Chapter 1 Introduction

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Introduction

Before reading this User's Manual, you should understand the following things.

Thanks for your purchase of Chery vehicle. In order to operate your vehicle properly and guarantee your rights and benefits, please spend some time to read this manual carefully.

This manual provides the important instructions and hints on the daily driving and regular maintenance and care, with the purpose for your familiarity with the operation of your vehicle. Only the more understanding to your vehicle can guarantee the safety and economy of the vehicle driving as well as enjoy the pleasure thereof.

Any improper operation may damage your vehicle as well as may be deprived of your maintenance right.

The periodical maintenance to your vehicle will help maintain the driving performance and used value of your vehicle. The Chery authorized service stations all over the country boasted numerous repair experts to provide you with service anytime.

The repair personnel of all authorized service stations, who passed the professional trainings, can properly repair your vehicle and vehicle equipment. The spare parts in Chery authorized service station are of Chery genuine spare parts.

Equipment Scope

This manual defined the maximum possible equipment scope installed in accordance with the Eastars series (**SQR7240&SQR7200**) model plan till the print date, namely for all the standard equipment and optional equipment in Eastars series model, some equipment may be supplied in the future or may be only available in certain markets. Therefore, some items in this manual may not apply to your vehicle.

This vehicle model is equipped with two types of engine (Mitsubishi and ACTECO), and users can read it according to different symbols.

Alarm Symbols within This Manual

During the vehicle operation, to reduce the damage to the vehicle and the vehicle equipment and to avoid the person injury, you can findthe answers in this manual, which is included in the explanation for the alarm symbols with triangle. Please read carefully and abide by the contents thereof.

The equipment marked with asterisk (*) is only used in lot size on certain model structures, which is supplied as optional equipment for some models or is only available in certain markets.

When this symbol is present on the vehicle, make sure to read the related chapters of this manual before any operations.

Environmental Protection

We must contribute our responsibility and liability in the working of environmental protection. It's the important step to achieve such objective by operating your vehicle properly and disposing the used cleaning articles and lubricating materials in accordance with the laws and regulations. This manual displayed the information on this aspect by means of tree symbol.

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New Vehicle Inspection

Before delivering the vehicle to you, the dealer of Chery Company has already performed the vehicle inspection in accordance with the regulations of Chery Automobile Co., Ltd.

The dealer of Chery Company should fill in the vehicle delivery date in the "Vehicle Delivery Inspection Certificate" column of this manual and seal with the stamp of dealing agency.

The dealer should verify the entire vehicle performance and introduce the operation knowledge of the vehicle against the "Chery Vehicle Sale & Delivery Card" that to be dually signed by the salesman and the user.

Run in of New Vehicle

Due to the manufacture and assembling deviations, the frication resistances between the moving components of the new vehicle at the initial stage of operation will be much greater than the ones in normal condition. The run in effects of the vehicle at the initial stage of operation will exert great influence on the use lifetime, working reliability and economy of the vehicle, therefore, the use of the new vehicle must abide by the run in regulations strictly.

Run in Regulation within 1,000km

- Full speed driving is absolutely prohibited;
- Generally, do not drive the vehicle at the speed above 100 km/h;
- Avoid driving at the top speed at whichever gear.

Run in Regulation from 1,000km to 1,500km

- Increase to the top speed gradually or drive at the allowable max engine speed.

Notice during Run in Period:

For the driving of vehicles with engine tachometer, the allowed short period top engine speed is 6,000r/min. During the manual gearshift, make sure to shift to the next high gear when the engine tachometer indicator reaches red indication area at the latest.

Avoid the running of engine at unnecessary high speed. The earliest shift to high gear will help save the fuel, reduce the working noise as well as diminish the environmental pollution.

The engine speed should not be excessive low during driving. Shift to the low gear when the engine runs toughly.

In cold state, you don't run the engine at top speed at neutral gear or any other drive gear.

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The new tires don’t have the best adhesion at the beginning of use; therefore, the tires also need run in. The vehicle speed should be relatively low during the first 100km driving and the driving should be extremely careful.

The new brake friction lining also needs run in, since the brake doesn't have ideal friction force during the first 200km driving. During this period the brake effects are a little poor, therefore the pressure on brake pedal may be reasonably increased. Such condition is also applicable each time the friction lining is replaced with a new one.

When the new vehicle traveled for 800km, the wheel nuts must be re-tightened to the specified torque. Please refer to the chapter “Capability and Specification Parameters” of this manual for correct torque values. Also, if the wheel has been replaced or the wheel nuts have been loosened, then the wheel nuts should be re-tightened in accordance with the specified torque after traveling for 800km.

■ “One-To-One” Service

In order to provide you with better service and vehicle use, the dealer of Chery Company will appoint one service consultant to serve you at the purchase of your vehicle. In case of any problems during your vehicle use, you may contact your service consultant, who will provide you with the best services.

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Vehicle Delivery Inspection Evidence:

This is to certify that this vehicle has completed the vehicle delivery inspection defined by Chery Automobile Co., Ltd. and its quality met with the technical specification of Chery Automobile Co., Ltd.

Vehicle Delivery Date: _____

Dealer Stamp:

Vehicle Owner Responsible Service Station Name

Name (Unit) _____

Address _____

Principal _____

Tel:_____Tel:_____

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Vehicle Delivery Date

Dealer Stamp

Model:

Body VIN No:

Engine Serial No.:

Transmission Serial No.:

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Chery Vehicle Sale & Delivery Sheet

Category	No.	Item	Whether inspected OK and clearly explained	
Entire Vehicle Performance	1	Engine	Yes □	No □
	2	Engine oil, brake liquid, steering liquid, coolant, battery liquid	Yes □	No □
	3	VIN number, engine serial number, nameplate and other identifications	Yes □	No □
	4	Entire vehicle locks and keys	Yes □	No □
	5	Entire vehicle lamps, including head lamp, turn lamp, fog lamp, combined lamp, compartment lamp, brake lamp, backup lamp, tail lamp, reading lamp, door lamp, and instrument lamp	Yes □	No □
	6	Windscreen glass and body paint	Yes □	No □
	7	Speedometer, engine tachometer, odometer	Yes □	No □
	8	Hub cap, spare tire in luggage compartment, vehicle attached tools and entire vehicle operation manual	Yes □	No □
	9	Safety belt, cigarette lighter, A/C switches and vent, glove box and sun visor	Yes □	No □
	10	Glass lifter, rear view mirror, wiper, washer, horn, radio (CD player) and antenna	Yes □	No □

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Operation Knowledge	1	93# gasoline fuel	Yes □	No □
	2	Normal operation during run in	Yes □	No □
	3	Operation of entire vehicle lamps	Yes □	No □
	4	Meaning of alarm indicators	Yes □	No □
	5	Correct maintenance period and mileage	Yes □	No □
	6	Vehicle maintenance items in winter and summer.	Yes □	No □
	7	Correct understanding of cooling system/coolant usage.	Yes □	No □
	8	Correct operation of A/C	Yes □	No □
	9	Notices for vehicle start	Yes □	No □
	10	Correct operation of audio equipment	Yes □	No □
Salesman Signature:		Date:	User Signature:	Date:

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“One-To-One” Counseling Service Card

User Name: Vehicle Purchase Date:
Sales Agency: Model:
Vehicle VIN Number:

Following items should be validated by the user:

I. Related items confirmation at vehicle delivery (“√" for Yes as “×” for No)

- ☐ Basic vehicle operation method has been introduced and the onsite delivery inspection is certified OK.
- ☐ Quality warranty policy has been introduced.
- ☐ Vehicle driving notice has been introduced.
- ☐ The importance of vehicle periodical maintenance and maintenance period/mileage has been introduced.
- ☐ The importance of vehicle maintenance/repair at Chery authorized service station has been noted.
- ☐ Maintenance Manual and User’s Manual has been handed over and the reading is reminded.
- ☐ The function and operation method of service hotline of Chery Company has been noted.

II. “One-To-One” counseling service mode introduction (“√” for Yes as “×” for No)

- ☐ Contact the service counsel instead of anyone else in case of any problems or needs.
- ☐ The service counsel appointed by the service station is the exclusive person to communicate and contact with the user.
- ☐ One user is only served by one service counsel: "One-To-One”
- ☐ User may choose other service consultant when dissatisfied with current service consultant.

III. Major Job introduction of service counsel (“√” for Yes as “×” for No)

- ☐ Repair maintenance service reception
- ☐ Complaint acceptance
- ☐ Periodical maintenance reminding visits
- ☐ Repair/Maintenance consultant explanation
- ☐ Periodical greeting visits
- ☐ Repair/maintenance reservation acceptance
- ☐ Service activity reminding visits
- ☐ Annual authentication reminding/acceptance
- ☐ Important festival greeting
- ☐ Other activities of user’s needs

IV. Establishment of “One-To-One” counseling service relationship.

Service Counsel Card

User Signature/Date: Service Counsel Signature/Date:

Form One Saved by Service stations

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“One-To-One” Counseling Service Card

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- ☐ Other activities of user’s needs

IV. Establishment of “One-To-One” counseling service relationship.

Service Counsel Card

User Signature/Date: Service Counsel Signature/Date:

Form Two Saved by Customers

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Common Vehicle Symbol Instruction

Symbol	Definition	Symbol	Definition	Symbol	Definition
	Front and rear side power window		Please refer to the User Manual		Parking lamp
	Rear window switch prohibited		Safety warning		Sound alarm
	Rear fog lamp		Power seat		Fuel
	Front fog lamp		Cigarette lighter		Brake pad alarm indicator
A/C	A/C system		Brake system	EPC	Electronic throttle Trouble indicator

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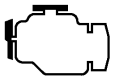
Instrument Panel

Symbol	Definition
	ABS
	Engine self-examination trouble light
	Engine coolant fan
	Head lamp switch
	Battery

Symbol	Definition
	Fasten the safety belt
	Danger flash alarm lamp
	Power + pole
	Air bag
	Rear window heating indicator

Symbol	Definition
	Interior lamp
	Horn
	No fire
	Anti-sideslip indicator lamp
	Rear view mirror heating

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Instrument Panel

Symbol	Definition	Symbol	Definition	Symbol	Definition
	Jack		Caution---fan		Windscreen defrosting
	High beam lamp		Acidic		Vehicle maintenance indicator
	Low beam lamp	SRS	Air bag identification		Wiper switch
	AT Trouble indicator lamp	WIN	Snowfield mode indicator lamp		

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Chapter 2 Instrument Panel

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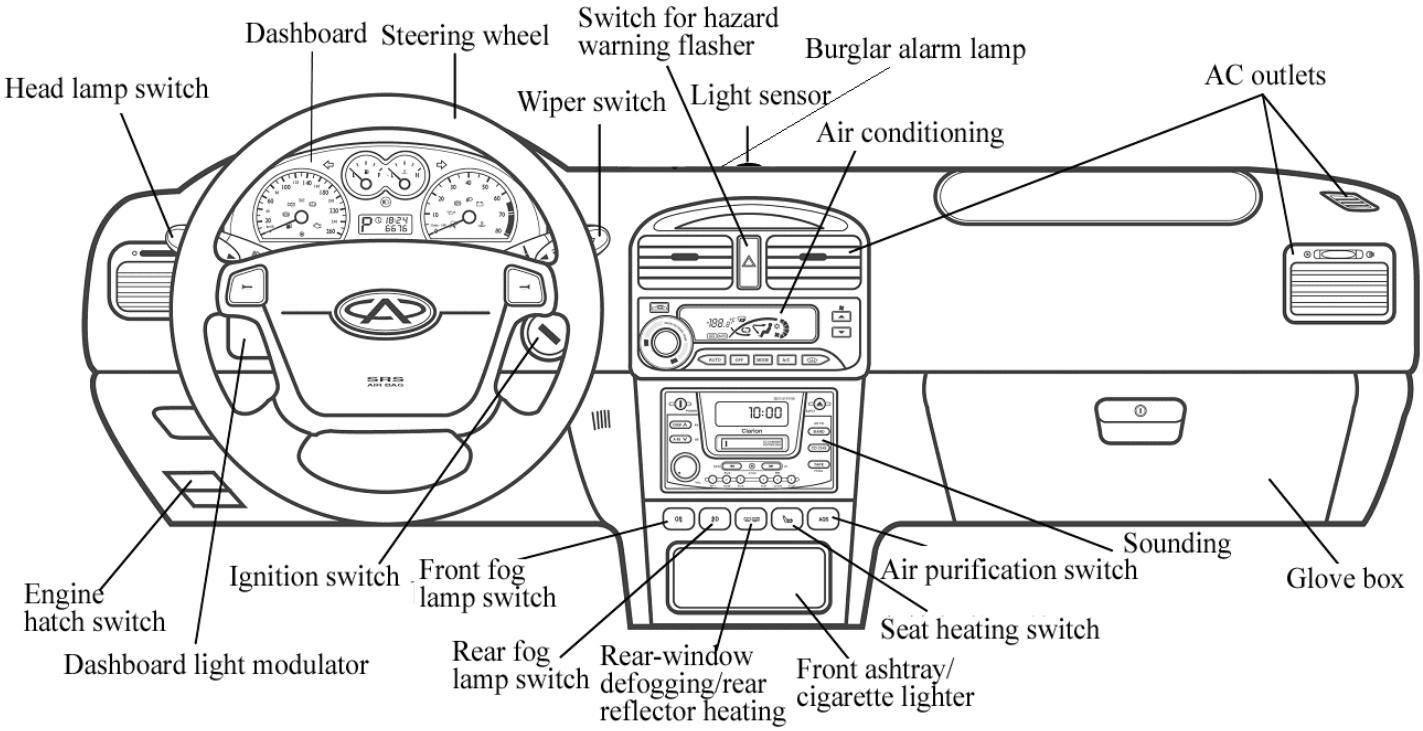
Instrument Panel (*



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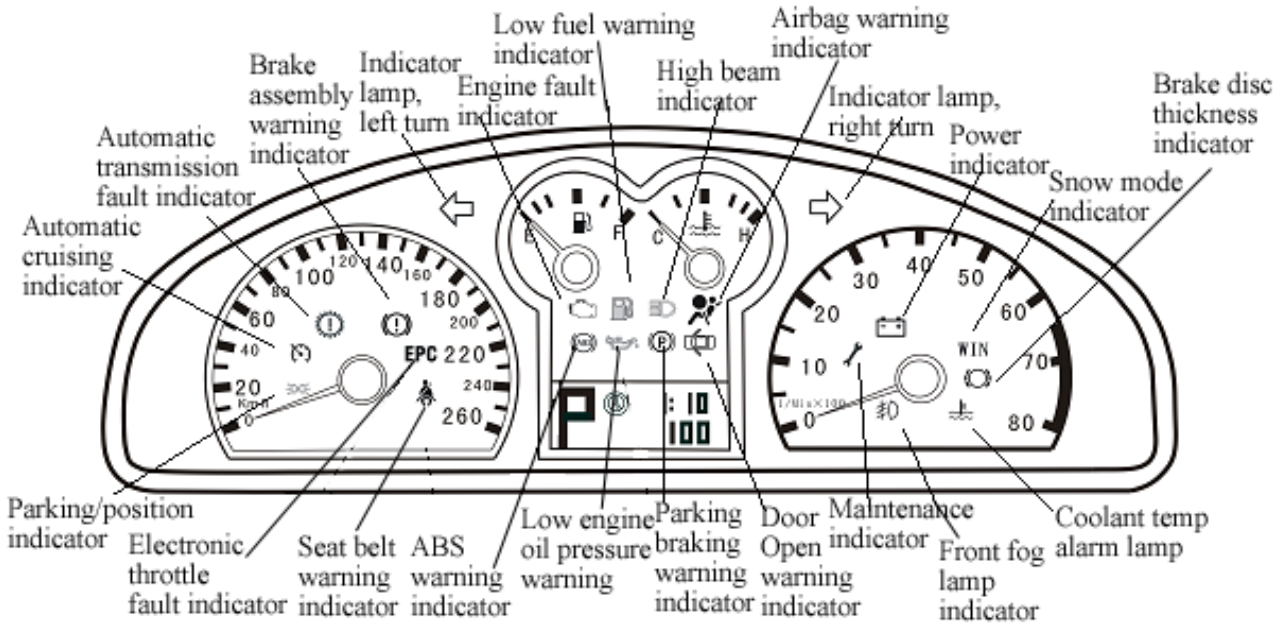
Instrument Panel

Dashboard (✻)



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Warning Device

Warning device indicates operating status of driver's car and whether the vehicle has some problems that possibly result in serious damages or injuries. If the car fails in some system function, the warning indicator concerned will light up or blink.

When ignition switch is turned on, the majority warning indicators should be ON for a short period, indicating system self-check underway. If some warning indicator remains OFF, please turn to Chery chartered service station for help. If some warning indicator keeps ON or blinking after the engine is started, please turn to Chery chartered service station immediately for examination and repairs of relevant systems.

Low fuel level warning indicator

When oil level of fuel tank is short of 10 liters, the indicator will be immediately ON for alarming, while fuel gauge pointer will point to the red alarm scale mark.

When the indicator is ON, please replenish fuel.

ABS warning indicator

When ignition switch is turned on, the indicator will be ON for a short period, and the ABS system will have a self-check to determine if the system functions well. If the indicator keeps ON or blinking after the ignition switch is turned on or during the journey, it suggests that the ABS system is being impaired by fault(s). However, the vehicle still functions in conventional braking (without ABS), unless otherwise the braking system alarm lamp also lights up. In such a case, turn to Chery chartered service station for examination & repairs as early as possible; but you should drive prudently, avoiding driving at a high speed. Refer to the Section "Braking" for important points for attention related to use of the ABS system.

Parking braking warning indicator

The indicator functions only when ignition switch is turned on.
The indicator will keep ON if the parking brake lever is pulled up.

Braking system warning indicator

When ignition switch is turned on and the indicator is ON, it is suggested that the brake fluid level is so low that more brake fluid should be filled to raise the level between MIN mark and MAX mark. Please ask Chery chartered service station to check the system.

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If the braking system warning indicator lights up during running, it is shown that one of the dual braking loop has a fault. In such a case, drive prudently. Turn to Chery chartered service station nearby immediately for examination & repair by professionals. In consideration of serious degrading of braking performance and prolonged braking distance, a much longer distance should be kept from the car in the front during running. Press the pedal hard in braking according to the situation.
If ABS warning indicator and braking system warning indicator keep ON simultaneously, stop your car immediately with safety assured. Please put the car at Chery chartered service station for inspection of the braking system.

Door Open warning indicator

When ignition switch is turned on, the indicator will be ON if any car door fails to be closed rightly.

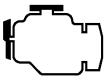
Parking/position indicator (green)

The indicator will be ON when the position indicator lights up.

Seat belt warning indicator

When ignition switch is turned on, the warning indicator will be ON to prompt driver to well fasten the safety belt if the driver doesn't have his safety belt fastened.

Engine fault indicator



When ignition switch is turned on, the warning indicator will be ON to show that electrical control system of engine is under self-check. If the system has no faults, the indicator shall be OFF after the engine is started.
If during running, the indicator is ON, it is shown that the electrical control system of engine has a fault. Please turn to Chery chartered service station for examination & repair as quickly as possible.

Electric throttle fault indicator (✻)

EPC

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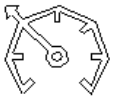
When ignition switch is turned on, the warning indicator is ON, and electrical control system of engine will make a self-check of electric throttle. If the system has no faults, the indicator shall be OFF when the self-check is over. If the indicator keeps ON, check the electric throttle necessarily.
If during running, the indicator is ON, it is shown that the electric throttle of engine has a fault. Please turn to Chery chartered service station for examination & repair as quickly as possible.

Automatic transmission fault indicator ( )

*

When automatic transmission circuit has a fault, automatic transmission fault indicator should be constantly ON if ignition switch is in the position of ON, no matter whether the vehicle is on the run. Stop driving it and contact Chery chartered service station immediately.

Automatic cruising indicator (*



When ignition switch is in the position of ON, press down the ON button of cruising controller, and the automatic cursing indicator in the dashboard blinks to suggest initiation of pre-cruising; if during running, automatic cruising system works, the indicator keeps constantly ON to show that the system is at work.

Snow mode indicator (*)

WIN n switch is in the position of ɔwn the snow mode button near the gear shift operating rod, and the snow mode indicator in the dashboard will be ON. Start the engine and push the operating rod at the position D (Drive), and the speed variator starts at 2nd gear to drive your car (it is suggested that the mode be selected when starting is done from such roads as cladded by snow with low attachment coefficient). Then, press down the snow mode button, and the snow mode indicator in the dashboard is OFF; the system exits from the snow mode.

High beam indicator

The indicator will be ON when high beam is used or front headlight blinks.

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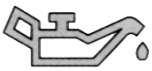
Steering signal indicator

There are indicator lamp, left turn and indicator lamp, right turn. When the indicator lamp, left turn or right turn is turned on, the steering signal indicator concerned will blink (relatively slow). When hazard warning flasher is set on, the indicator lamp, left turn, indicator lamp, right turn, and left –and-right turn signal indicator will blink simultaneously.
If a turn signal indicator blinks at a two times normal rate, it is shown that the turn light concerned has a fault.

Airbag warning indicator (✻)

When ignition switch is turned on, fault check indicator should be OFF after blinking six times. If the fault indicator lasts 6 seconds and is then OFF, it is shown that some fault code exists though it doesn't affect regular work of the airbag system.
If during running, the fault indicator is ON, it is shown that there is a fault. Send the car to Chery chartered service station for system check.

Low engine oil pressure warning indicator



When ignition switch is turned on, the indicator should blink immediately, and should be OFF after the engine is started.
If the indicator is not OFF after the engine is started or blinks during running, please stop the car immediately to quench the engine and check the engine oil level.
If the oil level is over low, replenish oil immediately.

Please turn to Chery chartered service station for check if engine oil is consumed too quickly.

Power indicator

When ignition switch is turned on, the indicator is ON. It should be OFF after the engine is started.
If the indicator is not OFF or is ON during running, stop the car immediately, shut off the engine, and check dynamo belt.
If the dynamo belt is normal, please keep on driving to Chery chartered service station nearest for examination & repair immediately. However, accumulator battery will keep continuous discharge during running. Thereby, all unnecessary electric appliances should be turned off, including air conditioning system.
If dynamo belt has been damaged, continuous driving should be suspended. Ask professionals for examination & repair.

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Coolant temp warning lamp

When ignition switch is turned on, the indicator will be OFF after being ON for seconds. If the indicator fails to be OFF after several seconds or lights up during running, stop the car immediately, shut off the engine, cool the engine, and check coolant level. Contact Chery chartered service station immediately.

Beware of scalding!
When the engine is hot, cooling system is at high temperature and under high pressure. Therefore, open radiator cap only when the engine is cooled. Keep off radiator fan!

Luggage compartment gate open warning lamp ( )

The indicator appears at the display screen above central air outlet of instrument panel. When ignition switch is turned on, the indicator will be ON if luggage compartment gate fails to be closed rightly.

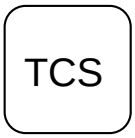
Windscreen washing indicator ( )

The indicator appears at the display screen above central air outlet of instrument panel. The indicator is ON when windshield wiper works.

Sideslip protection indicator ( )

The indicator appears at the display screen above central air outlet of instrument panel. The indicator is ON when sideslip protection function is enabled.

TCS indicator ( )



The indicator appears at the display screen above central air outlet of instrument panel. The indicator is ON when tractive force control system works.

Brake strip thickness warning lamp ( )

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The indicator is ON for alarming when the brake strip is heavily worn. Drive carefully and hurry to a service station for brake strip replacement.

Servicing & maintenance indicator (✻)

When mileage counter reads preset mileage accumulated (5000km), the warning indicator will be ON to prompt users to go to a service station for servicing and maintenance of the entire car.

