remove the rubber back cover of the lamp (⇒) as shown in Figure 104, the lamp holder and compression spring of the low-light bulb can be seen. Remove the compression spring and take out the near-light bulb.
- Replace the spare low light bulb, insert it back into the lamp base, install the compression spring in place, and reinstall the rubber rear cover.
- Install the headlights back on the car, tighten the four mounting screws to secure the headlights, and reinstall the front bumper.

Replace the bulb on the rear headlamp

Replace the rear turn signal bulb

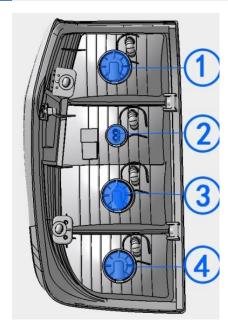


FIG.105 Rear headlight rear view (right headlight)

Use the right rear headlight as an example to describe the bulb replacement procedure (the left rear headlight bulb replacement procedure is the same)

Remove rear headlights

 Open the back door of the container to expose the two bolts on the side of the rear combination light, and remove the screws using a cross. Grab the light body and pull back the combined light.

Replace the turn signal bulb

 Turn the lamp holder ③ ⇒ counterclockwise and remove the turn signal bulb as shown in Figure 105. Replace the spare bulb, reinstall the lamp holder on the lamp body and select clockwise in place

Install rear headlights

 Install the lamp front to back on the side wall, and secure the lamp with screws.

Replace others bulb of rear headlamp

 Others rear headlight bulb changes are similar to the rear turn signal.

Oil and Fluid

Items	capacity	specification
Brake oil(L)	0.45	DOT4
Coolant fluid(L)	8. 4	−45°C LLC
Rear gear box(L)	3	GL-5 85W/90
Steering oil(L)	0.9	ATF 3
Refrigerant (A/C) (g)	500	R134a

Vehicle characteristic data

VIN (Vehicle Identification Number)

- Engraved on the right rear of the frame \Rightarrow Figure 107.
- Attach to the right front of the instrument panel at the front defrosting cover plate ⇒ Figure 108. ■

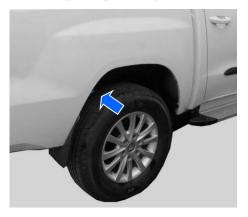


FIG.107 Right rear of the frame



FIG. 108 dashboard

Product label

- Riveted inside the engine room on the right side \Rightarrow Figure 109.



FIG. 109 Front compartment interior right side

Drive motor model and manufacture number

TZ220XS030D1SG Drive Motor (Example)

 Riveted to the junction box above the left side of the drive motor ⇒ Figure 110.

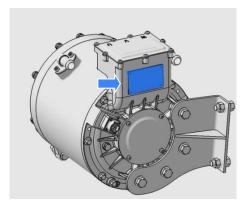


FIG. 110 TZ220XS030D1SG drive motor model and manufacture number

Automobile technical data

Vehicle parameters

Model	Single Cab Basic	Single Cab Upgrade	Single Cab long-range	Double Cab long-range
Vehicle size (mm)	5330*1870*1864	5330*1870*1864	5330*1870*1864	5330*1870*1864
Cargo compartment size (mm)	2297*1499*517	2297*1499*517	2297*1499*517	1497*1499*517
Wheelbase (mm)	3100	3100	3100	3100
Comprehensive mileage (km, NEDC)	246	246	302	302
Total mass (kg)	3000	3000	3000	3000
Curb weight (kg)	1875	1875	1900	1950
Number of doors (PCs.)	2	2	2	4
Number of seats (PCs.)	2	2	2	5
Minimum ground clearance (mm)	208	208	208	208
Minimum turning radius (m)	< 6.2	< 6.2	< 6.2	< 6.2
Driving mode	4×2Rear-wheel drive	4×2Rear-wheel drive	4×2Rear-wheel drive	4×2Rear-wheel drive

Model	Single Cab Basic	Single Cab Upgrade	Single Cab long-range	Double Cab long-range
Suspension system (front / rear)	Double cross arm coil spring front suspension/plate spring rear suspension			
Car body structure	Non-load-bearing	Non-load-bearing	Non-load-bearing	Non-load-bearing
steering system	Electrohydraulic Power Steering	Electrohydraulic Power Steering	Electrohydraulic Power Steering	Electrohydraulic Power Steering
Brake (front / rear)	Ventilated Disc front Brakes/Drum Rear Brake			

Power system

Model	Single Cab Basic	Single Cab Upgrade	Single Cab long-range	Double Cab long-range
Motor type	PMSM	PMSM	PMSM	PMSM
Max power (kw)	80	80	120	120
Max Torque (Nm)	270	270	350	350
Battery type	lithium iron phosphate	lithium iron phosphate	lithium iron phosphate	lithium iron phosphate
Electricity consumption (KWH)	50.386	50.386	59	59
Charging (slow charging 6.6kW)	•	•	•	•
Charging (fast charging)	•	•	•	•

Wheels and tires

Tire and spare tire specifications		245/70R17	
Rim specification		17×7J	
Wheel offset (mm)		+30	
Tire pressure (kPa)		250	
Wheel dynamic balance requirements		The inside and outside of the wheel are not greater than 10g	
	Front wheel camber Angle (°)	20´±30´	
Wheel alignment parameter	Kingpin back Angle (°)	2.67°±1 °	
	toe-in (mm)	-2~3	