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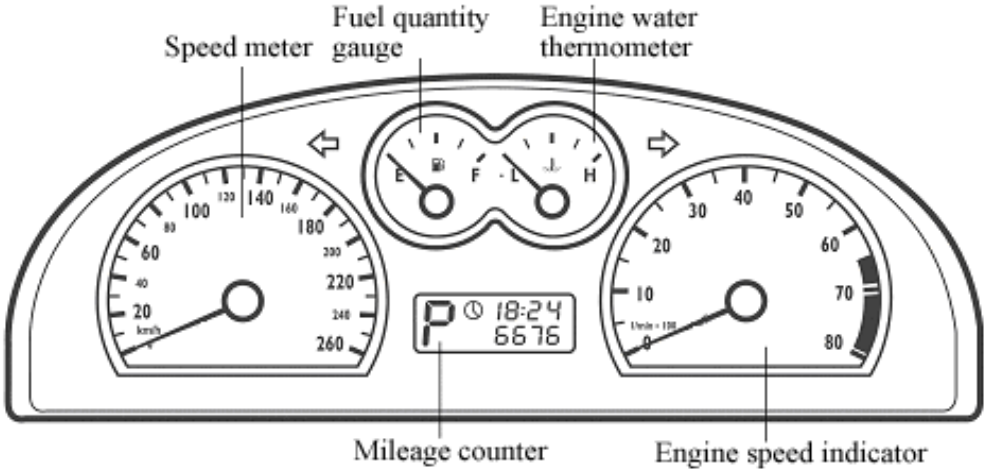
Instrument Panel

Instruments



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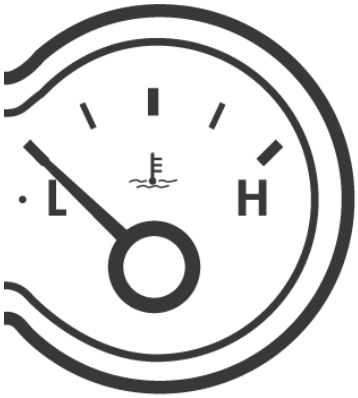
Engine coolant temp gauge



It displays engine coolant temperature.

Lower than L–Low temperature range

The engine works in this range for a short duration during warming-up process. In this range, avoid rotation of engine at high rate; workload of engine shouldn't be over high.
Please turn to Chery chartered service station for examination & repair, if the pointer remains in this range for long.

Between L and H–Normal temperature range

The pointer should remain in this range in normal running status.
The pointer may deviate from this range when external temperature is very high and the engine has a very workload. The car can still run normally, if coolant warning lamp is not ON. If coolant warning lamp is ON for alarming, the engine should be shut off, and the cooling system should be checked.

Higher than H–Overheated range

When the pointer falls within the red range, please have your car stopped in a safe way. Turn off ignition switch and pinpoint causes to the problem after the engine cools off.

Beware of scalding!
Don't open water box cover if the engine is still hot. The engine can't be started only when faults are well dealt with.

Note:

Installation of auxiliary front headlight in the front of the cold air inlet under front bumper will affect circulation of cooling blast, disadvantageous to cooling of engine.
The engine is easily overheated, if external temperature is very high and the engine works with a heavy load.
Front spoiler also directs cooling air. If it is damaged or even ruptures due to collision, the engine many be overheated. Please turn to Chery chartered service station for repair and restoration.

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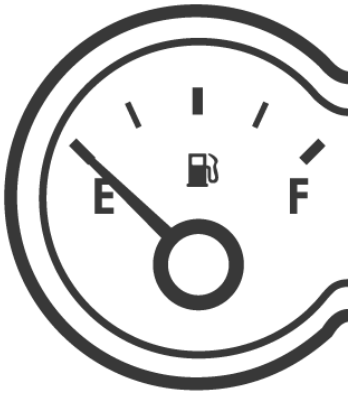
Fuel quantity gauge



Fuel tank capacity: 60L

When the pointer reaches the empty oil position (E, arrow position), there is still 10L fuel in the tank approximately.

The pointer will float to the full oil position (F) after a car fully fuelled runs for a distance.

The fuel that can be filled is lower than nominal volume when the car is refueled, due to residual oil.

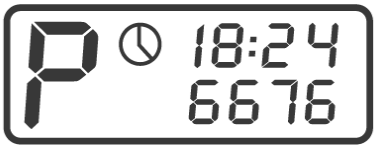
Please replenish fuel when low oil level warning indicator is ON. See “Low fuel level warning indicator”.

Speed meter

It indicates current running speed of the car.

Notice:
Speed meter is affected by tire size of the car. Please use Chery tire of original size. Otherwise, speed meter can’t display vehicle speed correctly.

Mileage counter and digital clock (✻)



Gear shifting is displayed on the left of mileage counter; overall mileage is displayed in low right part; and time or single-trip mileage is displayed in right upper part.
Time is displayed in two modes, namely, pointer type and digital type.
Switching and adjustment of time and single-trip mileage as follows:
Switch between time and single-trip mileage through operating tuning and reset button on speed meter.

- When mileage counter displays single-trip mileage, press down the tuning and reset button on speed meter for long to set to zero.
- When mileage counter displays time, press down the running and reset button on speed meter for long to

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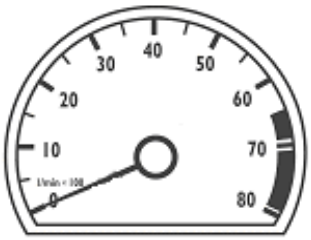
adjust clock.

Engine speed indicator



It displays engine speed (Rpm).

The red area on the right of the dial indicates maximum permissible revolution range at working temperature of engine for a short period after running-in.

However, it is advised that gear shift operating rod be pushed to the next higher gear position or move your foot away from accelerator pedal at the latest when the pointer reaches this area.

Notice:

To shift to a higher gear at an early time helps save fuel and reduce running noise.

Once the engine runs unsteady, please shift to a next lower gear immediately.

Avoid engine running at a high rotation speed during running-in period.

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Chapter 3 Audio

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Audio

Note: Read carefully the instructions for audio attached, if the vehicle is not configured with the audio system below.

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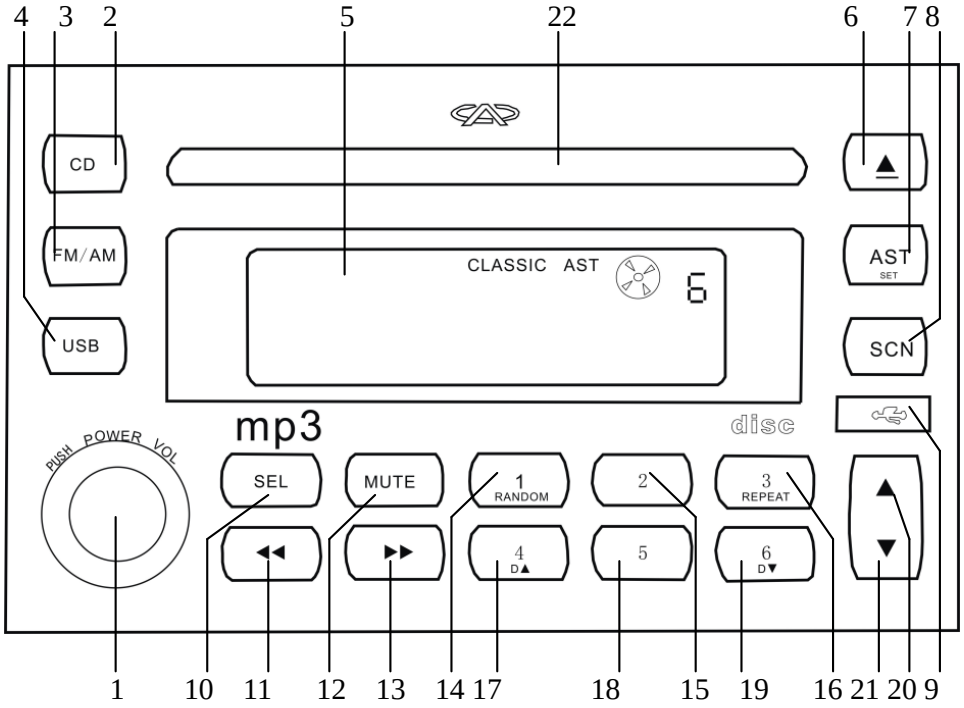
Audio Panel



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Panel description

1— Push for short for start-up; push for long for shutdown; clockwise rotation for increase in volume; anticlockwise rotation for decrease in volume.
2— Push the button to shift to playback of CD/MP3.
3— Push the button to shift to FM or AM.
4— Push the button to shift to playback of USB audio source.
5— LCD display.
6— Disc out.
7— AST: Auto Store.
SET: Enter into setup (push for more than 2 seconds).
8— Radio frequency/CD/MP3 audio track scanning.
9— USB interface.
10— Audio effect mode selection.
11— Low frequency scanning (radio)/fast reverse/normal playback (CD/MP3 playback).
12— Mute.
13— High frequency scanning (radio)/fast forward/normal playback (CD/MP3 playback).
14— Preset key 1: Push for long for radio.
RANDOM: Push for short for random playback of CD/MP3 disc.
15— Preset key 2: Push for long for radio.
16— Preset key 3: Push for long for radio.
REPEAT: Push for short for repeated playback of CD/MP3 disc.
17— Preset key 4: Push for long for radio.
D▲: Push for short to page up (USB/MP3 playback).
18— Preset key 5: push for long for radio.
19— Preset key 6: push for long for radio.
D▼: Push for short to page down (USB/MP3 playback).
20— Next/FF (USB/CD and MP3 playback).
21— Prev/FB (USB/CD and MP3 playback).
22—CD disc entrance.

Clock setup

● Push the SET button for 2 seconds at least to enter into or exit from the menu of SET UP.
● Push the ▲ button to turn to the “TIME” item.
● Push the SET button to select “12H”or “24H”.
● Push the ▲ button to pitch on the hour.
— Display example: “16:33” (24H) or “PM 04:33” (12H)

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— The hour option blinks.
● Push the SET key to adjust the hour.
● Push the ▲ button to select the minute.
— The minute option blinks.
● Push the SET button to adjust the minute.
— Push the ▼ button again to return to the hour option for adjustment.
— Clock runs from the time as regulated.
● Push the SET button for 2 seconds at least to leave the menu of SET UP.
— If the clock mode has been activated, time will be displayed after any key is operated for 10 seconds.

Audio tuning

ON/OFF
● Push the PWR key to turn and off the audio system.
Volume
● Rotate the ON/OFF button to adjust volume.
— Please ensure that you can still hear traffic signals (air siren, alarm whistle, etc.).
Audio/audio effect mode adjustment

● Push the SET button to enter into the audio effect mode to select the option you want to adjust.
● Rotate the ON/OFF button to adjust setup of the audio mode already chosen.

— BASS (low pitch) (-7, +7)
— TREBLE (high pitch) (-7, +7)
— BAL (L/R volume balance) (-7, +7)
— FRADER (F/A loudspeaker control) (-7, +7)
— LOUD (Off, Low, Middle and High) (OFF, LOW, MID, HI)
— Enter into the audio effect mode (BASS-TRE, JAZZ, VOCAL, POP, CLASSIC, and ROCK)

● The audio effect chosen will be displayed when the selection is over.

● The display will return to the former operating mode automatically after 5 seconds.
Notice: Only the audio modes, namely, “BAL”, “FRADER” and “LOUD” can be set up in an audio effect mode rather than “BASS-TRE”.

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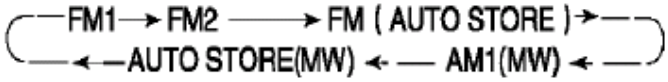
Radio

Waveband

● Push the FM/AM button to select the waveband you want:



Frequency scanning (SCN)

● The frequency scanning feature enables you to listen in each local station of current waveband for 10 seconds.

● Push the SCN button to enable/disable frequency scanning.

Automatic station search

● Push the ◀◀ button to tune to LF (low frequency) stations.

● Push the ▶▶ button to tune to HF (high frequency) stations.

● Push the ◀◀ or ▶▶ button to search for another station.

Station search sensitivity

● Switch between local and remote modes. See the “LO/DX” item of “Equipment”.

Manual tuning

● Switch to manual tuning (see the “TUN” option of “SET UP” and set it as “MAN”; the host will keep the mode of manual tuning until you change it back to “AUTO”).

● Push the ◀◀ button to tune into to LF stations.

● Push the ▶▶ button to tune into HF stations.

Auto Store (AST)

You can store 6 most desirable stations in the waveband of FM AST or 6 stations in the waveband of MW (AM) AST. When you use the AST feature, the stations originally stored in the FM AST or MW (AM) waveband will be covered.

● Push the AST button to enter into Auto Store; subsequently,

— The radio set makes a noise (“Hwa” sound) and then becomes mute, and the display blinks;

— Upon completion of storage, the display will stop blinking when you hear the same noise again.

— Stations are stored at the preset keys 1-6.

— The number of stations may be short of six sometimes.

Preset stations (1-6)

Store stations into preset keys manually.

Store 6 stations into each waveband with preset keys (1-6).

● Tune to each station you want.

● Push the preset key concerned for 2 seconds at least, and you can hear the noise (“Hwa” sound) – current station will be stored into the preset key.

Call out preset stations

● Push the preset keys (1-6) to call out the stations preset.

Switch to radio

● Push the FM/AM button to switch to the mode of radio to select the waveband desirable.

CD/MP3 playback

CD/MP3 playback

● Push the CD button to start playback of CD/MP3 disc.

● Screen display:

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— Audio effect mode (if chosen),
— Track No. and elapsed playback time of current CD/MP3.
Track scanning
The track scanning feature enables you to hear the first 10 seconds of each track.
● Push the SCN button to enter into track scanning.
● Push again the SCN button to exit from track scanning.
Previous/next track
● Push the ▲ or ▼ button to select the next/previous track.
For example: Push the ▲ button - T002>003; push the ▼ button - 003<T004.
● Played when pitched on.
FB/FF
● Push the ◀◀ or ▶▶ button for fast forward/backward.
● Another keystroke helps recover normal playback.
Random playback
● Push the RANDOM button to enter into the mode of random playback.
● Another keystroke helps exit from the mode of random playback.
Repeated playback
● Push the REPEAT button to enter into the mode of repeated current track play.
● Push the REPEAT button for long again to exit from the mode of repeated playback.
MP3 disc list selection
● Push the D▼ button to enter into the next list of MP3 disc.
● Push the D▲ button to enter into the previous list of MP3 disc.
Disc ejection ▲
● Push the ▲ button to eject the disc.
Disc maintenance
● Don't leave your fingerprint on disc, please.
● A disc should be placed into a disc box after disc ejection to avoid being damaged or protect against dust.
● Avoid heating or insolation of disc.

Playback in the USB mode

This audio panel keeps available a MINI USB interface. You can have your USB memory device connected with the patch cord furnished by manufacturer.

Document decoding description
— Support audio files: Only the files with the postfix *.mp3 (*MP3) are supported.
— Support the memory unit of 32Mbyte_4G with FLASH as medium.
— Support mobile HD (single disc space supported only).
— Support Layer 3.
— Support the partition storage modes of FAT16 and FAT32.
— Sampling rates supported: 8K, 16K, 32K, 11.025K, 22.025K, 44.1K, 12K, 24K, and 48 KHz
— Bit rates supported: 8K, 320Kbps and VBR (MP3 PRO)

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Device attachment

● Insert a USB disk; if the connection is normal, push the USB button to enter into the USB mode to display:

● If there is no USB disk or the USB device is pulled out, push the USB button, and the display will be as below:

Note: It takes several to dozens of seconds of latency for initialization of host to start MP3 due to early insertion of USB disk according to capacity of USB disk and size of storage files. Don't pull out the USB disk in a hurry during the period of time.

Playback

● The following will be displayed during normal playback

— Audio effect mode (if chosen already)

— Current playback track No. and elapsed playback time.

● When all tracks in the last album are completely played, the host will proceed automatically to the first MP3 file of the next album in order.

Previous/next track playback

● Push the ▲ or ▼ button to select next/previous track to display:

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Scanning playback

● Each track will be played for 10 seconds, as displayed below, when SCN is pushed during playback.

● Return to normal playback mode when the SCN button is pushed again.

Select previous/next album

● Push the <D▲> button for short to select the previous album, and push the <D ▼ > button for short to select the next album, as displayed below:

When a special album is pitched on, it is displayed below:

Notice:

1. Don't pull out a USB disk forcibly when files of the USB disk are played, because your files may be damaged in this way. You'd better insert or pull out a USB disk when the host is shut down.
2. Don't extend the USB connecting line provided by manufacturer with another extension cord, because the USB protocol has high demands for length, impedance, time delay, etc. of cables & wires. Otherwise, the machine may fail to read the USB disk.

Setup

You can modify initialization setup to your taste:

● Push the SET button for 2 seconds at least to enter into the menu of SETUP.

● Push the ▲ or ▼ button to select the options you desire to modify.

● Push the SET button for option modification.

● Push the SET button for 2 seconds at least to exit from the menu of SETUP.

The machine will exit from the mode of SETUP automatically approximately 1 minute after your last operation.

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Option (▲ or ▼)	Option [SET]	Usage
TIME	[OFF, 12H, 24H]	Select the clock mode required (see “Clock Setup”)
RADIO	[EUROPE, AMERECA, LATAM, ASIA]	Select a tuner in accordance with European, Latin, American or Asian standards.
FM	[06, 12, 18]	Identify number of preset stations in the mode of FM.
MW (AM)	[ON, OFF]	Select “OFF” to close MW (AM). Note: LW (ON, OFF) is displayed only when the EUROPE option is set up in the status of RADIO.
MW (AM)	[06, 12]	Identify number of preset stations in the mode of MW (AM).
TUN	[AUTO, MAN]	Select automatic tuning or manual tuning.
SRCH	[LO, DX]	Select “LO” when you would like to search for intense frequency only in automatic tuning.
CD	[-2, -1, 0, +1, +2]	CD play volume, relative to tuner
BEEP	[-2, -1, 0, +1, +2]	Select and confirm the volume of the “Hwa” sound.
LOG	[OFF, ON]	Select “ON” to assure that automobile engine still remains effective after one hour.

Notice: Set up initial volume by means of tuning the volume button in the mode of SETUP. For example, the volume is higher than reference volume when the audio is turned off, and the initial volume is taken as reference volume when the audio is restarted. For another instance, the volume is lower than reference volume when the audio is turned off, and the initial volume is still as reference volume when the audio is restarted.

Inspections prior to maintenance

When you feel that some functions of the automobile audio fail, please read carefully the operating instructions of the manual before sending it for repair and then make a detailed check against the table below. This will be of help to your handling of faults.

Phenomenon	Possible causes and solutions
General conditions	
The host idling, no display	Take out the host from the instrument and inspect the host and fuse and adapter connector of automobile.
The host working, without noise or with very little noise	Volume up; check the balance position of loudspeaker, back and forth, right and left; check antenna and adapter connector
The machine body slightly heating	The machine generates heat regularly.
Radio	
Bad effect of reception	Inspect whether the antenna is well connected (whether the cathode is earthed); inspect whether the aerial amplifier in the vehicle is damaged; employ manual tuning if signals for desirable stations are too weak.
USB playing	
Some audio files	Please determine whether the file is a MP3 file. The

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that can't be played	machine supports MP3 format only.
Unsteady volume in MP3 playback	Because MP3 songs have wide sources and are lacking in a unified standard, it is possible that the set volumes vary much when MP3 songs are compressed. In such a case, tune volume yourself.
Failure in displaying such information as singer/track/song name	This system doesn't support display of ID3 information.
Interruption of music in playback	Possibly arising from different compressed formats of songs
Unable to read songs in mobile HD	Please confirm that there is only one disk partition of HD. This system doesn't support multiple disk partitions. If no less than two disk partitions have bee divided, e.g., E disk and F disk, or more disk partitions, the machine will be unable to read MP3 songs from the HD. If you want to use it, please combine all disk partitions into a single disk partition on your computer.
Unable to read songs from a memory device	Please confirm on your computer that the storage partition mode of your memory is FAT16 OR FAT32. If it is not, set the mode as the one compliant with requirements.
Unable to read MP3 songs from all-in-one USB commutator	This system supports the commutator with a single USB port only.
Sound	Sound blasting/noise may be caused by the equipment

blasting/noise	or noise when original MP3 files are recorded. Please confirm with other (media) players whether it's the problem of the machine itself.
CD	
"NO CD" displayed and "Hwa" sound available	No CD disc placed
"CD ERROR" displayed and "Hwa" sound available	CD disc reversely placed, damaged or smirched; CD disc type erroneous
Volume distortion in playback	Disc damaged or smirched

● Please send the machine to a maintenance point for repair if faults can't be removed still.

Don't disassemble the machine randomly to make a repair by yourself.

1. It is normal for a disc not to be read or that the sound is interrupted when a car runs on bumpy roads.
2. Please use original disc. Normal quality warranty doesn't cover the faults incurred due to use of pirated software.

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Chapter 4 Air Conditioning System

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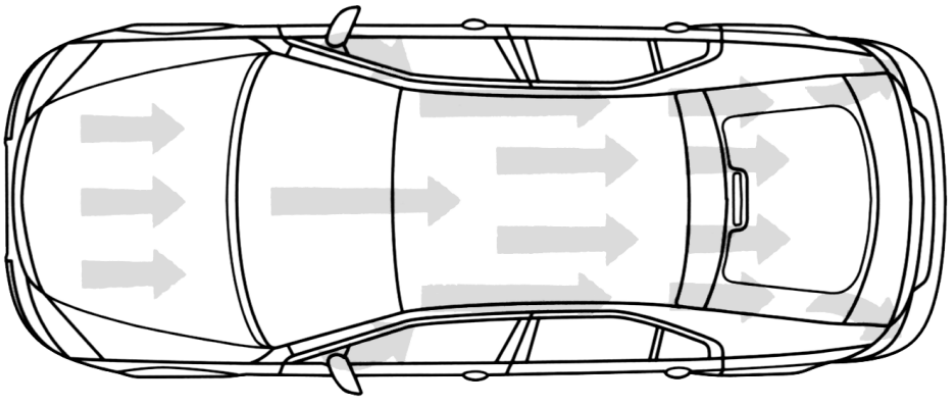
Air conditioning system



Air renewal

External air enters into the vehicle through air inlet before windshield. Please keep the air inlet beneath windshield glass clear of snow deposit, tree leaf, etc. to ensure regular and effective heating and ventilation.

Foul air within the vehicle is dissipated from the exhaust port in side lining of baggage compartment.

Notice:

Don't obstruct exhaust ports when baggage is loaded.

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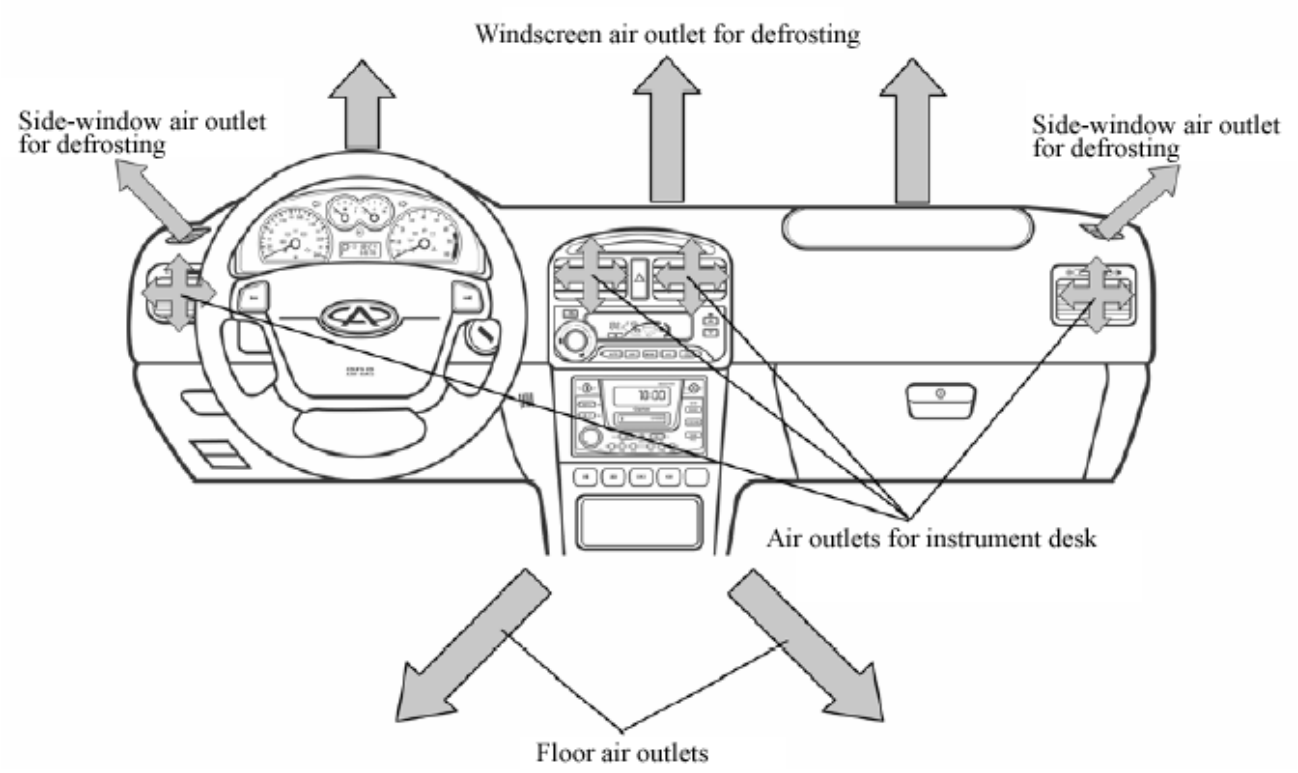
Air Conditioning System



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Air cleaner

Air cleaner ensures that toxic particles (such as pollen, industrial dustfall and road dust) contained in air are removed by filtration before the air flows into the vehicle.

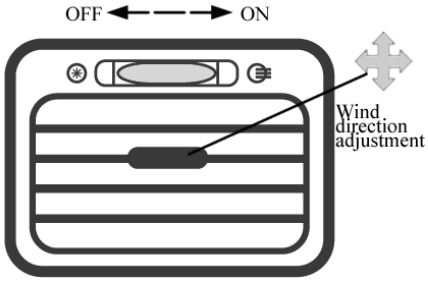
It is suggested that fans be closed down to avoid accumulation of wax on air cleaner when the car passes through an automatic car washer.

Air cleaner should be replaced according to driving environment and customer habits.

Air flow distribution

Air flows and directions may be adjusted through buttons on air conditioning control panel and control devices of side air outlet and central air outlet.

Central air outlet and side air outlet



To be adjusted as required

Maximum air flow

Maximum air flow can flow to pedestal area or windshield glass when central and side air outlets are shut off.

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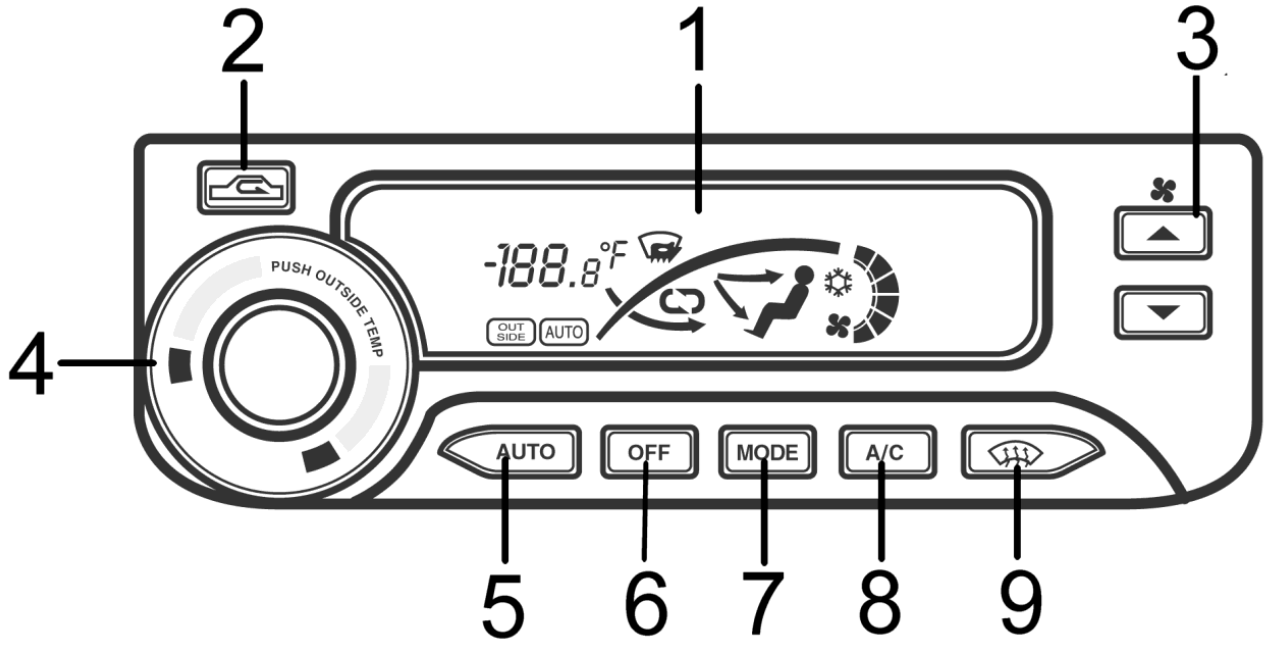
Electric controlled automatic air conditioning system (*)



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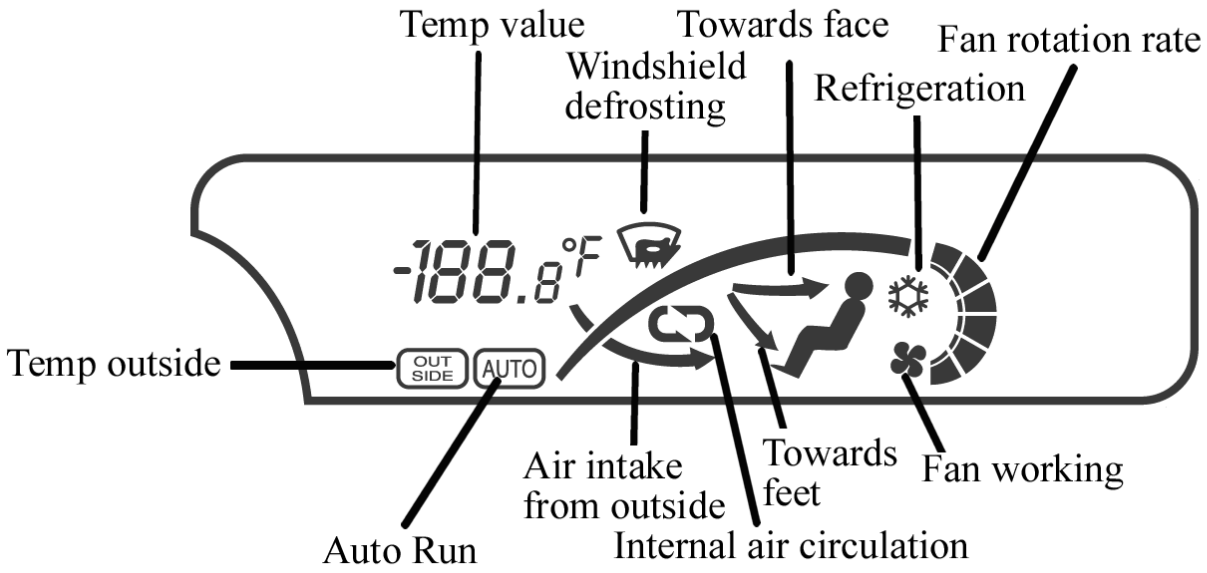
1. Air conditioning display panel



Note: Some symbols for air conditioning system are displayed in the figure above. When air conditioning system runs, some symbols may not appear. Relevant symbols only appear in relevant operating modes. Thereby, they represent current operating modes of air conditioning system. We'll make an introduction below.

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2. Internal air circulation button

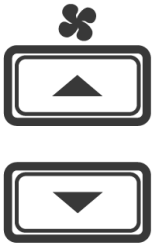
Push down or up internal air circulation button to switch between external air intake and internal air circulation. In the mode of internal air circulation, the internal circulation symbol will be displayed.

Fan voltage is reduced by 1V (4.9~10V) when internal air circulation is switched to; when external air intake is switched to, fan voltage is restored.

In high temperature weather, turn on air conditioning and push down internal air circulation button to rapidly cool the air inside the vehicle. Internal air circulation mode may be also used to keep off odor outside.

When windshield defrosting is selected, the button will not function; and thus, internal air circulation mode can be set.

3. Fan rotation speed control button



Push down the triangle-up button to improve rotation speed of air blower to increase wind rate; push down the triangle-down button to decrease rotation speed of air blower to reduce wind rate.

Fan rotation speed can be divided into six levels for manual adjustment, gradually increased from minimum wind rate (Grade 1) to maximum wind rate (Grade 6).

Air conditioning control system will adjust fan rotation speed automatically when the mode of AUTO is chosen to keep temperature at the set value. In the mode of AUTO, fan rotation speed may be adjusted manually. When wind rate is reduced to Grade 1, please exit from the mode of AUTO; when wind rate is increased to Grade 6, please exit from the mode of AUTO, too.

4. Temp control knob/external temp display button

This button is used to adjust air temperature, which may be regulated in a step-by-step way (with each step as 0.5℃).

- Right-handed rotation: temperature rise, 0.5℃ increased every cascade rotated.

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- Left-handed rotation: Temperature fall, 0.5℃ reduced every cascade rotated

The temperature value set will be displayed on the AC (air conditioning) display panel.

The standard value suggested is 22℃. Temperature may be set between 18℃ and 32℃ with switch. LO will be indicated for temperature lower than 18℃ and HI for temperature higher than 32℃.

Left-handed rotation may increase cooling capacity when the cooling system works.

In the position of "LO" (lower than 18℃), the system will be set to the status of low temperature; in the position of "HI" (higher than 32℃), the system will be set to the status of high temperature instead of the temperature when air conditioning is ready.

When the knob is pushed down, the set temperature value as displayed will be replaced with external temperature value for a short duration, while the external temperature symbol OUT SIDE will be also displayed. The temperature value set will be re-displayed after three seconds and meanwhile, the external temperature symbol OUT SIDE will disappear. During the period when external temperature is displayed, rotation of the knob won't alter the temperature value set.

5. AUTO mode switch

When the button is pushed down, the control system will adjust automatically position of air mixture door, air conditioning status, rotation speed of fan and external air intake or internal air circulation to regulate temperature inside to the value set, according to the temperature set, external temperature signal, and variance of internal temperature signal.

The automatic running symbol AUTO will be displayed.

In the mode of AUTO, the initial status of air blowing is defaulted as the mode toward face and feet. Air blowing mode may be changed via the MODE button. The AUTO and MODE buttons are mutually independent.

The defrosting function is correlated with windshield wiper signals. That is, air conditioning is automatically set in the mode of defrosting (with wind rate, etc. unaltered) when the windshield wiper is initiated.

Operating mode of compressor is determined by the temperature set. If the temperature set is higher than 28℃, the compressor won't pull in.

The system will switch to internal circulation automatically, when any of the three conditions below are met:

- Air conditioning system starts running (i.e., compressor is initially started up).
- The driving speed 10Km/h lasts over 10s.
- The vehicle is in a state of rest.

The system will runs according to the operating mode or interface set by user last time.

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6. Air conditioning OFF switch

Turn off the air conditioning system.

The system will enter into the state of OFF when the button is pushed to close down the display. Meanwhile, actuating mechanisms will be shut down fully.

Push the AUTO button or A/C button or the defrosting button to automatically start the system, when the system is in the state of OFF. The system will enable the operating mode or interface set by user last time.

7. Air blowing mode switch

Change the air blowing mode once when you push the button each time. Repeatedly push the button to switch between the three modes below to display the following three symbols:

- Towards feet; air output fully to foot space.

- Towards face; air output fully to the area at the height of face.

- Towards feet and face; air output partially to foot space and partially to face area.

8. AC cooling switch

Push down the “A/C” button to start up the cooling system; meanwhile, the “Snow” symbol ❄ will be displayed.

The cooling system works only when the following conditions are met:

- Engine in running order.
- Ambient temperature higher than -1℃.
- Air blast switch at gear 1-4.

With the cooling system working, not only the temperature inside could be reduced, but also humidity of the air flowing inside could be reduced. Thus, customers inside will feel more comfortable, and vehicle windows avoid fogging.

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To achieve the best cooling effect, all vehicle windows should be closed when the cooling system works.

9. Windshield glass defrosting/defogging switch

This switch is used for windshield defrosting. Push down the button to change the air intake mode into external air intake. The cooling system will be also started up. All air output will flow to windshield glass and side defrosting/defogging outlets.

The windshield defrosting symbol will be displayed.

Cost-effective operation of air conditioning system

Fuel consumption will be increased because air conditioning compressor consumes engine power. To save energy and reduce fuel consumption, turn off the air conditioning system when air conditioning is not necessary. It is suggested that vehicle windows or doors be opened to dissipate hot air when the car parked has its interior space highly heated due to insolate. This helps improve cooling effect and reduce fuel consumption.

Don’t open the air conditioning system during running when windows keep open.

General description

The air conditioning system absorbs moisture of air, which will be condensed into water on an evaporator. Therefore, a little amount of water may appear beneath the vehicle when your car stays temporarily.

Heating effect depends on coolant temperature of engine. Thereby, the heating system functions effectively only when the engine is in warm-up mode.

It is suggested that air blower be placed at low-speed gears during running to avoid glass misting.

It is suggested that human body be protected from direct cooling air.

Brief operating instructions for automatic air conditioning system in hot days

1. Push “AUTO”.
2. Push the “Internal circulation button” to select internal air circulation mode.
3. Set the temperature to “LO”.
4. Re-set temperature to personal comfort level after temperature is reduced.

Tip:

Please keep internal air circulation when automatic air conditioning system is used in hot days to achieve best cooling effect and protect against external odor.

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Failure recovery

Cooling system idling

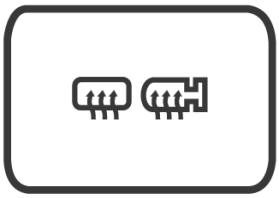
- Ambient temperature may be lower than -1℃.
- A fuse may blow.

Please check the fuse. Replace it when necessary. If a failure is not caused by fuse, turn off the AC cooling system (with the D "AC" button). Turn to professionals for inspection.

Cooling efficiency weakened

Once cooling efficiency is found abated and wind rate reduced, please turn off the system and turn to professionals for inspection.

Rear window defrosting/exterior rear-view mirror heating



Rear window defrosting control switch is set at central console of the instrument panel.

Light ice and mirage on rear window could be removed, when the defrosting and heating button is pushed down.

Rear-window defrosting & heating device works only when the igniting circuit is put through. Push down the electrical heating button to enable/disable the heating system. When the heating system is put through, the indicator lamp will light up to display heating.

Notice:

Once rear window is transparent, cut off the heating system to reduce current consumption and save fuel.

Rear window defrosting will be automatically over when defrosting lasts 10 minutes or ignition switch shifts to the position of OFF. When defrosting lasts less than 10 minutes, please push the defrosting button again if you want to stop rear window defrosting in a manual way.

To initiate rear window defrosting will also enable exterior rear-view mirror heating.

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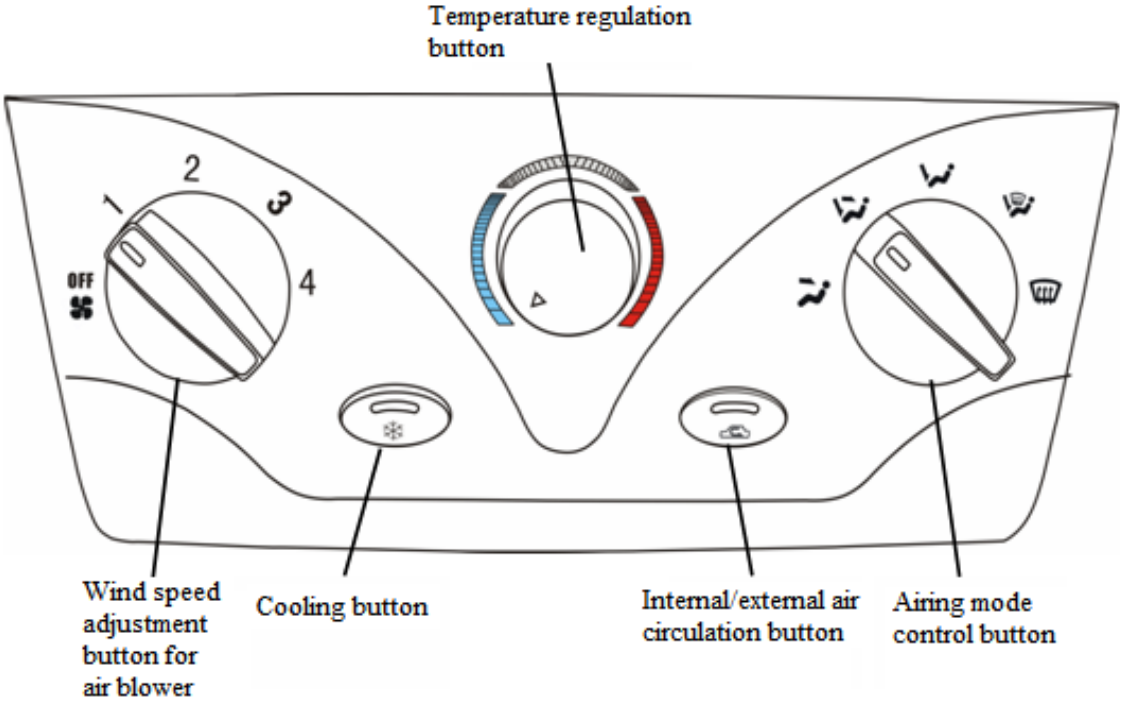
Manual air conditioning system (✻)

Air conditioning control panel



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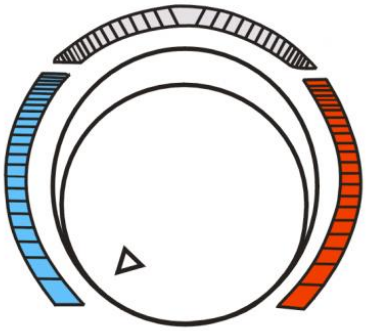
Temperature regulation knob

Temperature regulation button is used to control temperature of the air blown out of ventilator scoops. The knob is rotated to select appropriate temperature.



Blue range: Cooling

Red range: Heating

Cooling button

When ambient temperature is higher than 4℃, engine is running, wind speed adjustment button for air blower is set at any of the 4 gears, and air conditioning system has a normal pressure, the indicator lamp will be ON to start up the air conditioning compressor for air conditioning and cooling after the button is pushed down. Push the cooling button again to disenable air conditioning.

When the cooling system works, not only the temperature inside can be reduced, but also temperature of the air from outside can be reduced, to make passengers more comfortable and avoid fogging of vehicle windows.

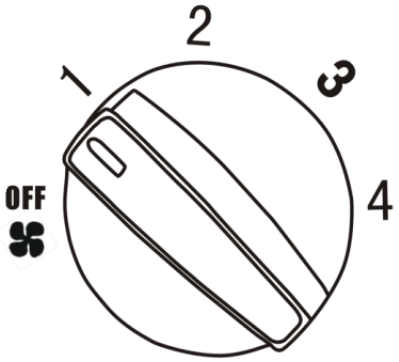
All vehicle windows should be closed to achieve best cooling effect, when the cooling system works.

Notice: Air conditioning enabled will make engine over-heated when the car climbs up a long slope or comes across traffic congestion. Observe water thermometer, and turn off the air conditioning system if the engine is over-heated.

Air conditioning compressor will consume engine power when air conditioning is used for cooling; thus, fuel consumption will be increased.

Wind speed adjustment knob for air blower

Wind speed adjustment knob for air blower is used to control wind speed of air blower (4 gears in total). Wind speed is adjusted with air blower. To improve comfort, air blower may be started up during running.



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Internal/external air circulation button

To switch to external fresh air mode or internal air circulation mode is achieved through this button.

External circulation

External air into the car is used for normal ventilation, heating and cooling.

Internal circulation

Internal air is circulated inside the car. Indoor circulation mode is used in dusty environment or in the case of waiting for pass permission (indicated by green light) in urban area, and for rapid cooling or heating of indoor air.

Notice: Internal circulation mode can be used only for a short duration, because continual use of internal circulation mode produces stuffiness inside and hazing of vehicle windows.

Airing mode control button

This button is used to choose direction of air flow. There are five options inclusive of “Towards head”, “Towards heard and feet”, “Towards feet”, “Towards feet and for defrosting” as well as “Defrosting”.

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Lamp Control

Refer to the airing mode introduction contained in the part “automatic air conditioning” for details of each exact mode of air flow direction.

Air conditioning system maintenance instructions

If air conditioning system is not used for a month or a longer period, curb idling of engine with air conditioning enabled is necessary even in winter. The air conditioning system should be started up once every month at least and for several minutes in order to keep approximate lubrication and tightness of air conditioning compressor to extend service life of the system.

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Chapter 5 Lamp Control

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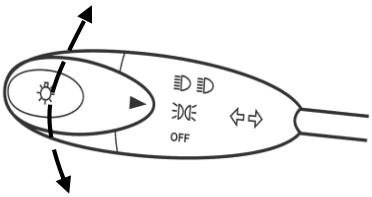
Lamp Control

Please abide by related traffic regulations when using the following illuminating equipment.

Headlamp Switch



OFF – Turn off the external lamp.

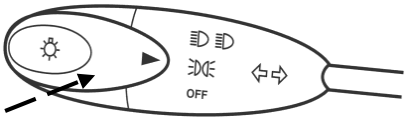
Gear 1 will light the parking lamp/position lamp, the component illuminating lamp such as instrument and switch, and license plate lamp.

Gear 2 the front headlamp will light (low beam or high beam).

Note:

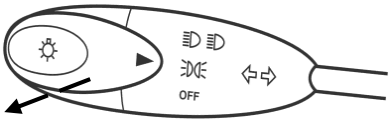
Only when the ignition switch is turned on, the headlamp can work. When the engine is started or the ignition switch is turned off, the headlamp will be off automatically.

Headlamp High/Low Beam Selector Switch



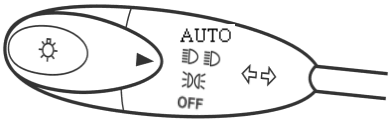
Under the condition that the lamp is turned on, pull the handle towards the IP direction to shift into the high beam lamp after passing the force application point. When the headlamp high beam is turned on, the high beam indicator in the instrument will light. Pull the handle towards the steering wheel direction to return to the original position so as to resume the low beam lamp.

Flash of Front Headlamp



When you need the flash of headlamp during driving, you only pull the handle towards the steering wheel direction to the force application point and then release the handle. Repeat such action to flash the headlamp consecutively.

The headlamp will light automatically. (*)



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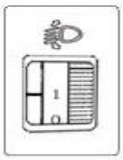
The headlamp switch with auto turn-on system has the AUTO position; when the ignition key is turned to the ON position, the headlamp switch will be on the AUTO position, and when the ambient light is weak, the headlamp will light automatically (if the ambient light is relatively strong, the headlamp won't light).

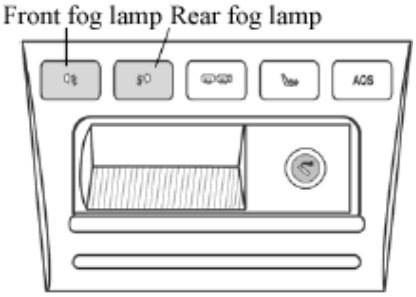
Adjustment Switch of Electrical Regulated Headlamp (✻)



The adjustment switch of electrical regulated headlamp is located on the left lower corner of the dashboard.

Such switch has four gears of 0, 1, 2, and 3. The adjustment of four gears can adjust the light type of the electrical regulated headlamp.

Front/Rear Fog Light Switch



The front fog light and the rear fog light are located on the central console of the dashboard, under the audio control panel.

When the headlamp switch is at gear 1position, press the front fog light switch to turn on the front fog light, but it can't turn on the rear fog light directly.

When the headlamp switch is on the gear 2 position, press the front and rear fog lamp switch, the front and rear lamps can turn on at the same time; also the rear fog lamp can turn on only by pressing the rear fog lamp switch.

Use fog lamps correctly according to the traffic rules.

When the front fog light is turned on, the front fog lamp switch inner indicator will turn on.

The front fog light should only be used under the conditions that severely affected the visibility, such as fog, snow or rain.

When the rear fog light is turned on, the rear fog lamp switch inner indicator will turn on.

Since the rear fog light is very dazzling, it's allowed to be used only under the conditions with poor visibility.

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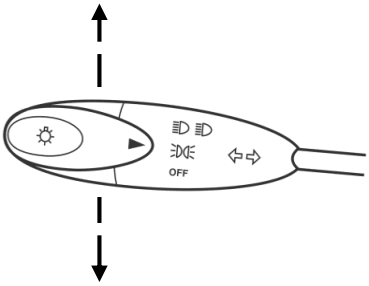
Turn Signal Lamp



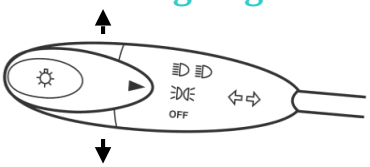
The turn signal lamp will operate only when the ignition switch is turned on.

Left turn signal lamp – pull the handle downwards.

Right turn signal lamp – pull the handle upwards.

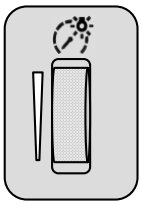
When the turn signal lamp is turned on, the turn signal indicator will also flash.

Lane change signal lamp



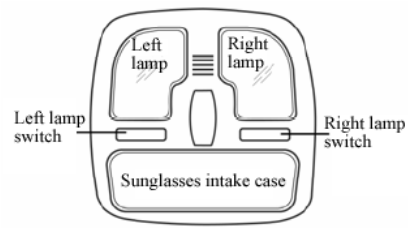
Pull the handle upwards and downwards to the force application point and the relevant turn lamp will flash, and meanwhile the turn signal lamp in the dashboard will also flash.

Dashboard illumination dimmer



During the working period of the external lamp, use the illumination dimmer to adjust the instrument illumination.

Interior Front Ceiling Lamp



Press the left switch: The left illuminating lamp will keep illuminating. Press it again to turn off the lamp.

Press the right switch: The right illuminating lamp will keep illuminating. Press it again to turn off the lamp.

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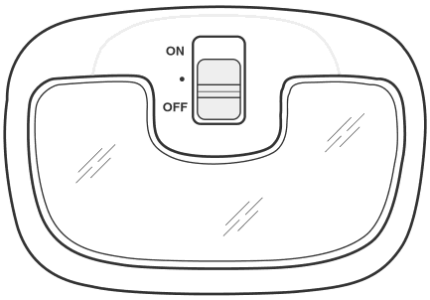
Interior Rear Ceiling Lamp



The OFF position: The illuminating lamp turns off.

The ON position: The illuminating lamp will keep illuminating.

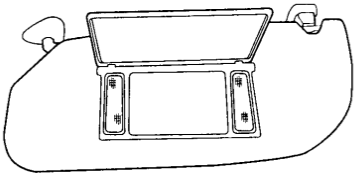
The middle position (door control position): The interior lamp will light when the door is opened; the interior lamp will keep illuminating for 8s when the door is closed so as to seat passengers safely.

Luggage Boot Illuminating Lamp

Such lamp will light when the luggage boot cover is opened (This lamp is not subject to the control of ignition switch). Please close the luggage boot cover securely after parking.

Also set the lamp in the OFF status, that is, the lamp won't light when the boot cover is opened. Therefore, press the trigger switch to the locking position. The lamp can light by releasing the lamp.

Sun visor vanity mirror



The vanity mirror lamp will light once the vanity mirror cover is opened.

Front Sill Lamp and Key Cylinder Lamp

When the front door is opened, the key cylinder lamp and the front sill lamp will both light.

The front sill lamp is located on the inner trimmer panel between the two front doors. If the door is opened, whatever the ignition switch is on, the sill lamp will light in the sill area and also guide the driver. When the door is closed the sill lamp will be off.

The key cylinder lamp is located around the ignition key cylinder. When each front door is opened, the lamp will light so as to assist the driver to insert the ignition key, or such lamp will turn off when the key is turned to the "ON" position.

Danger Flash Alarm Lamp Switch

This alarm lamp should be used only under emergent conditions so as to alarm the following vehicles that this vehicle has trouble or danger. Press this switch to turn on/turn off this system. The danger flash lamp is operational when the ignition switch is turned off.

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The indicator on the switch will flash after the alarm lamp is turned on. Meanwhile, if the ignition is turned on the turn indicator lamps of the combined instrument will also flash.

Note: When the vehicle runs in the rain, the vehicle glass becomes cold dramatically and the temperature around the glass also becomes lower, so the moisture in the air will agglomerate and be attached to the insides of the glass to form dew. The theory of the dew inside the headlamp cover is the same as it. That is, the moisture in the air increases as the temperature becomes high. If the temperature becomes low, the moisture will agglomerate and form dew commonly called fog phenomenon.

When the lamp has moisture and the high or low beam lamps are turned on within 30 minutes, the moisture will gradually start to disappear; after one hour, the moisture naturally disappears, that is normal phenomenon, otherwise, it maybe has water insides. If so, please contact Chery authorized service station for check and service.

Check the headlamp installment carefully when replacing bulbs to make sure the correct installment and good seal! Otherwise the headlamp maybe has water or dust insides!

It is strictly prohibited flushing the engine compartment via a water-cannon, especially lamps. As the pressure of the water-cannon is too high, it may cause lamps parts to loosen or drop, vent hole and harness connectors to become damp, and the lamps have water or moisture insides, which can't dissipate for a long time. At last, the dew forms, very serious.

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Chapter 6 Operation and Adjustment of Interior Device

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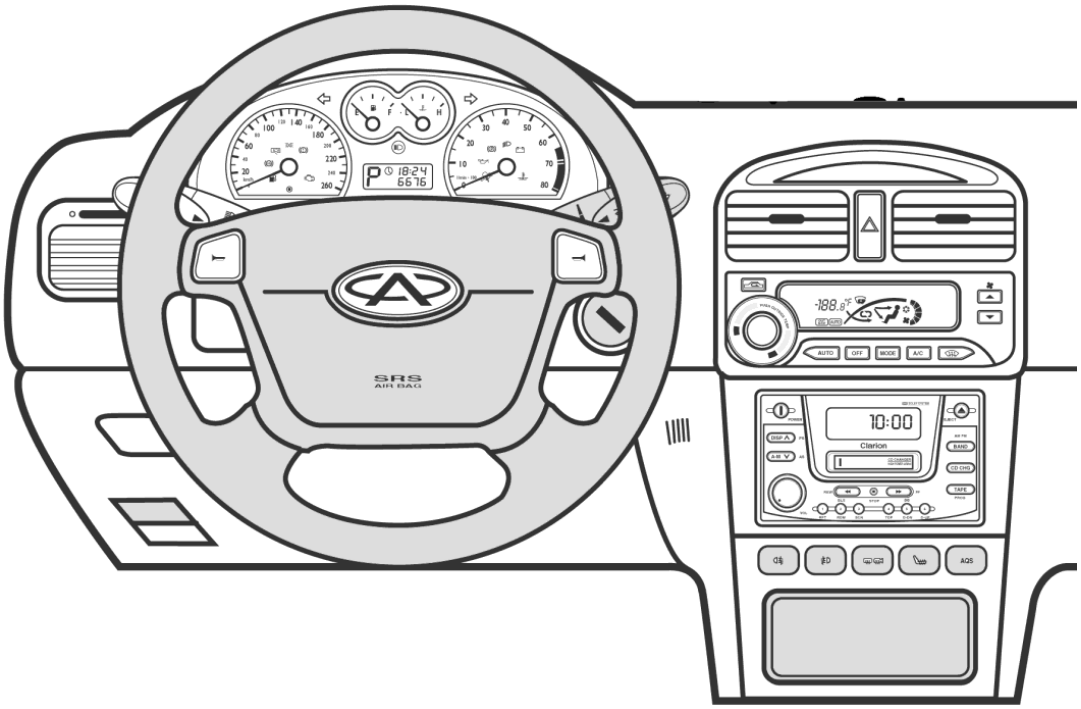
Operation and Adjustment of Interior Devices

Interior Device Operation and Adjustment



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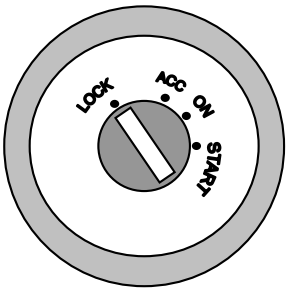
Steering lock/ignition switch



Combined-type steering lock/ignition switch has the positions of key below:

LOCK–Ignition switch is turned off and the steering wheel is locked.

To lock the steering wheel up, please rotate the steering wheel when the key is pulled out until you hear the gripping sound of the steering wheel.

ACC–Steering system unlocked; electric fittings are put through and the small electric appliances as audio and indoor lamp are operable, but ignition switch and primary electric loop should be all switched off.

If it is impossible or very difficult for the key to turn from the **LOCK** position to this spot, please rotate the steering wheel slightly to unloosen the lockup mechanism of the steering wheel.

The key to the ignition switch shouldn't be placed here for long to avoid electric power exhaustion of accumulator cells.

ON–The ignition circuit is put through and all electric loops can start working. Warning indicator and indicator lamp light up. This is the normal position of key in driving and the position necessarily selected when the vehicle is towed and trailed.

START–Starting motor is put through to start engine up.

Front headlamp and electrical equipment of high power consumption are all switched off when the locking hole is at this position.

The device against redundant startup is installed in ignition switch. Once engine runs, the device will protect starter from false startup to avoid damages to the starter and engine flywheels.

In cause of unsuccessful startup, the ignition key must be rotated to the position of **LOCK** prior to restarting and then rotated to this position. After startup, loosen your hand, and the key will bounce back to the position of **ON**.

Loosen your key immediately once the engine is started up.

The steering lock will be initiated to lock up the steering wheel when the key is pulled out from ignition switch.

Don't rotate the key to the position of LOCK when the vehicle moves.

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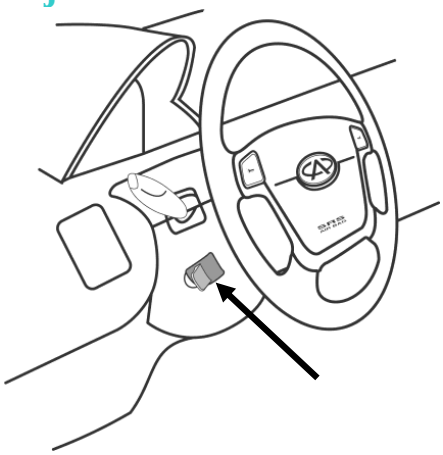
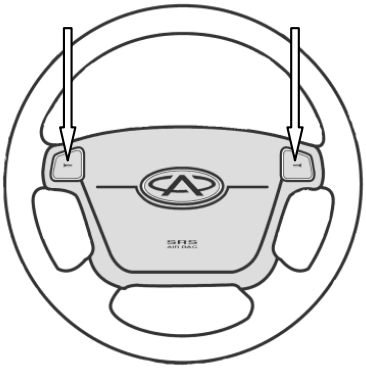
Steering wheel adjustment



In order to drive your car in a safe and comfortable way, overhang and height of the steering wheel may be adjusted sometimes. In this case, the arresting lever on the shield of steering post may be raised towards the steering wheel. Then, the steering wheel can slide up and down and be adjusted to any position. When the steering wheel is adjusted into place, loosen the arresting lever and lock up the position of the steering wheel.

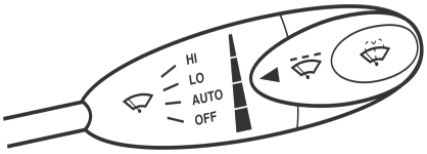
Don't adjust the steering wheel in running.

Loudspeaker



Loudspeaker buttons are located at both sides of the steering wheel, as indicated by arrows above.

Windshield wiper and washing system



Check whether wiper blades are frozen on windshield glass in cold seasons before windshield wiper is used. If they're frozen on windshield glass, they can't be used unless they're melted. Otherwise, wiper motor will be easily damaged.
To operate windshield wiper will also damage wiper motor if windshield glass is covered with obstacles including snow, etc.
Obstacles must be removed before windshield wiper is operated.
Don't operate windshield wiper on dry windshield glass. Otherwise, glass may be scratched and permanent damages are possibly incurred to wiper blades.

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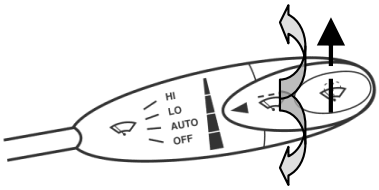
The following features are enabled only when ignition switch is put through.

Interval wiping（✻）

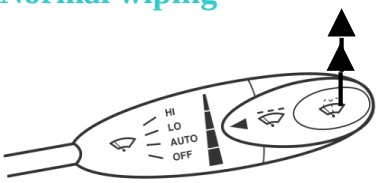


If windshield wiper is not set as automatic, “AUTO” indicates interval wiping; move the control lever upwards to “AUTO” from “OFF” to achieve interval wiping (the knob may be rotated to adjust time interval during interval wiping: the wider the pattern indicated by arrow is and the larger the area is, the interval time will be much longer; the narrower the pattern indicated by arrow is and the smaller the area is, the interval time will be much shorter).

Automatic wiping（✻）

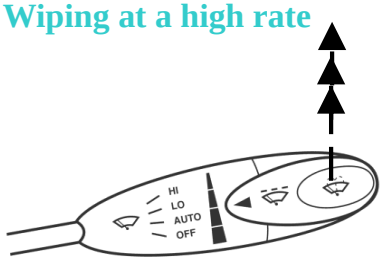
If automatic wiping is configured, “AUTO” indicates automatic wiping; windshield wiper will work automatically in rainy weather, when the control lever is moved upwards from “OFF” to “AUTO”. The windshield wiper will stop working automatically when there is rainfall in small amount or no rain.

Normal wiping



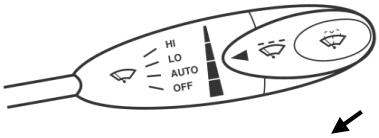
Move the control lever upwards from “OFF” to “LO” by two levels.

Wiping at a high rate



Move the control lever upwards from “OFF” to “HI” by three levels.

Water spray switch



Pull the switch handle to the steering wheel and hold it on. Cleaning liquid will be poured out from the water jet before windshield. The water jet will stop water injection when the handle is loosened; however, the windshield wiper still works for a little while thereafter.

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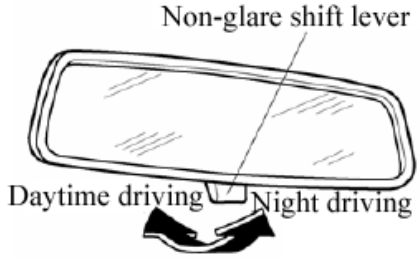
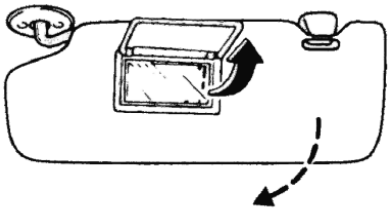
The duration for water injection shouldn't exceed 10 seconds, but no operations are allowed to be done if no cleaning liquid is available in accumulator tank.

Interior rear-view mirror

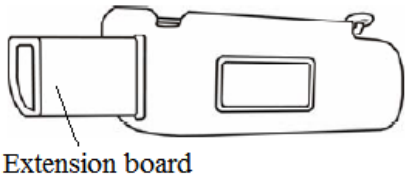


The regulating stem may be pulled backwards to adjust the angle of rear-view mirror for reducing glare in night driving.

Window visor



Cosmetic mirror available on window visor may be opened for use; window visor may be released from fixation clamp and rotated to side window.



After window visor is rotated to side window, extension board may be pulled aside to enlarge the scope of sunshade.

Sunglass box

Push and open it.

Rear manual blind

The blind may be rolled out through the pull handle in the middle. Then, fasten the buckles on hangers at both sides of ceiling.

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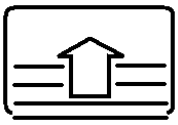
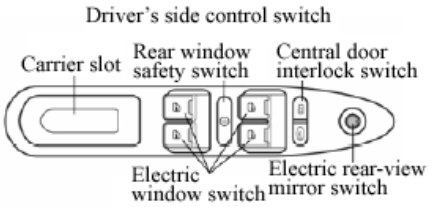
Rear electric blind switch (✻)

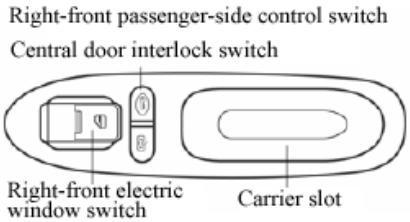


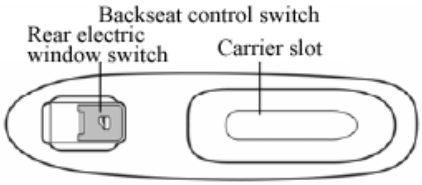
This switch is located at central console behind the shift bar.

If a rear electric blind is mounted on a car, push this button to close the blind, and push the button again to open it up.

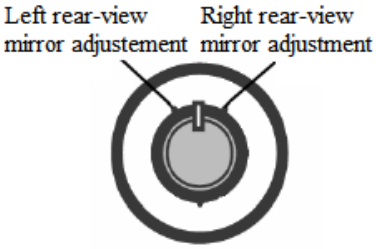
Control switch on car door







Electric exterior rear-view mirror (✻)



Electric rear-view mirror is adjusted with the regulating switch on driver's side car door. The regulating switch can't start working only when ignition switch is turned on.

Rotate the regulating switch into place in an anti-clockwise way to adjust left exterior rear-view mirror; rotate the regulating switch into place in a clockwise way to adjust right exterior rear-view mirror.

When the regulating switch is rotated into place leftward or rightward, it may be pushed to learn forward, backward, leftward and rightward to adjust the position of mirror up, down, left and right respectively. Rotate it to the central position when the mirror position is well adjusted.

Folding electric exterior rear-view mirror (✻)

Rotate the regulating switch of rear-view mirror by 180 degrees; push the switch leftward to fold the rear-view mirror and push it rightward to unfold the rear-view mirror.

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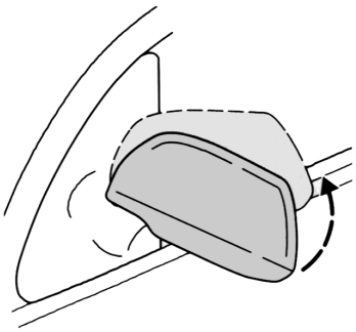
Note: Though some cars have electric folding switches, they have no electric folding features.

Manually folded exterior rear-view mirror (✻)

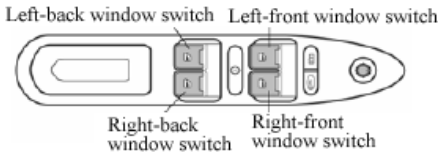


Exterior rear-view mirror may be manually folded backward if necessary, e.g., in narrow space. Fold the rear-view mirror outward (to restore it into its original position) until it is geared into the right position.

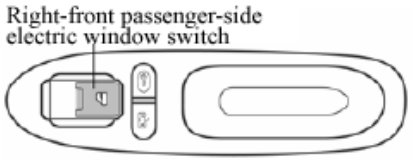
Images reflected into a convex mirror look smaller and further than physical objects. Pay attention not to overestimating actual distance of an object.

Electric window

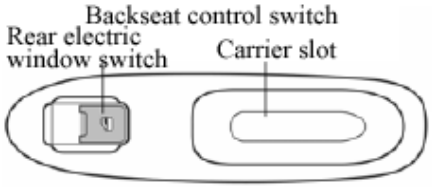
Left front door



Right front door



Back door



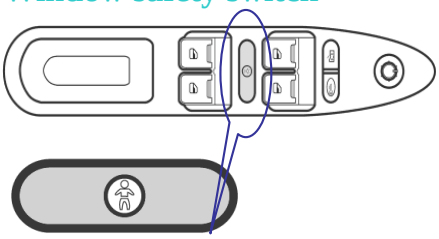
Electric window works only in the state that ignition switch is turned on.

Each car window can be operated with a control button on the plaque of the window.

A car window can be opened or closed with the button pressed down or lifted. Loosen the button when the car window rises or descends to keep glass staying in current position.

There are also control buttons on the plaque of the window at driver's side for the other three car windows in addition to the control button thereon for driver's side window.

Window safety switch



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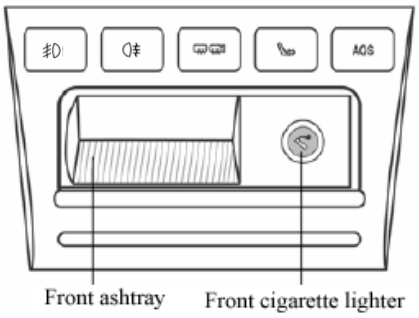
There is also a rear window safety switch button on the plaque of window at driver's side. Push the button to kick it up to disable the switches of electric windows for two rear doors and left front door. At this time, rear window switches at driver's side can be only used to control corresponding rear windows. It is advised to do so when there are kids on rear seats.

Notice:

Be careful when you close a window! Observe prudently to protect against any injury caused by squeezing.

Switches on central console



Driver seat heating switch (*)

Push the switch to start the driver seat heater. Push the switch again to stop heating.

Air purification switch (*)

Push the switch to start interior air purifier. Push the switch again to stop the purifier.

Front-row ashtray

Uncap a cover plate to open it.

Take out the let-in piece to empty it.

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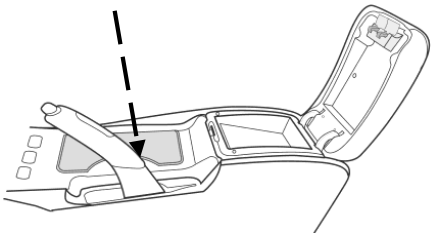
Cigarette lighter(✻)

Cigarette lighter can't be kept in the state of inserting to avoid hazards. If any kid is left alone in a car, take away cigarette lighter.

Press in the cigarette lighter to kick it up for use. The cigarette lighter can be also used, even if ignition switch is turned off.

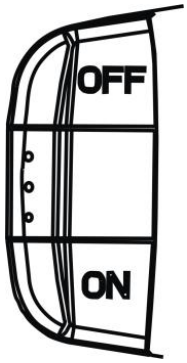
Prepositional cup holder

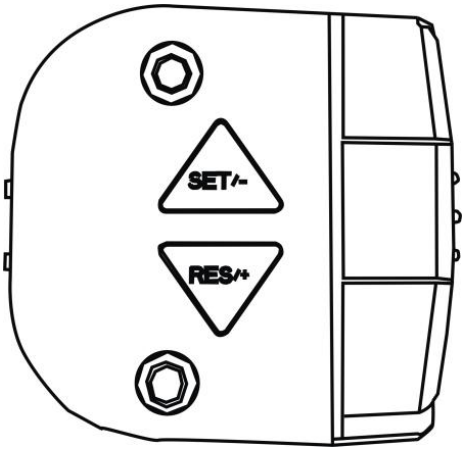


Open the cover plate to use the prepositional cup holder on the central console.

Don't place hot drink in prepositional cup holder during driving to avoid injury incurred by spillage.

Cruise control switch (✻)





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See "Electric cruise control system (✻)" of the part "Driving" for detailed functions of the switch.

Don't use the cruise control function when traffic is jammed. Don't use the function on undulated, curved, slippery or unpaved roads, either.

Tractive force control switch (✻)

This switch is used to disable or enable the tractive force control feature.

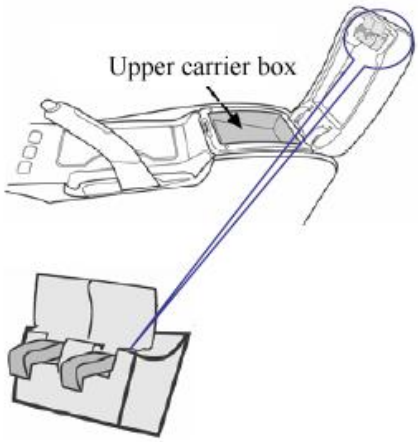
Tractive control system can help keep stability and steering performance of your car, especially during running on slippery roads (e.g., snow cladded roads) and gravel pavement. In such conditions, the system provides better tractive force for the car.

If the system functions, the tractive force control indicator (TCS indicator) will be ON. At this time, you'll hear running noise of electric pump from power plant nacelle; in the meanwhile, the engine speed won't be increased if you tread upon the acceleration pedal continuously. All these are normal phenomena of the system. Don't worry about that.

If your car plunges into icy snow, you may attempt to shut off the tractive force control system. In such a case, trackslip of the wheels "excavates" the vehicle from icy snow and drives it out in the mode of "swaying".

In case the system fails, TCS indicator will be ON, and the tractive force control switch won't function. Your car should be repaired and maintained.

Carrier box



Carrier box is located at the central armrest. Push driver's side button to open lower carrier box, and push the button at front passenger's side to open upper carrier box only.

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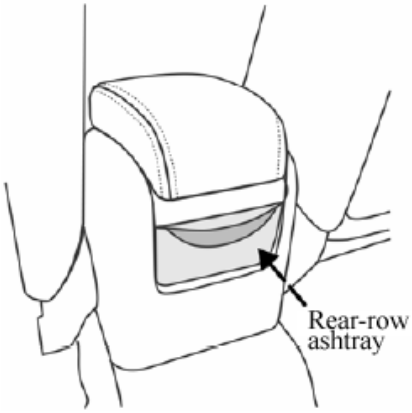
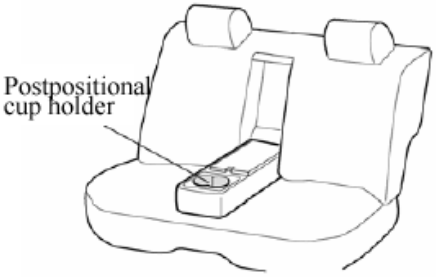
Rear-row ashtray

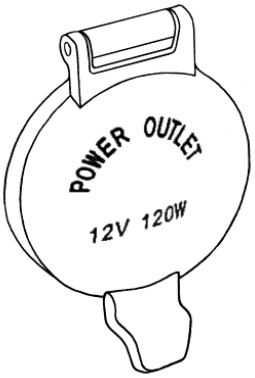


Postpositional cup holder



Postpositional cup holder is located in the front of central armrest of backseats.

Power Outlet



Power outlet is set at left front side of front passenger's side seat and on the right lower guard plate of central console.

It is used to provide power for external power consumers including car-mounted refrigerator, etc.

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Door Lock & Theft Protection

Supply voltage is 12V and rated power is 120W. Don't connect power consumers with total rated power over 120W to this outlet. Otherwise, fire disasters might be caused. Don't use a power consumer with rated voltage not as 12V at this outlet. Otherwise, the power consumer is possibly damaged or fire disasters caused.

This outlet has its power supplied by accumulator cells on the car. If the outlet is used to supply power to power consumers for a long period after engine misses, the accumulator cells will be seriously short of power to result in failure of the engine in startup.

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Chapter 7 Door Lock & Theft Protection

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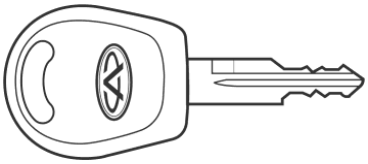
Door Lock & Theft Protection

Car Key

Ordinary remote control key



Collapsible remote control key

Push the key pop button on a remote controller to eject car key from within the remote controller. When not used, fold the car key back into the remote controller for convenience.

You can control all locks on you car with the remote control car key. In case of car key being lost, you can obtain a new one from Chery chartered service stations. Keep the spare key in safe places for future emergency purpose.

Central Door Locking System

All car doors can be operated with car key, remote controller or the control switches on the door plaques at driver's side and front passenger's side.

All car doors can be locked and unlocked with car key at driver's side door.

All car doors are simultaneously locked by pushing locking buttons on the door plaques at driver's side or front passengers side; all car doors are unlocked simultaneously when the unlocking buttons at driver's side or front passenger's side are pushed.

In unlocking, all safety buttons on car doors prop upwards. In locking, all safety buttons on car doors move downwards. Car doors can be also locked by pushing safety buttons.

*In locking car doors with remote controller after all doors are closed, keep pushing the lockup button on the remote controller for 3 seconds to lock doors and raise door glass, if door glass fails to rise.

Drive when all car doors are closed and locked so that car interior can be sheltered from outside forcible intrusion.

Door Lock

Front doors can be locked and unlocked outside with your car key. Unlock can be enabled inside with a door handle.

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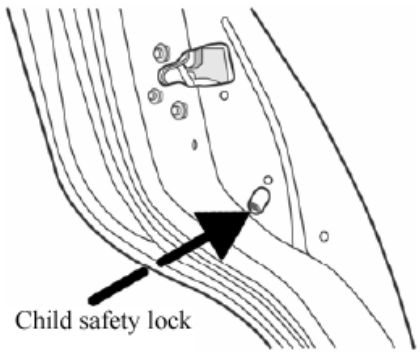
Push locking bar to lock rear doors when getting out of car.

Rear Door Child Safety Lock

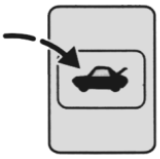


Toggle forward the switch for rear door child safety lock to enable the lock. With child safety lock enabled, rear door can be unlocked only from outside. Toggle backward child safety lock switch for unlocking.

Unlocking position of child safety lock is indicated above. Toggle forward the deflector rod of child safety lock for locking.

In hot weather, temperature inside car rapidly rises after engine stops running. Man and animals have their health jeopardized or even die in high temperature environment (brain death covered). Infants are especially vulnerable to such threat. Therefore, infants or animals must not be left in car.

Luggage Compartment Door Opening

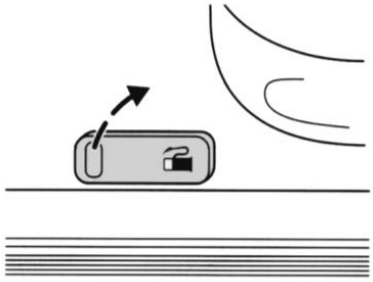


Push the luggage compartment control button on the door gate at driver's side to open luggage compartment.

Luggage compartment can be also opened with car key. In unlocking, turn car key clockwise.

Luggage compartment light will light up automatically.

Filler Cap Release Bar



Pull up release bar on the left side of driver's seat to open filler cap.

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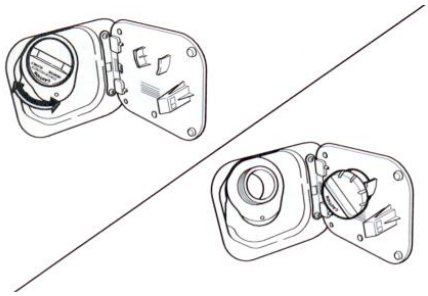
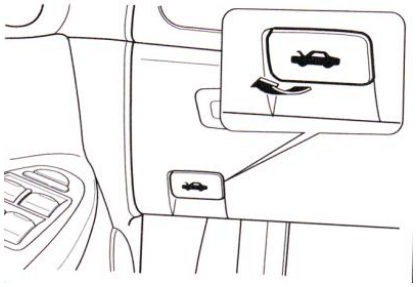
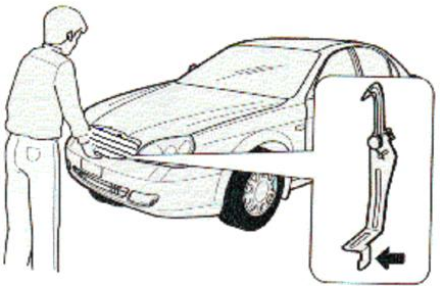


Tank cup can be screwed down and placed upon filler cap as shown in the figure above.

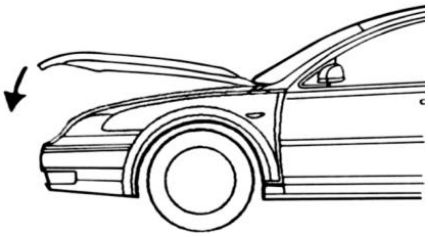
Bonnet Opening



1. Pull handle of the bonnet is located in the left front of driver's side; pull the pull handle backward to kick up the bonnet partially.
2. Walk to the front of car, reach your hand under the bonnet front to hold the bonnet pull handle; push the pull handle leftward, and pull the bonnet upward. Pull up the release bar to open the bonnet lock.



3. Raise the bonnet, which is supported by two air shock eliminators.



4. In closing the bonnet, lower the bonnet 20-30cm away from bonnet lock and then, let bonnet fall into latches to be closed.
5. Remember to uplift the bonnet after it has been closed for assuring that the bonnet is fully locked.

Bonnet shall be tightly closed in driving. In case of loosely locked bonnet in driving, immediately stop driving and close the bonnet tightly.

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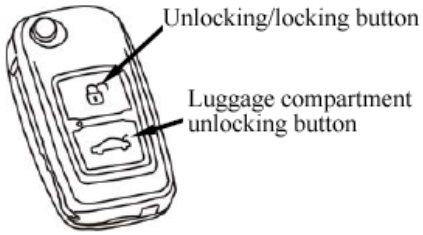
Wireless Remote Control System with Antitheft Function (✻)



When carelessly pushing 🔒 or 🚗 (to point your car key straight towards car is unnecessary in this case, e.g., the car key is kept in pocket), car door or luggage compartment door will open.

Remote controller works in a range of about 6m. When the distance between car and remote controller exceeds 6m, the remote controller may be invalid.

In case that car can not be unlocked due to remote control frequency interruption, you may directly use car key to lock/unlock the car. Other short range wireless emitters may use the emission frequency of remote controller (for example, amateur station, medical equipments, wireless earphone, remote control and alarm system).

Car Door Locking & Unlocking

Push the 🔒 button once to lock all car doors. Simultaneously, direction light blinks once and horn blares once, indicating antitheft function enablement. When the button is pushed again, all car doors get unlocked and in the meanwhile, direction light blinks twice to deactivate the antitheft function.

Remote Control Luggage Compartment Unlocking

When the 🚗 button is pushed and released, direction light blinks once, and luggage compartment cover will be open.

Note:

Luggage compartment can not be locked with remote controller and must be manually locked.

Antitheft Alarm System (✻)

The alarm system prevents unauthorized personnel from opening car doors, luggage compartment or bonnet.

Alarming (✻)

If unauthorized personnel attempt to open car doors, luggage compartment and bonnet, siren will blare for 30 seconds with danger flasher blinking for 5 minutes.

Any attempt to start engine or dismount radio causes siren to blare again.

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Door Lock & Theft Protection

Remote Control Battery Replacement

If the action range of remote controller is gradually reduced, batteries shall be replaced (model: 3V CR 2032).

Take the following steps:

1. Use parallel tools to open remote control unit from side clips.
2. Be careful when pulling out batteries. Install new batteries between two contacts and keep “+” sign upward.
3. Install remote control unit in steps opposite to dismounting procedures.

Used lithium batteries can not be disposed of as domestic waste. Discard used batteries pursuant to environmental protection regulations.

Engine Electronic Antitheft System ( )

Car electron*eft protection is designed for engine theft protection and greatly enhances overall vehicle safety.

Chips are embedded in every car key to integrate key, electronic alarm, and engine computer unit into an organic system of antitheft layout. If unauthorized personnel with a duplicate car key of the same size try to start the engine, car engine will not be started due to that the duplicate car key has no chips compliant with electronic alarm and engine computer. Risks of car theft are thus reduced.

If you lose your car key accidentally, please go to Chery chartered service station as soon as possible to ask for a new key matched with your car and to invalidate the key lost

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Chapter 8 Seat and Safety Protection

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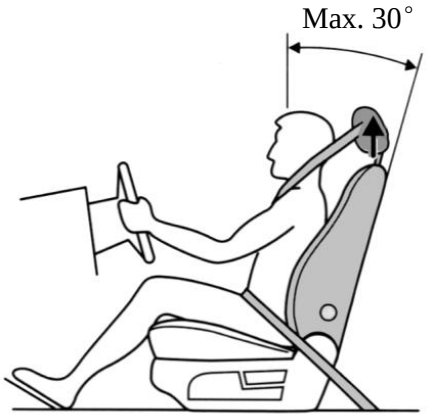
Seat and Safety Protection

Seat



Correct sitting posture

Seat, headrest, seat belt and SRS airbag all help protect passengers. If made full use of, they can make a further protection. Therefore, expect your compliance with the following points:

- Erect sitting posture adopted; the lower end of your back to be backward to the most extent, and seat back slanting by no more than 30 degrees;
- Adjust headrest appropriately to make the top of headrest level with upper end of your head;
- Don’t make front seats excessively close to instrument panel. Hold the steering wheel with slightly bent arms in driving. Your feet should be also bent slightly so as to tread the pedal to the furthest extent.
- Shoulder belt should tightly cross slantwise through your breast by way of external central shoulder. Avoid seat belt to pass through neck region. Lap belt should tightly pass across the hip instead of stomach.

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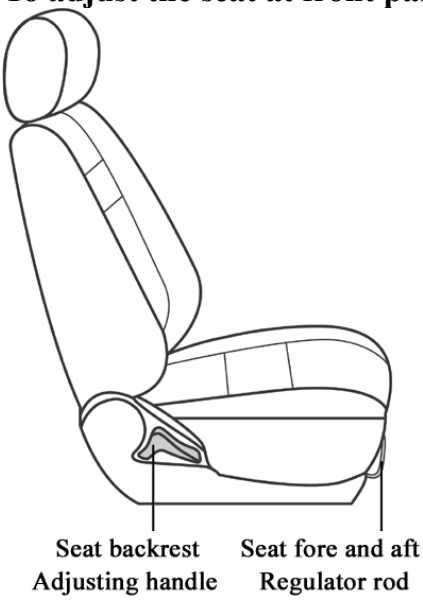
Don't adjust your seat during running.

To adjust the seat at front passenger's side



To move a seat forward and backward

Pull up the regulator rod at the external leading edge to your seat forward and backward. Release the regulator rod when the seat is adjusted into place. Then, rock the seat forward and backward again to determine whether the seat has been locked on skid rails.

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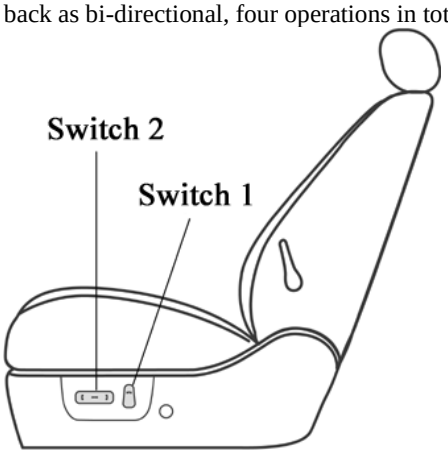
To adjust inclination of seat backrest

Lean your body close to seat backrest. Then, pull seat backrest to adjust the handle. Adjust the backrest to a desirable angle through alteration of body inclination.

To adjust the electric seat at driver's side (✻)

There is a control plate outside the seat cushion of electric seat, which operates an electric seat to make 8-directional adjustment (to and back as bi-directional, four operations in total); there are two control switches with exact functions below:



Switch 1: Used to adjust angle of inclination of seat backrest.

- Push upper end of switch forward or backward with your finger to cause seat backrest lean forward or backward.

Switch 2: Used to adjust your seat forward and backward and regulate rise and fall of the forepart and afterpart of seat cushion.

- Push the switch forward or backward to make your seat move forward or backward;
- Push front end of the switch upward or downward to make the forepart of seat cushion upward or downward;
- Push back end of the switch upward or downward to make the afterpart of seat cushion upward or downward;

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A car may be out of control to result in traffic accidents if electric switch is adjusted during running. Thereby, the electric switch can be only adjusted when the car stops.

Don't allow any person except for a driver to touch upon the electric switch during running to avoid displacement of driver's seat, which might cause the car to be out of control to result in traffic accidents.

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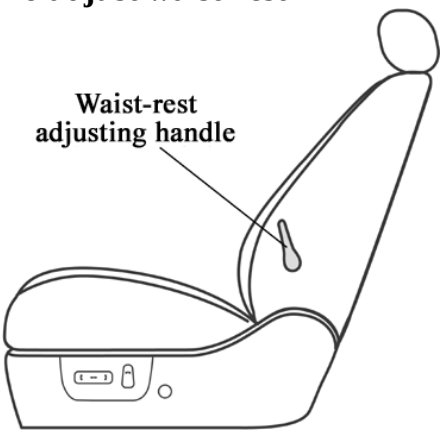
To adjust waist-rest



Waist-rest regulating handle is located at external side of seat back. Rotate the handle to adjust the waist-rest.
When the handle points forward, the waist-rest will jack up; when the handle points upward slantwise, the waist-rest will be taken back.

Headrest

If during the running, your car is rear-ended by a car that follows, the headrest will protect your neck vertebra by limiting movement of head. However, the protection is effective only when the headrest is rightly adjusted into place.

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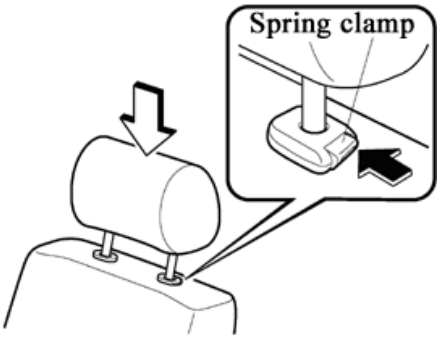
Front headrest



The headrests with height adjustable are available on front-row seat back. Occupants should adjust the headrests to appropriate height according to their body heights for effective protection.
Note: Angle of front headrest is also adjustable for some cars.

Headrest adjustment method:

Hold both ends of headrest with two hands to pull up or push down it;
The optimal height of headrest assures that its top keeps level with one's head.

Headrest dismounting and mounting methods:

To dismount headrest, press the spring clamp outside guide part of headrest and pull the headrest out from guide part; to mount headrest, distinguish front/rear seat headrest (pins of front seat headrest are of arc type, while those of rear seat headrest are of straight-bar form at their toes) and then, thrust headrest pins into guide part until spring clamp is correctly geared into pins.

Rear headrest

Headrest height can't be adjustable.

Headrest adjustment:
It's forbidden that

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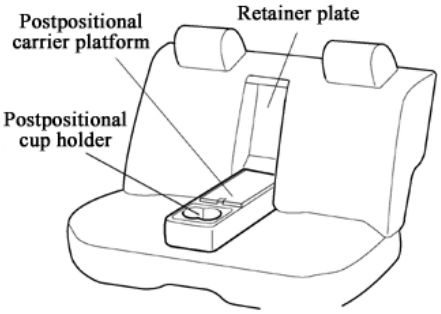
headrest is dismounted or adjusted too low to avoid that your neck is hurt in collision accidents because your head is lacking in support. Adjust headrest to an appropriate position.

Rear seat



There is a carrier platform in the central backrest of rear seat, which can be turned inside out to be laid down on seat cushion. There is a retainer plate behind the platform; the retainer plate may be laid down to connect to luggage carrier.

Delivery of luggage

Luggage and other articles loaded should be placed in luggage carrier as forward as possible. Driving is extremely dangerous when tail gate remains

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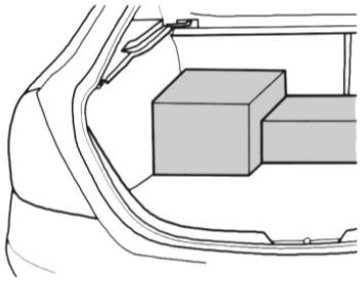
open. Excessive exhaust gas may be sucked into the vehicle via open tail gate.



If articles must be carried inside, please fix them to protect against displacement.

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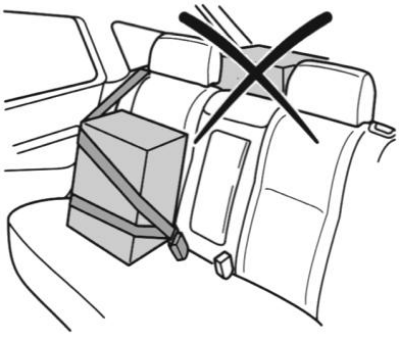

Seat belt

Use seat belt/children emergency seat from time to time. Seat belt can't be shared with another occupant. Ensure that seat belt be well fastened, not relaxed and twisted, and clear of obstacles.

Driver and front occupant should well wear safety belts during running.

Avoid wearing over corpulent and thick clothes. Seat belts should be tightly fastened to body for best protective effect.

Don't let children sit on adults' laps after a car moves. Adults can't protect children from injury in case of traffic accidents.

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Seat belt warning indicator

This indicator should light up when ignition switch is turned on. The indicator will keep ON to prompt driver to wear seat belt.

Fasten seat belt

Pull the seat belt out steadily. If you operate too forcibly or the car is on a slope, the seat belt may be locked up. Seat belt should runs through external shoulder center with the waist part tightly through the hip instead of stomach.

Insert clapper into buckle until the click sound is heard. Otherwise, seat belt fails to be rightly locked up.

To release the seat belt, push down the red button on the buckle to draw it back.
Ensure that each seat belt uses a buckle rightly.

Please pull it with efforts and then release it, if a seat belt can't be pulled out. Then, the seat belt will be able to be pulled out smoothly.

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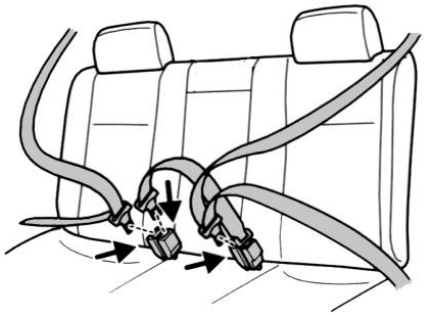
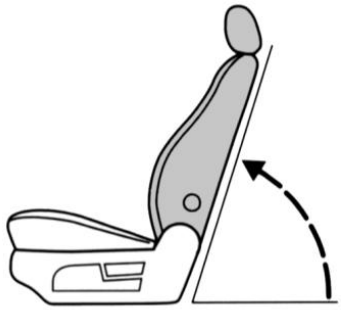
Two-point safety belt for central rear seat



This safety belt can’t be adjusted in length automatically. When using it, insert the clapper into buckle until the click sound is heard. Then, adjust its length manually to make it tightly through the hip.
Don’t lean front seat excessively. Safety belt provides best protection only when seat is approximately erect.



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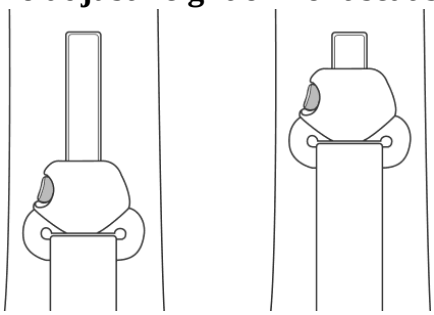
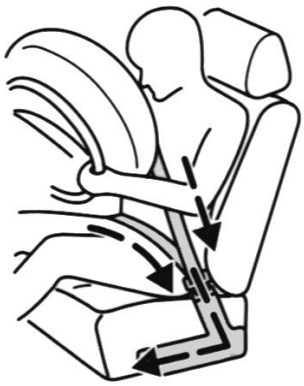
To adjust height of front seat safety belt



Seat belt can't pass by neck. For height adjustment, push down the lock knob on height controller to move safety belt through central shoulder area; then, release the lock knob and rock the controller to determine whether the controller is locked up.

Seat belt pre-tensioner (✻)



Don't dismount seat belt pre-tensioner. The pre-tensioner can be only maintained by specially trained personnel.

Seat belt maintenance

Seat belt inspection

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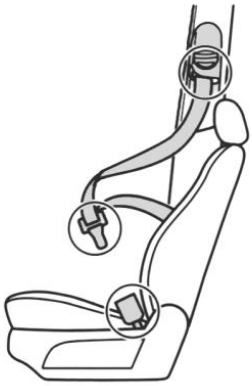

Check if safety belt is damaged or wears away.
Over-tensioned safety belt (e.g., after a traffic accident) should be replaced by Chery chartered maintenance point immediately with anchoring parts inspected.

Make no attempts to repair or lubricate roller or buckle mechanism of safety belt. Don't modify safety belt in any way.

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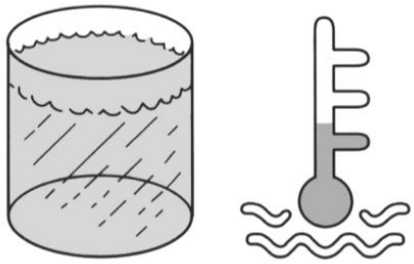
To clean seat belt



Clean and naturally dry up seat belt with in-vehicle detergent or clean tepid water. Manual heating should be avoided.

Don’t use chemical detergent, boiling water, bleacher or dye. Don’t let water run into roller mechanism of seat belt.

SRS airbag (*)

Combinational use of SRS airbag and safety belt helps reduce risks of serious injuries caused by material collision accident.

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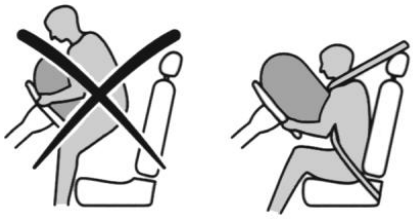
Notice:
SRS airbag gives out great noise in gas charging. In addition, nontoxic powder remainder similar to fume will be produced. All these are normal phenomena.



Front-row occupants can be effectively protected only when they're in sitting posture as erect as possible.

Fasten safety belt always and keep an appropriate distance from the steering wheel. Only when safety belt is used can your body be in a position where SRS airbag can produce best effects.

Front SRS airbag

Extremely dangerous! Don't use backward CRS (Child Restraint System) on a seat

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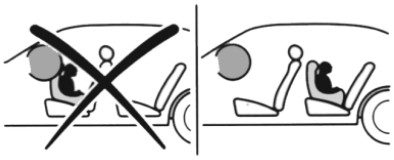
configured with front SRS airbag.



Seat and seat back must be correctly positioned to match SRS airbag in achieving best protective effects. Erect sitting posture should be adopted, and the lower back end should be tightly close to seat back with caster angle of seat back no more than 30 degrees. Don’t bring front seats excessively close to the instrumental panel. Hold the steering wheel with slightly bent arms during driving. This is the ideal driving posture, which helps reduce the risks exposed to driver when SRS airbag inflates.

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Serious head-on collision (being central or within 30 degrees on the left or right) may detonate SRS airbag. The SRS airbag will be inflated within 1 ms upon collision; when the airbag touches passengers' bodies, it will deflate to cushion their forward movement. SRS airbag won't be detonated in slight collision, tumbling and rear/side collision.

Keep the frontal area of SRS airbag clear of anything. Nothing is allowed here or above.

There are no safety systems that can make a full protection in serious collision. Even if safety belt is worn and SRS airbag inflates normally, injury, or even fatal injury is still possibly incurred.

Don't observe and determine if SRS airbag can work regularly with the naked eye after collision; determine through the impact strength borne by vehicle body. In some accidents where SRS airbag isn't inflated and detonated, excessive damage of vehicle body proves that the car has already absorbed collision energy in large amount; thereby, it is unnecessary for SRS airbag to function. In some other serious collision accidents, e.g., chassis collision, where vehicle body might not be damaged to a large extent, SRS airbag may be inflated and detonated.

SRS airbag won't function in the following conditions:

1. Side collision
2. Rear-end collision
3. Tilting
4. Slight frontal collision

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SRS airbag is not a substitute for safety belt. It is integral to the passive safety system of the entire car. Please use it together with safety belt. Only in this way can SRS airbag provide best protection.

Attention!
For your safety, please fasten safety belt. SRS airbag can be used only as the supplemental device of safety belt. Random dismounting of SRS airbag elements possibly results in human safety hazards. Don't modify inherent elements of SRS airbag.

Only are trained technicians allowed to repair the steering wheel, the steering post and the SRS airbag system. Accidental detonation of SRS airbag possibly incurs injury. Chery chartered maintenance stations provide technicians qualified for repairing

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and maintaining your car.

SRS airbag/seat belt pre-tensioner warning indicator

When ignition switch is rotated to the position II, the indicator on the instrumental panel will be ON for about 3 seconds to show that the system is operable.
If the indicator is not illuminated or keeps ON intermittently or continuously during running, it indicates failure occurrence. For your safety, please send your car to Chery chartered maintenance station for inspection.
As suggested by manufacturer of the SRS airbag installed on the car, the SRS airbag should be replaced every 10 years. By then, efficiency of inflating agent and effectiveness of SRS airbag will have been deteriorated.
If service life of your car/SRS airbag is unclear to you, Chery chartered maintenance stations are willing to provide you with the information concerned.
SRS airbag system can be only disposed of by Chery chartered maintenance stations.

CRS (Child Restraint System)

Extremely dangerous! Don't use backward CRS on a seat configured with front SRS airbag.

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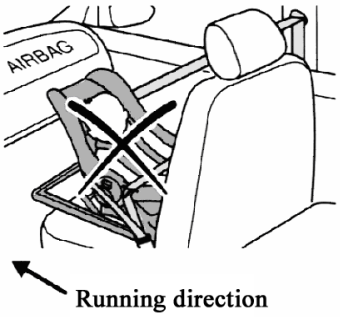
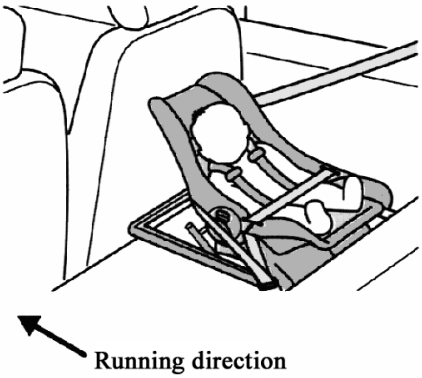
Read carefully and comply with manufacturer's instructions when the CRS is installed.

Don't embrace children on your laps during running.

Children, 12 years old or younger, or 150cm high and below, must use a special CRS (e.g., baby seat, child seat or elevated seat cushion).
CRS must apply and be approved by government.
Combination of such emergency seats and seat belts helps assure safety for children to the most extent.

- Infants less than 10kg in weight or one year old or younger should be placed in a baby bed on rear seat, restrained or fixed in the bed in horizontal position. The best alternative for infant protection is backward CRS on rear seat.





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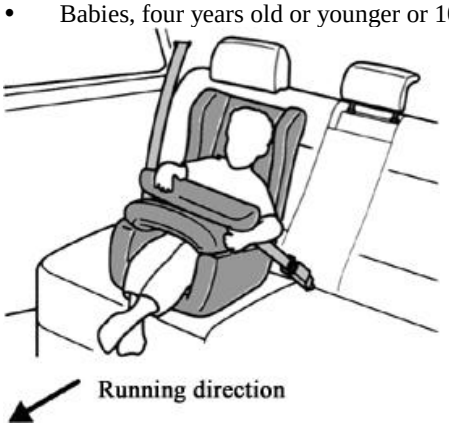
- Babies, four years old or younger or 10~18kg in weight, should be placed in CRS on rear seat.



- Children, 4~12 years old or 18~36kg, should be placed at rear seat with elevated seat cushion. Adjustable auxiliary safety belt fastened on elevated seat cushion ensures that diagonal safety belt traverses the shoulder area appropriately. Elevated sitting position assures the seat belt for adults through central shoulder area instead of neck region and the waist belt tightly through buttock instead of stomach.

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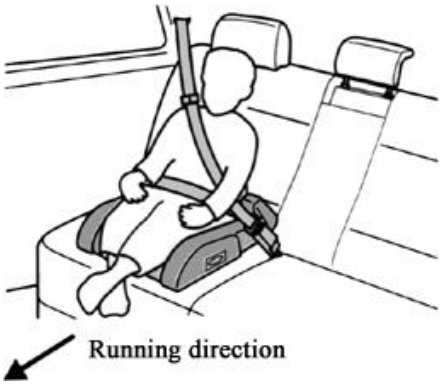

Each safety seat accommodates one child only.

In accordance with provisions of Law of the People's Republic of China on Road Traffic Safety, it is forbidden that children sit on front seats, and children should occupy emergency seats applicable.

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Chapter 9 Driving

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Driving

Start

Preparations prior to start

Starting of engine is controlled by electric control system of engine.

Don't step on the gas prior to, and during starting of an electro-jet engine. Use the throttle only when there are difficulties in starting. See "Starting of engine" of this chapter for details about how to start a car.

Racing of engine for long results in overheating of engine and exhaust system to produce hazards of fire disasters and other damages.

Don't park, run idle or drive on the pavement covered with dry grass or other dry articles. Exhaust system causes rise of temperature of power plant nacelle and exhaust pipe to result in ignition possibly.

Don't start a car in airtight garage or other airtight places due to toxic nature of tail gas emitted by automobile. Open the garage door necessarily before engine is started. See "Caution against exhaust fume" of this chapter for details.

If there is a smell of exhaust fume in your car, please turn to Chery chartered service station for inspection. Continuous driving is forbidden.

Safety tips:

Idling speed of engine is controlled by electric control system. The idling speed is high when the engine is started to facilitate temperature rise of engine. When temperature of engine rises, the idling speed should be reduced automatically. If the idling speed can't be lowered down, send the car to Chery chartered service station for inspection & repair. Running of engine at a rate higher than rated idling speed for over 10 minutes is forbidden.

Before the car is started:

1. Confirm that all occupants wear safety belts well. See the chapter "Seat and Safety Protection" for details about safety belt and usage.
2. Confirm that head light and other electrical fittings are switched off.
3. Confirm that hand brake is pulled up.
4. Confirm that the selector rod is at the position "P" (parking) for AT (Automatic Transmission) cars.

Engine is started only when the AT selector rod is at the position "N" or "P".

Your car is configured with an additional locking device of selector rod, which functions when the selector rod is at the position "P".

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Step on the foot brake and push the locking button to displace the selector rod after the engine is started.

5. Confirm that the selector rod is at a neutral position for MT cars.
6. Twist the ignition switch to “ON” instead of “START”.

If it is hard for the key to be rotated, rotate the steering wheel to the left or right until the key can be smoothly rotated. There might be the factors below for such a case:

- Front wheel deflection.
- Front wheel hits upon road edge.
- The steering wheel is rotated when you get on/off a car.

7. Determine if the warning indicator of instrument panel is ON for a short period while ignition key is turned on; if the warning indicator is not ON, turn to Chery chartered service station for inspection & repair.

If driver’s safety belt has been well fastened before the ignition key is turned on, the warning indicator for safety belt won’t be illuminated.

To start an engine

1. Twist the ignition switch to the position START. Don’t step on the gas. Loosen your key immediately when the engine is started, and the key will be back to the position II.
2. If the temperature is higher than -12°C and the engine can’t be started within 5 seconds the first time, twist the key to the position OFF and try again after 10 seconds.
3. If the temperature is lower than -12°C and the engine can’t be started within 15 seconds the first time, twisted the key to the position OFF and try again after 10 seconds. If the engine can’t be started for two times continuously, step on the gas to the bottom and hold on, and twist the key to the position START. Loosen the key after the engine is started; and then, loosen the accelerator pedal slowly along with heightening of engine speed.
4. For AT cars, run idle for several seconds after the engine is started and then, step on foot brake and loosen hand brake to shift in the running gear and to be ready for running.

Pull up the hand brake or step on the foot brake before gear shift. Otherwise, automobile may move during gear shift to result in damages.

5. For MT cars, run idle for several seconds after the engine is started and then, step on the clutch, shift in the running gear and loosen hand brake to be ready for running.
6. For MT cars, the reverse gear can be shifted in, only when the gear shifter is pushed down when the vehicle is at rest. Step on the clutch pedal to the bottom before gear shifting and shift the gear appropriately after a few seconds so as to prevent the bad gear coupling of transmission from producing the noise of quack lingo, when the engine is running. When ignition switch is put through, the reversing light of rear end will be ON immediately when the reverse gear is shifted in.

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Don't place your hand on gear shifter during running. Otherwise, the pressure of your hand might be transmitted to the shifting fork (for gearshift) within the transmission to cause the shifting fork to wear away in an early way.

Caution against exhaust fume

Though automobile exhaust fume is colorless and tasteless, it contains carbon monoxide. Please protect against its hazards.

If there is a smell of exhaust fume in the car, turn to Chery chartered service station immediately for assistance. Continuous driving is forbidden. Exhaust fume is toxic, possibly endangering life.

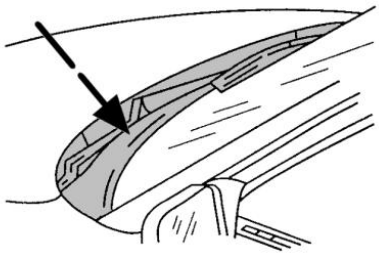
Exhaust system of automobile and ventilation system should be checked in the cases below:

- When automobile is lifted up for inspection & repair;
- Sound of the exhaust system changes;
- Automobile is damaged due to collision.

Some components of engine exhaust gas and certain chemicals contained or emitted by some auto parts may lead to cancer, defects of the newborn or other damages to the genital system.

Pay attention to ventilation

When a car parks in a wide area and runs idle for long, the vehicle window should be opened by over 2.5cm. There is an alternative that the ventilation function of air conditioning is opened to let fresh air in.



Remove snow deposit, falling leaves and other articles that block the air inlet to improve ventilation of automobile.

Self-adaptive function of engine control system

If battery jar wires have been ever dismounted from accumulator cell, automobile will present some abnormal phenomena in the initial phase during running when the wires are reconnected. This is a process that the control system of engine learns to adapt to the engine. It can be ignored.

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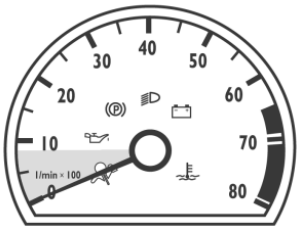
Engine RPM Limiter

Engine speed is limited by an electronic device for engine protection.

Engine shutdown



Release the accelerator pedal. Turn off ignition switch when engine speed is reduced to the idle speed.

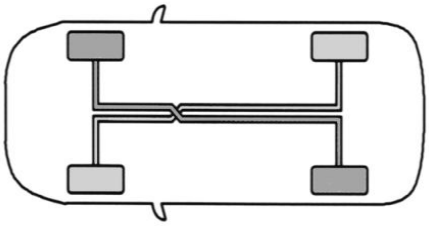
Don't step on the accelerator pedal before the engine is shut off.

Don't shut off the engine immediately in parking after running at high speed for long. Make the engine operate for another 2 minutes at a rate higher than idle speed to reduce the temperature gradually.

Notice:

When ignition switch is turned off and the engine is shut off, the temperature is still very high, and it takes about 10 minutes for electronic cooling fans of radiator to operate continuously. Even if the cooling fans stop operations, they may operate again all of a sudden due to high temperature. Thereby, be particularly careful when working beside the engine.

Brake



Double loop braking system

Your car is equipped with a diagonal double-loop braking system. If one loop fails, the other loop still keeps working effectively.

When one braking loop fails, it costs a lot of efforts to step on the braking pedal, and the parking distance is also prolonged. In such a case, please head to Chery chartered maintenance point for inspection & repair and then continue your journey.

Brake fluid

If the warning indicator for the braking system is not OFF when hand brake is released, it indicates that the level of brake fluid is too low.

Check height of brake fluid level on a scheduled basis, as required.

Add brake fluid immediately to keep the fluid level with the mark of MAX. Send your car to Chery chartered maintenance point for inspection of the braking system.

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Work descriptions of the braking system

It is normal that the braking system makes a noise once in a while. However, the brake disc may suffer heavy wear and is necessarily replaced, if metal milling noise or zip lasts for long. In such a case, turn to Chery chartered service station for inspection & repair.

Head to Chery chartered service station for inspection & repair, if persistent jittering or vibration is transmitted to the steering wheel during braking.

New brake lining can achieve its best braking effect only after green run. In the initial 200km, the braking effect is abated slightly; in such a case, the braking effect can be compensated with more efforts in stepping on the brake pedal. This key point also applies to new lining replaced.

Wear conditions of brake lining depends largely on operating conditions and mode of driving. The working conditions for brake lining are more rigorous for urban traffic vehicles due to frequent startup and stoppage. Therefore, head to Chery chartered service station to check thickness of brake lining or replace the brake lining necessarily in consideration of the maintenance mileage as specified in the maintenance manual.

Shift in a lower gear appropriately in downslope running, making full use of the braking function of engine to mitigate loads of the braking system. At this moment, don't keep stepping on the brake pedal even if braking is required.

Wet brake disc degrades braking efficiency. In water related conditions, rainstorm or after car wash, step on the brake pedal slightly to generate heat between brake disc and brake lining to evaporate water for restoration of braking effects.

Brake booster:

Brake booster is subject to vacuum control of engine. This device functions only when the engine works. Thereby, don't slide with loss of ignition in downslope running.

If brake booster can't work due to that the vehicle is drawn by a tractive force or fails itself, step on the brake pedal with more efforts to compensate the booster.

Each pedal should be stepped on to the bottom and fully return into place, keeping flexible movement.

Therefore, the floor around the brake pedal shouldn't be paved with foot pad or other coverings to the best. If necessarily paved, the foot pad shouldn't curb pedal movement and slide.

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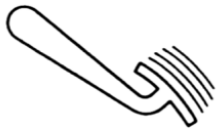
Antilock brake system (ABS)

The ABS (Anti-lock Brake System) avoids locking of vehicle wheels, assuring that the vehicle can keep steering performance even in emergency braking to help you evade obstacles.

The ABS integrates EBD (Electric Brakeforce Distribution) to ensure its performance more excellent.

ABS actions



The ABS doesn't function in normal braking, effective only when vehicle wheels are to be locked. In braking, pulsation of brake pedal with noise indicates the ABS is functioning; the pulsation and noise are normal.

Don't loosen the brake pedal at that moment.

To brake with ABS

Step on the brake pedal with full efforts in emergency conditions to initiate the ABS immediately. However, you still keep control of steering; if there is enough space, you can also evade obstacles.

It is suggested that you shall be familiar with the braking technique while taking no unnecessary risks.

Though the ABS can ensure best braking efficiency, stopping distance varies according to road conditions. The ABS can't always assure a shortened braking distance. For example, braking distance of a car equipped with ABS may be longer than that of one not equipped with ABS. Similarly, working of the ABS can't eliminate hazards caused by much shorter distance from the car in the front, water involvement, over-fast turn or bad pavement, neither can it prevent accidents arising out of negligence and incorrect driving. Be careful in driving. Decelerate the car in turning.

ABS self-check

The ABS will make a self-check after your car is started. During the period, you can hear mechanical noise. This is normal.

If the ABS warning lamp is ON during running, it indicates that the ABS has faults. Please park the car and contact Chery chartered service stations.

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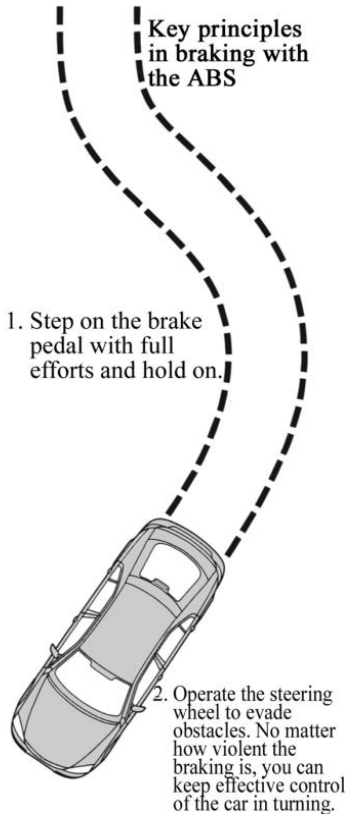
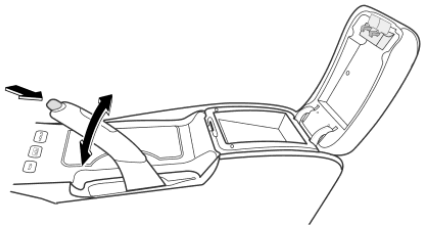


Hand brake



Pull up hand brake tightly after parking to protect against car rolling due to negligence.

Pull up the hand brake necessarily before leaving your car.

The braking warning lamp is ON when hand brake is pulled up in the state that ignition switch is turned on.

Pull up hand brake lever to use hand brake.

Pull the hand brake lever upward slightly, and push down the release button on the top of handle and push the hand brake downward, to release hand brake.

Hand brake controls rear wheels.

Steering

To avoid damages to the power steering system:

- The duration for the steering wheel to be rotated to the extreme (to the dead point leftward or rightward) shouldn't exceed a few seconds when the engine works.
- When power steering liquid of power steering solution tank is lower than the mark of MIN, fill the power steering liquid immediately. No driving is allowed before filling.

When power steering system fails or the engine is shut off, the vehicle will lose the boosting force for steering. You can still rotate the steering wheel, though to do so demands great efforts.

If the vehicle wanders or swings during running, please check the items below:

- Whether tyre pressure is sufficient

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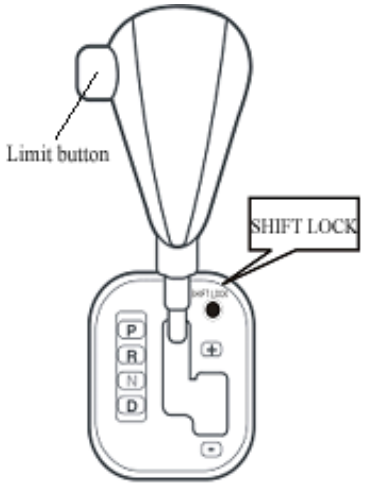
- Whether type attrition is equal
- Whether suspension parts are loose or wear away
- Whether steering parts are loose or wear away
- Whether vehicle wheels are correctly positioned

Automatic transmission operations (✻)

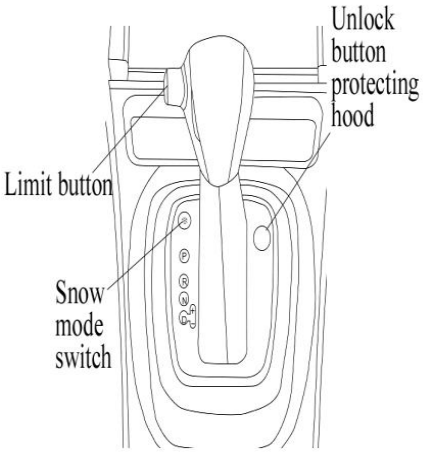
The automatic transmission equipped is an electronically controlled quad-speed variator. Relevant operations of automatic transmission will be introduced below. Reference relevant information for automatic transmission type indicated.

Gearshift control mechanism diagram

1. Equipped with F4A4 automatic transmission (AT) gearshift control mechanism:



2. Equipped with DPO automatic transmission (AT) gearshift control mechanism:



Positions optional for gearshift lever

P = Parking

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R = Reversing

N = Neutral

D = Drive

Manual shift mode

+ = Gear up

- = Gear down

P = Parking

At this position, transmission output shaft is locked up to lead to that the driving wheels can't rotate.

This position can be selected only when the vehicle fully stops.

Gearshift lever can be moved from the parking position only when the brake pedal is stepped on and key of ignition switch is at the position "ON".

SHIFT LOCK = Shift lock (✻)

For F4A4 automatic transmission, please push down the key of "SHIFT LOCK" (shift lock), if you want to move the gearshift lever without stepping on the brake pedal (with key of ignition switch at the position "ON").

Gear "P" unlock button protecting cover (✻)

For DPO automatic transmission, when key of ignition switch is turned off and the gearshift lever is at gear "P", pry open this protecting cover. Then, push the gear "P" unlock button therein with appropriate tools (e.g., screwdriver) to move the gearshift lever even if the brake pedal is not stepped on.

R = Reverse gear

Shift in this position necessarily in backing a car.

This position can be selected only when the vehicle fully stops and the engine runs idle.

N = Neutral

This position can be selected only when the engine is started or runs idle. In this case, there is no driving force transmitted to the driving wheels.

D = Driving

It is the position of the gearshift lever in normal driving.

Manual shift mode

The manual shift mode can be shifted in only when the gearshift lever is at the position "D".

Toggle the gearshift lever into place rightward if you want to shift in manual gearshift mode.

In manual gearshift mode, push the gearshift lever towards + direction to gear up the transmission into adjacent higher gear; push the gearshift lever towards – direction to gear down the transmission into adjacent lower gear.

In manual mode, to gear up applies to any speed; but to gear down can be implemented only when vehicle speed falls within allowable band.

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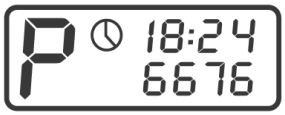
Gear display

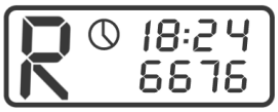
The position of gearshift lever will be displayed into central display panel when ignition switch is turned on.

Each gear is displayed, as indicated below:

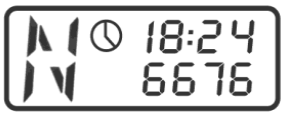
The position “P”:



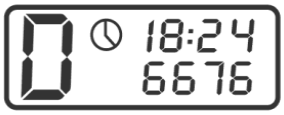
The position “R”:



The position “N”:

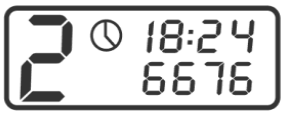


The position “D”:

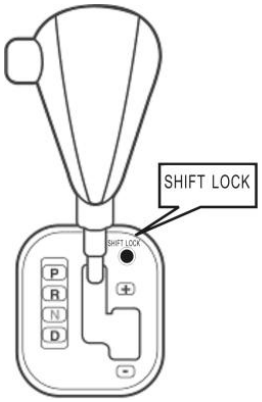


Manual mode:

In manual shift mode, the gear selected by driver will be displayed in figures in the display panel. Take gear 2 as an example below.



Shift lock



To move the gearshift lever from the position “P” to “R”, from “N” to “R”, or from “R” to “P”, push down the limit button on the handle of gearshift lever to release the shift lock. It is unnecessary for the limit button to be pushed down for the gearshift lever to move to other positions.

Note: The operating methods for the vehicles equipped with two types of automatic transmissions keep the same.

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Get off the mark

Keep the engine idle and step on the brake pedal to move the gearshift lever to a driving gear. When the brake is released, the vehicle will run slowly itself. Step on the accelerator pedal to improve vehicle speed.

AT cars can't be towed or pushed to be started. Please use jumper wires to connect to supporting accumulator cells for jump-starting.

In special circumstances, gear 2 may be chosen in the manual mode as the starting gear for running on icy snow cladded pavement.

Running out of slit and icy snow

If the driving wheels plunge into silt or icy snow, try to rock the vehicle through repeated forward/backward going. Alter the gearshift between the positions "D" and "R" and slightly step on the gas. In order to enhance effects, shift to the position "R" when the vehicle still moves forward, or vice versa.

Avoid gearshift between driving gear and reverse gear (rocking) for long; this will make transmission over-exhausted. The period for rocking shouldn't exceed 1 minute.

In rocking, try to keep the engine running at low speed.

Compulsory gear-down

Automatic transmission can provide augmented torsion in climbing up an abrupt slope or overtaking. To obtain compulsory gear-down effects, step on the gasoline throttle to the bottom at gear D and hold on. The transmission will switch to the next gear when the engine achieves maximum speed of rotation.

Parking on the way

Unloosen the accelerator pedal and step on the foot brake. Keep the gearshift lever in its original position. Release the foot brake for another start.

The key principles for driving of AT cars on different road conditions

- It is suggested that gear D is used for the flat roads with small gradient. Step on the gas rapidly* to obtain immediate acceleration capability.

* Step on the gas rapidly: Driver can step on the accelerator pedal to the bottom rapidly. The function of rapid stepping on the gas is to gear down by one scale for the purpose that the torsion is increased and then the speed is accelerated to a higher level at a higher gear to obtain excellent acceleration capability.

Notice:

The vehicle will be vibrated slightly when geared down while being accelerated. This indicates that compulsory gear-down functions rather than the engine expedites jittering. All these are related to rapid stepping on the gas. This is one key driving principle necessarily mastered by a driver.

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If you step on the gas slowly, it is relatively hard for the vehicle to be geared down while being accelerated. If you step on the gas slowly to one half or two thirds of the stroke, it is impossible for enough acceleration horsepower (torsion) to be obtained, though some horsepower (torsion) may be increased. This is the reason why customers feel the horsepower is low. In addition, jittering will be much larger in stepping on the gas slowly; avoidance is thus necessary.

- It is suggested that gear 3 or gear 2 be used in the manual mode for the roads with intermediate gradient. Stepping on the gas rapidly* provides immediate acceleration capability.
- Please use gear 1* in the manual mode for the roads with large gradient. Don't use gear D. Stepping on the gas rapidly provides immediate acceleration capability.

*Drivers can't use gear 1 for the whole journey. Depending on gradient change, the gearshift lever should shift in gear 2 or to the position D for normal driving. To use gear 1 for long and forget shifting to the position D for normal driving may incur damages to transmission. Pay special attention.

- If the period for continual braking lasts too long in downslope driving, the braking performance will fade due to overheating of the brake. Please use engine braking* to lower the vehicle speed.

* The engine braking refers to the braking effect achieved by shifting in a lower gear during journey and releasing the accelerator pedal, enabled by engine deceleration and low transmission gear ratio.

The lower the gear is, the better the effects of engine braking will be.

To shift in a lower gear imposes great impact upon engine and transmission during driving at high speed. Shift in a lower gear only when the vehicle is speeded down appropriately.

- Please use the manual shift mode before downslope driving to shift in the lowest gear to achieve best braking effects for the downslope roads with very large gradient.

Electronic Cruise Control System（✻）

In order to reduce the driving pressure of stepping on accelerator pedal, cruise control system keeps the car steadily running faster than 25km/h and slower than 130km/h within engine power toleration.

Use of cruise control system is not recommended in traffic hubs and unfavorable driving conditions (for example, slippery roads, vehicle skidding or rolling forward). Recommended car speed for cruise driving ranges from 35km/h to 130km/h and low speed cruise

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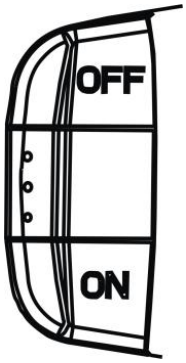
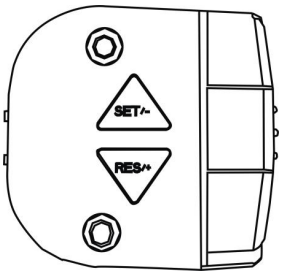
Cruise Button Function Definition

Cruise buttons ON and OFF to the left of steering wheel are shown in the figure below:



Cruise buttons RES/+ and SET/-to the left of steering wheel and under the buttons ON and OFF are shown in the figure below:



1. Ignition switch is accessible through ON button; push the ON button, cruise indicator lights up and keeps blinking (normal pre-cruise status); when driving at 25km/h to 130km/h, push the button SET/-, vehicle runs at a constant speed (Don’t place foot on accelerator pedal; cruise system automatically adjusts the opening of air throttle); at the same time, cruise indicator constantly shines, suggesting progress into cruise status; continued blinking of cruise indicator suggests non-realization of cruise status, please try again to enter cruise status (if failed, please contact with Chery chartered service station and ask for inspection & repair service);
2. In cruise status, push the OFF button to exit from cruise status, and cruise indicator blacks out; in cruise status, step on accelerator pedal (cruise indicator constantly shines), and car speed rises; when accelerator pedal is released, car speed falls to cruise speed before accelerator pedal is stepped on;
3. In cruise status, when accelerator pedal (cruise indicator constantly shines) is stepped on, car speed rises; when accelerator pedal is released, car speed automatically falls to the cruise speed when accelerator pedal is not stepped on;
4. In cruise status, step on accelerator pedal (cruise indicator constantly shines), and car speed rises; release accelerator pedal, and push the SET/- button, and the car cruises at new speed;

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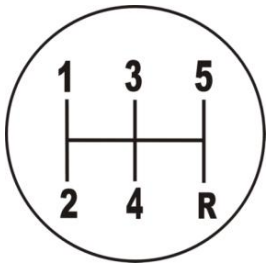
5. In cruise status, short-press the RES/+ button once (shorter than 0.5 sec and cruise indicator constantly shines), and car speed rises by 2km/h; in cruise status, long-press the RES/+ button (longer than 0.5 sec and cruise indicator constantly shines), and car speed constantly rises; when the RES/+ button is released, speed rise stops and the car runs at a constant speed when releasing the RES/+ button (long-pressing RES/+ button not recommended as car speed keeps rising leading to potential driving safety risks);
6. In cruise status, short-press the SET/- button (shorter than 0.5 sec and cruise indicator constantly shines), and car speed rises by 2 km/h; in cruise status, long-press the SET/+ button (longer than 0.5 sec and cruise indicator constantly shines), car speed keeps rising; when the SET/- button is released, car speed rise stops and the car runs at constant speed when releasing the RES/+ button;
7. In cruise status, step on brake pedal, cruise indicator blinks (suggesting normal pre-cruise status), and car speed falls; if car speed does not fall below 25km/h, the car will run back into cruise status before brake pedal is stepped on, and cruise indicator constantly shines, when brake pedal is released and the RES/+ button is pushed;
8. In cruise status, when brake pedal is stepped on, cruise indicator constantly shines (suggesting normal pre-cruise status), and car speed falls; if brake pedal is released when car speed falls below 25km/h and the RES/+ button is pushed, the car will be unable to run back into the cruise status before brake pedal is stepped on. However, driver can step more heavily on accelerator pedal to raise car speed above 25 km/h, and push the RES/+ button while accelerator pedal is released; then, the car will run back into the cruise status before brake pedal is stepped on, and cruise indicator constantly shines;
9. In case of complete vehicle faults affecting cruise safety, the car would be unable to enter into the cruise status with cruise indicator blinking.

Manual Transmission Operation（✻）

Chery Eastar has five driving gears and one reverse gear for manual transmission.

Gear layout is shown in the figure below:



Gearshift

Operating instructions and notices:

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- In gearshift, step on brake pedal to the bottom, move shift lever into desired gear, and exert more force to send shift lever into that gear. In case of inflexible gear engagement, step on brake pedal again and quickly move gear lever into place after releasing transmission from engine torsion.
- Shift to low speed gear when driving down slope; sliding of a car declutched should be avoided.
- When shifting transmission from a low gear to a high gear, trip-stop operation should be prohibited lest service life of synchronizer is undermined.
- In neutral engine shutdown, engine startup through forceful engagement with synchronizer is strictly prohibited; otherwise, service life of synchronizer is undermined.
- Drastic pulling and pushing movements are strictly prohibited in gearshift; constantly press on the gear lever so that the period for lock loop of synchronizer will be greatly reduced
- Don't continuously hold the gearshift lever with your hand when gear engagement and gearshift are completed so as to prevent transfer of excessive force from hand to gearshift fork; otherwise, premature wearing of gearshift fork might occur.
- In case of such abnormal phenomena in driving as abnormal noise detected in transmission and obvious unwieldiness in operation, immediately stop and check your car; and continue your driving when all faults are cleared.
- In normal driving status, please don't keep your feet on clutch pedal to avoid unnecessary wearing of clutch.
- Move the gear lever to reverse gear only when car stands still. When engine is running, step on the clutch to the bottom before gearshift, and shift in a gear after several minutes, so as to prevent quacking noise produced by unfavorable transmission engagement. When reverse gear is enabled, rear reversing light will blink after ignition switch is turned on.

Reverse gear is strictly prohibited in driving; otherwise, transmission may be damaged. Such faults are not warranted by Chery Automobile.

Wading

When inevitably encountering water in driving, drive carefully and slowly especially when facing undefined situation.

When water submerges rim, Don't drive forward.

When wading through water, both car tractive force and braking performance are reduced, and risk of engine shutdown is possible.

When water permeates into engine air inlet pipe, the engine can be seriously damaged. When wading through deep water, water seeps through transmission vent-hole into transmission gear to cause damages to the transmission.

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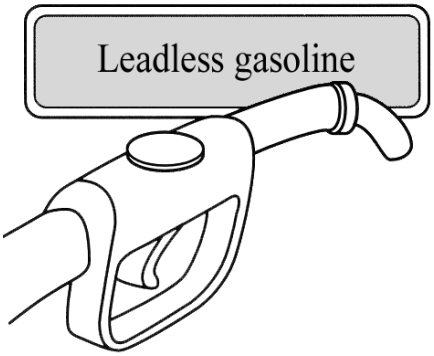
After wading through water, drive slowly and slightly and step on brake pedal several times to remove water from it. Water on brake will degrade braking performance.

Catalytic Converter

Catalytic converter helps reduce exhaust gas pollution.

Make sure that leadless fuel is used. Leaded fuel causes permanent damages to catalytic converter and hot oxygen sensor. Chery Automobile is not responsible for damages due to use of leaded fuel. Such damages are unwarranted. In case that you accidentally add leaded fuel, please immediately contact Chery chartered service station nearest.



Narrowed oil filling port is available with gasoline engine car and can only accommodate compressor gun nozzle of leadless gasoline pump.

When gasoline engine operates, high tension line of ignition coil shall not be pulled off. Check whether engine works normally or observe spark flashover by resorting to cylinder extinguishment method; otherwise, catalytic converter might be damaged.

Note:

When engine keeps running, catalytic converter will be extremely heated. Wear protective gloves in maintenance to avoid scalding.

Drive cars equipped with catalytic converter

In case engine ignition is in trouble or engine performance is degraded in driving, please drive your car slowly to Chery chartered service station nearest. Don't step on the gas in driving.

Please prevent unburned or partially burned fuel oil flowing into catalytic converter, especially when engine is extremely heated.

Avoid the following phenomena:

- Exhaustion of fuel oil.
- Keep starting the engine for a long period.

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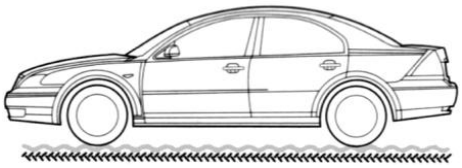
- Engine running when any cable joint of spark plug is removed.
- Start a car whose engine is in operating temperature with trolley or tractor.
- Turn off ignition switch in driving.

Parking



Don't park car, lay idle car or drive car on dry leaves or grass. Even when engine is turned off, potential fire hazard exists because exhaust gas will emit certain amount of heat for a short period.

In parking a car, don't use selector rod to substitute hand brake. Make sure that hand brake be pulled up tightly and selector rod be placed in the position "P".

Remember to turn off ignition switch when getting out of car. Turn off engine when nobody is in car; otherwise, your car may accidentally slide and incur personal injuries or property loss.

Chassis protection

Your car is equipped with insulating panel. Don't apply painting dressing to insulating panel, exhaust pipe or catalytic converter or the area close to these devices. Don't disassemble insulating panel.

Oil Consumption

Oil consumption is affected by the following factors:

Car speed and gear selection

When car speed is constant, the higher the gear is, the lower oil consumption will be; to keep low gear to improve acceleration will result in obviously higher oil consumption.

Mileage/engine temperature

Frequent cold start and short distance driving lead to obviously increased oil consumption.

Traffic and road conditions

Traffic congestion, climbing slopes, multiple detours and rough road surface unfavorably affect oil consumption.

Good driving habits

Foreseeing risks and keeping proper distance away from cars running ahead not only reduce oil consumption but also decrease wearing of brake and noises.

In case of level crossing congestion or waiting for red light for long, driver is advised to turn off engine.

Engine running idle for 3 minutes consumes the equivalent amount of fuel that can support a car to travel 1km.

Car load condition

Increase of car load leads to high oil consumption.

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Technical status

Over-low tyre pressure or improper maintenance of engine and vehicle also lead to high oil consumption.

Essentials about fuel saving and environmental protection:

- In driving, adhere to the principle of oil consumption economy, and resort to extra electric loads only when necessary.
- Start driving without previous warming-up of engine is proper.
- Step on the gas gradually in a smooth way.
- Shift in the next higher gear to achieve lower engine speed.
- Foresee traffic conditions.
- When unnecessary, immediately turn off air conditioner and windshield heating.
- Regularly check and adjust tyre pressure.
- Regularly implement car maintenance, and ask for help from Chery chartered service station for best results.

Radiator Fan

Radiator fan is electrically powered with its operating status controlled by engine ECU. When temperature of cooling liquid or engine compartment reaches certain level, the switch automatically connects to fan circuit.

Radiator fan continues to work for a while (about 10 minutes) as engine temperature takes time to fall after engine is turned off. But the fan can possibly restart

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abruptly due to drastic temperature rise in engine compartment influenced by external ambient temperature. Therefore, take extreme care when operating inside engine compartment to avoid accident occurrence.

Note:

When cooling liquid temperature rises to fan starting temperature and fan fails to start, check whether fan fuse is blown, and replace the fuse when necessary.

Fan rotation speed has nothing to do with engine rotation speed. Shift in a lower gear can not enhance cooling effect, therefore, to shift in a lower gear is unnecessary as long as engine operates steadily and car speed does not suffer obvious decrease in slope climbing.

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Chapter 10 Emergency Response

Emergency Response

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Warning Flasher

The warning flasher is for emergency use only to warn against vehicles in the front and those following that your car drops anchor or is in hazardous conditions.

Push the button to turn on or off it. When ignition switch is turned off, the warning flasher can be still operated.

Local operating function

The control system of the engine has local operating function. It can still work even the system has faults. However, engine performance might be degraded.

Head to Chery chartered maintenance point for inspection immediately.

Prompt Fueling

If fuel gauge indicates low oil level or the warning indicator is ON, add fuel immediately.

When fuel is at a low level, the low oil level warning indicator will be ON. Please head to the gas station nearest for fueling.

Unprompted fueling will result in loss of ignition and difficulty in startup, possibly incurring damages to the engine. Turn to Chery chartered maintenance point for emergency services immediately.

Please correctly use compressor gun for fueling.

- Insert a compressor gun into the fuel tank completely. Don't lay it beside oil filling port in a slanting way.
- If an automatic compressor gun is used for fueling, automatic shutoff of the gun indicates that the fuel tank has been fully filled. Don't attempt to keep on fueling at this time. Otherwise, there will be no expansion space in the fuel tank; once temperature rises, fuel will spill over the fuel tank.
- Screw down the fuel tank cup after fueling, please.
- Please comply with local pertinent laws & regulations when canned standby fuel is carried along with your car.
- For the purpose of safety, it is suggested that canned standby fuel be not carried along with the car to avoid that the oil cans are damaged to spill gasoline and result in fire disasters.

Bulb Replacement

Prior to replacement of any bulb, turn off the light and turn off ignition switch, and dismount anode of accumulator cell.

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Beware of electric shock!
For a vehicle with xenon headlight, bulb of headlight can't be replaced unless anode of accumulator cell is dismounted. Otherwise, you may get a high tension electric shock.

Don't touch upon bulb glass with you fingers directly. Otherwise, the fingerprint left thereon will be heated and volatile after the lamp is ON to be deposited on mirror surface and darken the reflector.

Use bulbs of the same type in replacement. Prior to installation, please examine the bulb specification.

It is suggested that a box of standby bulbs be carried along with the car for accidental conditions. Chery chartered service stations keep available bulbs of various specs. For the purpose of safety, the following bulbs of great importance to traffic safety should be carried:

Bulb for front headlight:

12V 55W

Bulbs for steering, reversing and rear fog lamps:

12V 21W

Bulbs for license plate, side steering and high positioned brake lamps:

12V 5W

Bulbs for brake/parking light:

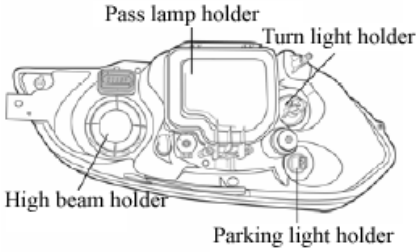
12V 21W/ 5W

Bulb for front fog lamp:

12V 55W

Calibrate the head light each time when its bulb is replaced.

Head light bank (high beam/passing lamp/parking light/turn light)



The head light bank must be dismounted for dismounting of any bulb above.

1. Open the power plant nacelle cover.
2. Dismount the three screw bolts that fasten the head light bank (with positions as indicated below).

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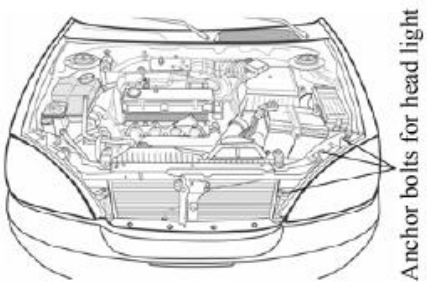
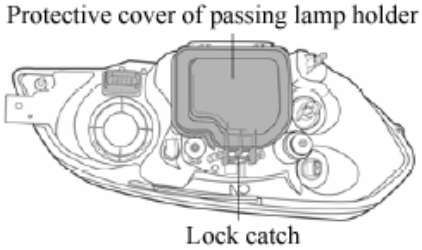


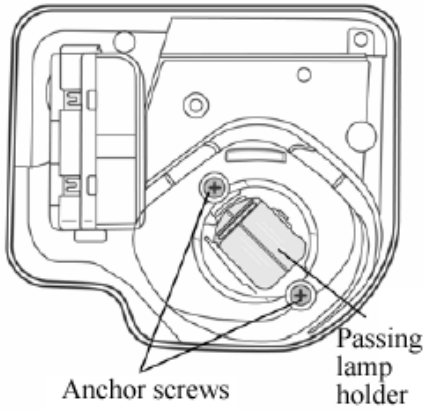
3. Pull out the head light bank carefully and disconnect cable joints.

High beam/passing lamp bulbs

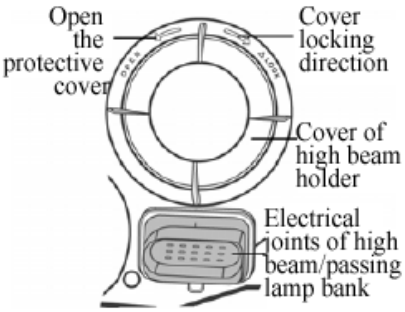
1. Push the lock catch of protective cover to dismount the cover of passing lamp.



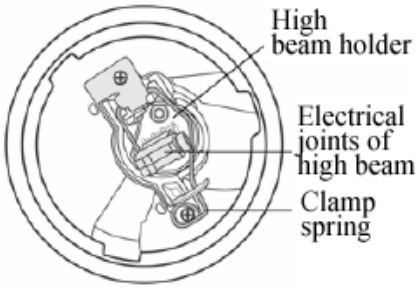
2. Dismount the anchor screws and pull out the lamp holder, replace the bulb damaged with a new bulb. Screw down the anchor screws and well install the protective cover of head.



3. Open the holder cover according to the direction indicated on the cover of high beam holder, as shown below.



4. The high beam holder can be pulled out when the clamp spring is released, as indicated below:



5. Pull out the plug, and take down the bulb damaged and replace it with a new one. Then, plug it in.

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6. Fix the bulb and high beam cover with the clamp spring.
7. Calibrate lamplight of high beam with headlight beam tester.

Notice:

Well fix the halogen bulb into the holder necessarily.

Bulb for front turn light

1. Rotate the holder anticlockwise and pull it out. Push the bulb with slight pressure, and rotate the bulb anticlockwise to take it out. Replace the bulb.
2. Install a new bulb in a reverse order.

Bulb for parking light

The dismounting method is the same with that of bulbs for front turn light.

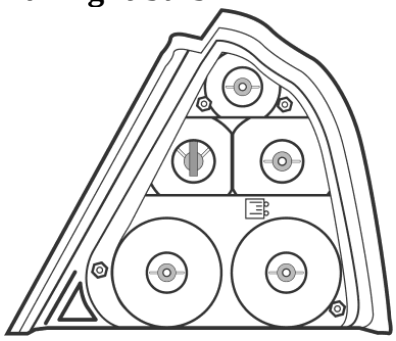
Side turn light (exterior rear-view mirror)

Turn to Chery chartered service stations for replacement, please.

Bulb for front fog lamp

Jack the car to replace bulb for front fog lamp from the back; or dismount the fog lamp for replacement. Thereby, you'd better turn to Chery chartered service stations for replacement of bulb for fog lamp.

Tail light bulb



1. Open the tail gate. Uncouple the back-kick holding-down clip of tail light bank cover inside the luggage compartment. Pull out the light bank slightly.
2. Screw off the holder in a direction reverse to the locking direction indicated on the holder to take it out.
3. Push the bulb with slight pressure and rotate it anticlockwise to take it out. Replace the bulb.
4. Install it in a reverse order.
5. Check if the light works regularly after installation.

Bulb for high positioned brake lamp

1. Open the tail gate, and dismount two cross recessed screws to know down the cover plate. Unshackle the electrical joints to take the lamp bank out, pull out the cover plate, and take the bulb out for replacement.
2. Install the bulb in a reverse order.

Bulb for license light

Position for installation: installed under the guard plate of license light.

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1. Dismount the tapping screws that fasten license light to take them down.

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2. Pull out the light holder and take down the bulb damaged.
3. Install a new bulb into the holder and install the holder into place.
4. Fasten the holder with the tapping screws.

Bulb for interior front/rear ceiling light

1. Turn off body light.
2. Insert screwdriver between lamp shell and lamp house to pry out the lamp house carefully.
3. Replace the bulb and keep reflecting mirror in place.
4. Install the lamp shell into mounting hole of the lamp house again.

Visor dressing glass lamp:

It's positioned behind the visor.

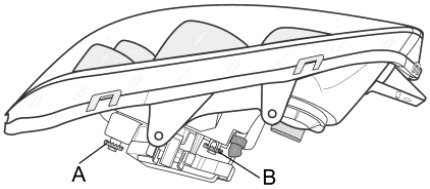
Pry out the glass block and replace the bulb.

Bulb for luggage compartment

Mounted position: Installed on the veil of left rear loudspeaker.

1. Extrude the position of A with your hand from back of the lamp; and cross the protruding step to dismount the lamp for luggage compartment.
2. Replace the bulb.
3. Install it into the mounting hole on the veil of loudspeaker.

Front headlight beam adjustment



Front headlight beam adjustment involves driving safety. Thereby, special instruments are allowed for beam adjustment only. Comply with relevant laws & regulations in adjustment.

Position of front headlight must adapt to load conditions of the vehicle.
Screw A - Vertical adjustments
Screw B - Horizontal adjustment
Indicated above is the screw for right headlight adjustment. Take down the protective cover of headlight in adjustment.
The screw for left front headlight adjustment is symmetrical with that for right headlight. The adjustment methods keep the same.

Fuse and Relay

Turn off ignition switch and all electrical equipment before fuse and relay are replaced.

Replace the defective fuse with a new fuse of the same rated value. The fuse box including primary fuse and relay is positioned as below.
Replacement of relay requires professional knowledge.

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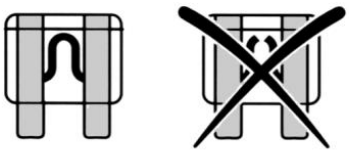
It is suggested that some standby fuse be carried along with the vehicle for emergency purpose.

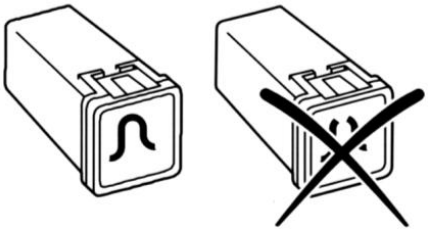
Chery chartered maintenance points keep available fuses of various specs.

Blown fuse is identified through that fuse is disconnected. All fuses are of thrust-in type.

Mini fuse



Fuse tube



Any authorized change to electrical or fuel system of automobile will affect automobile performance and possibly cause fire or safety hazards. It is hereby suggested that all work involving dismounting of fuel or electrical system or replacement of relay be implemented by Chery chartered maintenance points.

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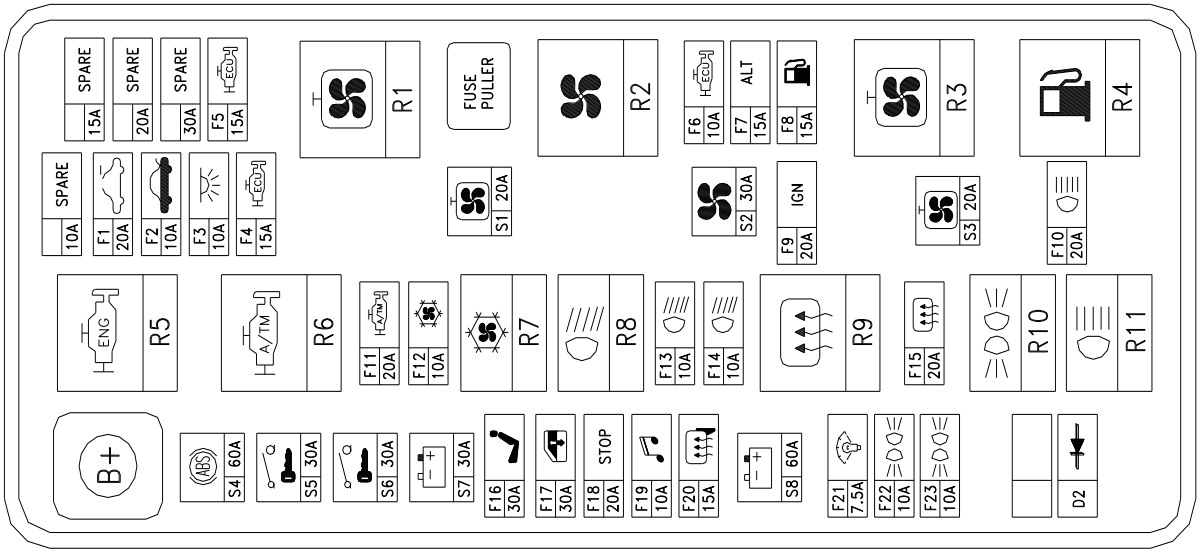
Fuse box for power plant nacelle (*Rather than Version 07)

It is positioned on the left of power plant nacelle and behind accumulator cell. Pull up the covering plate after releasing the latch to dismount the cover plate of fuse box.



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R1 fan relay	S2 air blower fuse	F4 fuel injector/carbon tank/air flow meter/camshaft position sensor	F14 passing lamp
R2 air blower relay	S3 fan fuse	F5ECU44, 45 and 63/oxygen sensor	F15 rear windshield defrosting
R3 fan relay	S4ABS fuse	F6 ECU/diagnosis interface	F16 seat adjustment
R4 oil pump relay	S5 ignition switch	F7 electric generator	F17 vehicle window
R5 engine relay	S6 ignition switch	F8 oil pump	F18 brake switch
R6AT relay	S7 fuse box	F9 for standby use	F19 radio
R7 air conditioning relay	S8 ISU power supply	F10 high beam	F20 rear-view mirror defrosting
R8 fog lamp relay	F1 ceiling/rear window curtain	F11 automatic transmission case	F21 dimmer switch
R9 defrosting relay	F2 luggage compartment switch	F12 air conditioning	F22 left rear tail light/left license light/left front small light
S1 fan fuse	F3 ceiling light/door lamp/key signaling lamp	F13 passing lamp	F23 right rear tail light/right front & rear fog light/right front small light

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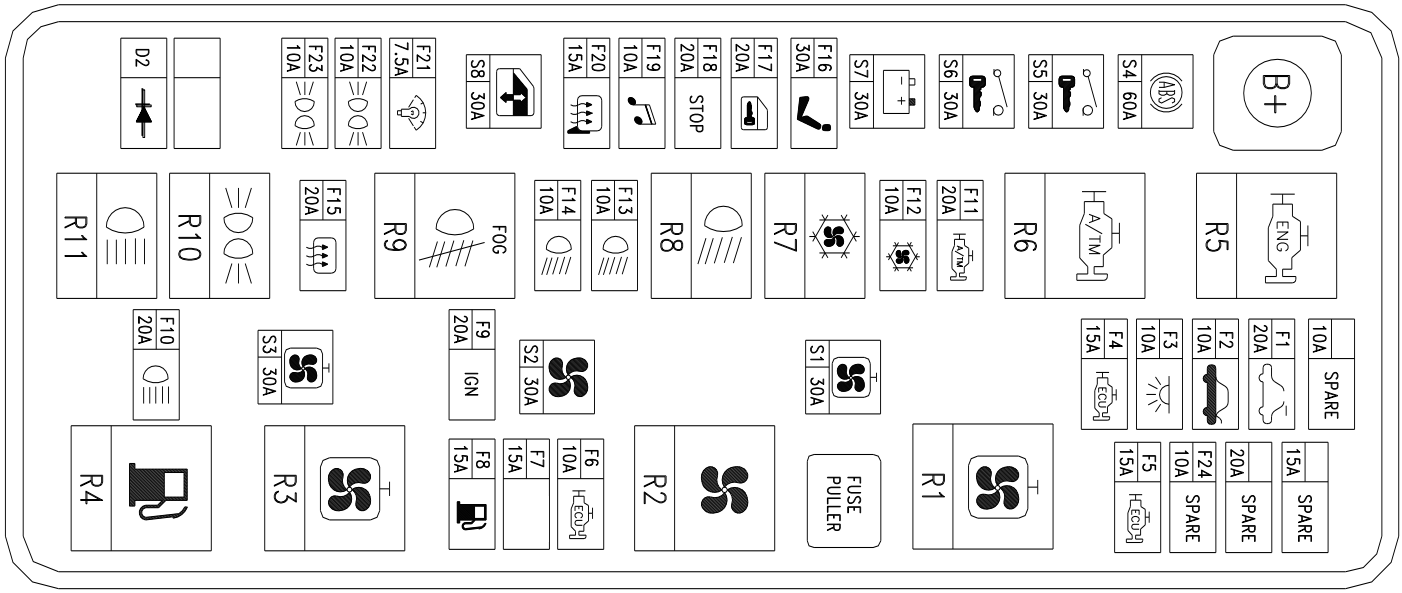
Fuse box for power plant nacelle (*Version 07)

It is positioned on the left of power plant nacelle and behind accumulator cell. Pull up the covering plate after releasing the latch to dismount the cover plate of fuse box in fuse check or replacement.



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R1 fan relay (low speed)	R11 high beam relay	F2 luggage compartment switch	F12 air conditioning	F21 dimmer switch
R2 air blower relay	S1 fan (low speed) fuse	F3 ceiling light/door lamp/key signaling lamp	F13 passing lamp	F22 left tail light/left license plate lamp/left front small light
R3 fan relay (high speed)	S2 air blower fuse	F4 fuel injector/carbon tank/air flow meter/camshaft position sensor	F14 passing lamp	F23 right tail light/right license plate lamp/right front small light
R4 oil pump relay	S3 fan (high speed) fuse	F5 ECU/oxygen sensor	F15 rear windshield defrosting	
R5 engine relay	S4ABS fuse	F6 ECU/diagnosis interface	F16 seat adjustment	
R6 automatic transmission relay	S5 ignition switch	F7 for standby use	F17 vehicle window	
R7 air conditioning relay	S6 ignition switch	F8 oil pump	F18 brake switch	
R8 passing lamp relay	S7 battery jar	F9 windshield wiper switch	F19 radio	
R9 front fog lamp relay	S8 BCM power supply	F10 high beam	F13 passing lamp	
R10 small light relay	F1 ceiling/rear window curtain	F11 automatic transmission case	F20 rear-view mirror defrosting	

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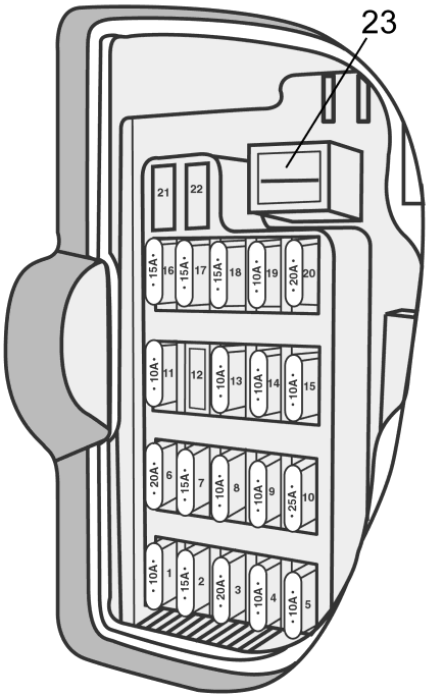
Fuse box of the instrument panel (Mitsubishi engine configured)



It is positioned at left nose nacelle to the left of the instrument panel. Fuse box cover can be seen immediately when the door at driver's side is opened. Replace the fuse after opening the cover.

Central fuse distribution box		
Fuse	Circuits protected	A
1	Rear-view mirror adjustment switch	10A
2	AV unit	15A
3	Seat heating and standby power supply	20A
4	Air conditioning control module	10A
5	Diagnosis device	10A
6	Glove box lamp and cigarette lighter	20A
7	Audio system	15A
8	Radio & recorder and automatic ceiling controller	10A
9	Windshield wiper cleaning controller	10A
10	Windshield wiper	25A
11	SRS airbag	10A
12	For standby purpose	10A
13	Automatic transmission control module	10A
14	ISU unit	10A
15	Air conditioning control module	10A
16	Primary relay	15A
17	Reversing light	15A
18	ABS control module	15A
19	ATC and ISU	10A
20	Air blower	20A
21	For standby purpose	10A
22	For standby purpose	20A
23	Safety clip	

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Fuse box of the instrumental panel (ACTECO engine configured)

It is positioned on the left of the instrumental panel. Fuse box cover can be seen when the door at driver's side is opened. Replace the fuse after opening the cover.

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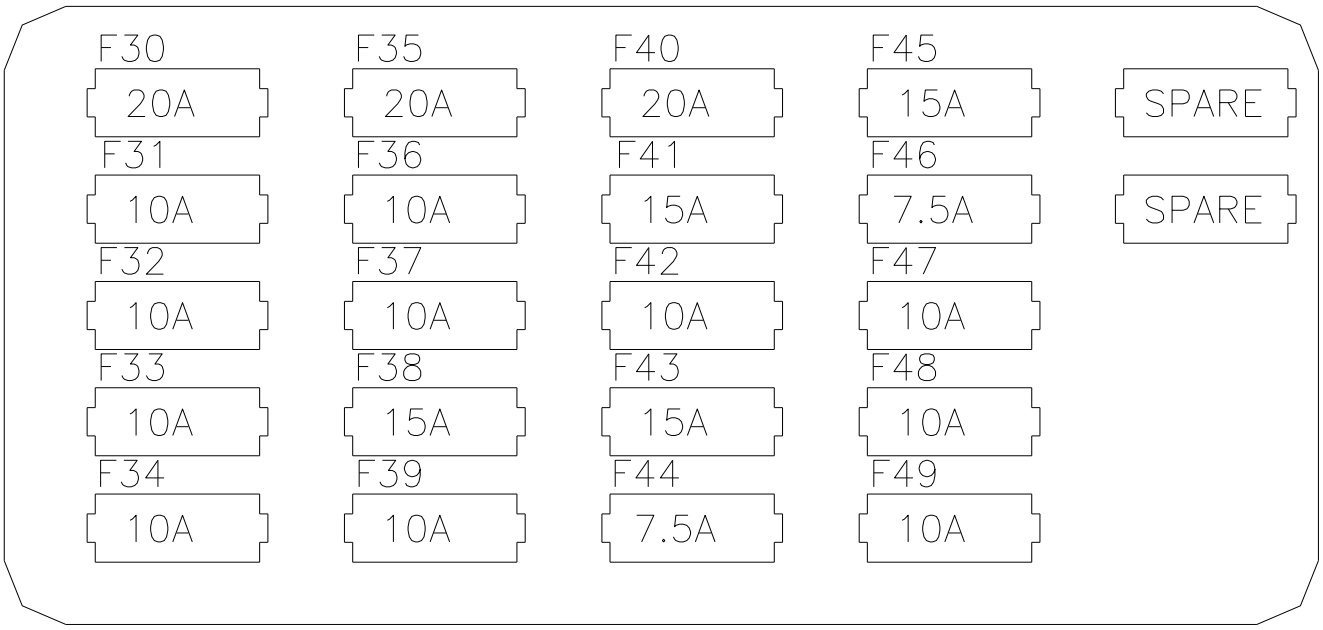

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F30 seat heating (for standby purpose)	F35 cigarette lighter	F40 seat heating	F45 reverse gear switch/engine theft protection module
F31 rear-view mirror/ceiling switch	F36 radio	F41ABS module	F46 ISU
F32 loudspeaker relay	F37 instrument/theft protection indicator	F42 ISU	F47 gearshift switch
F33 noctilucent switch/headlight relay	F38 windshield wiper motor	F43ECU13/driving speed sensor/ignition coil/air conditioning high and low-voltage switch	F48 air conditioning module
F34 front fog lamp relay	F39 washing motor	F44 instrument and light switch/ISU	F49 SRS airbag module

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Fuse replacement

Fuse color standard	
Color	Ampere
Grey	2
Purple	3
Pink	4
Brown	5
Auburn	7.5
Red	10
Blue	15
Yellow	20
Colorless	25
Green	30

Fuse tube color standard	
Color	Ampere
Blue	20
Pink	30
Green	40
Red	50
Yellow	60
Auburn	70
Black	80

Fuse drawbench is attached to your car. You can find it in the fuse box of power plant nacelle.

Vehicle Wheel Replacement

Please follow the precautions below before the car is jacked.

Park your car at an appropriate position. Please confirm that tyre replacement will neither affect traffic nor endanger your safety.

Please confirm that the vehicle is on the steady and level ground. If necessary, use appropriate wedge blocks to prevent the steering wheels for further fixation of your car.

Please confirm that front wheels point right ahead.

If the vehicle features automatic transmission, please choose the position “P”.

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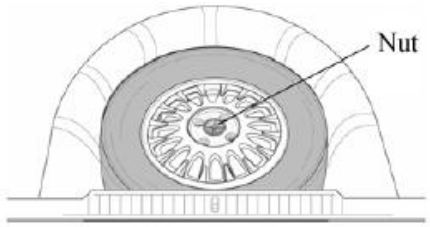
Spare wheel

If size of some wheel (whether it is a steel ring or tyre) differs from other wheels installed, please comply with the provisions below.

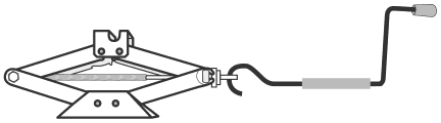
Spare wheels are located under the cover plate of luggage compartment bottom board.



1. Lift the cover plate of luggage compartment bottom board.
2. Unscrew the screw bolt fully.
3. Take the spare wheel out.

Lifting jack attached

To jack the car with a lifting jack is only used to replace vehicle wheels. Don't operate under the vehicle.



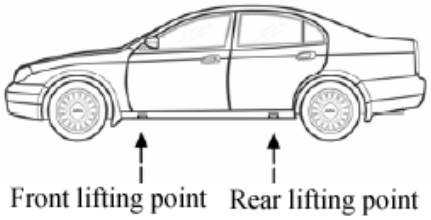
The maximum working load is 1200kg for lifting jack.

Lifting jack is placed within the storage tank on the left of luggage compartment.

Triangle warning plate

Triangle warning plate is placed in the luggage compartment.

Lifting points



Lifting jack can only prop up the car at the particular groove part beneath the chassis above.

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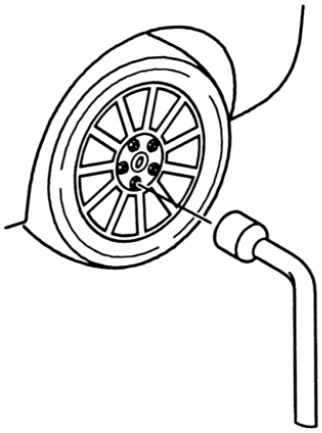
Wheel dismounting

1. Confirm that front wheel points right ahead.
2. Turn off ignition switch.
3. Please select the position “P” for automatic transmission.
4. Ask passengers to leave the car.
5. Turn on hazard warning flasher and pull up hand brake.
6. If necessary, use appropriate wheel limit stop to fix the vehicle to prevent rolling or sliding.
7. Insert the slotted point screwdriver between steel ring and hub cap and then twist it to dismount the hub cap.
8. Erect a triangle warning plate 100m distant from the vehicle.
9. Use special tools to unscrew wheel nuts, as indicated below.



10. Place the lifting jack to ensure the whole pedal side is on the hard ground.
11. Lifting jack must prop up the lifting point vertically.
12. Prop up the vehicle until wheels leave the ground.
13. Dismount wheel nuts and then take down the wheel.

Wheel installation

6. Push the wheel into the wheel bolt, screw down wheel nuts clockwise, and fasten the wheel.
7. Jack down the vehicle and remove the lifting jack.
8. Screw down wheel nuts fully in the diagonal mode.
9. Press in the hub cap steadily with both hands.
10. Keep the lifting jack and defective wheel into place in a reverse order and fix them.
11. Turn to Chery chartered maintenance points for inspections of wheel nut screwing torsion and tyre pressure.

Accumulator Cell

Safety tips

The following preventive measures are necessarily adopted in transportation of accumulator cells.

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- Accumulator acid is corrosive. Wear gloves and eye protector. Don't let acid or lead touch upon your skin or clothes. Don't tilt an accumulator cell because acid liquor may flow out through gas vent. If acid liquor is splashed into eyes, please rinse the eyes with clean water for several minutes and go to hospital immediately. If acid liquor is splashed on skin or clothes, neutral the acid liquor with alkaline water (soap water) and then wash it with clean water. If acid liquor is swallowed, please be hospitalized immediately.

- Keep children distant from accumulator acid.

- Accumulator cell releases explosive gas when charged.

- Open fire, sparkles and smoking are forbidden. Please avoid sparkles in wiring and electrical operations. Don't connect electrodes; otherwise, the short circuit resulted therefrom will produce sparkles and incur injuries.

- Electronic ignition system has high voltage built in. Don't touch upon these components when the engine runs or ignition switch is turned on.

Dismounting and mounting

The following preventive measures are necessarily adopted in dismounting and mounting accumulator cells.

- Your car is equipped with the lead-acid accumulator free of maintenance (12V, 65Ah).

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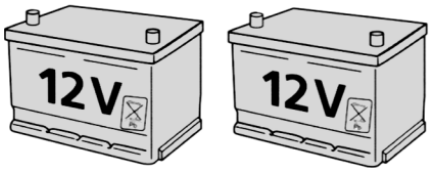
- Accumulator cell is replaced with the lead-acid accumulator instead of other types of accumulator cells. Current and capacity of new accumulator cells must comply with those of old accumulator cells or Chery specifications. Consult Chery chartered maintenance points for correct specifications of accumulator cell.
- Dismount the cathode (-) cable firstly after ignition switch and all electrical devices have been already turned off.
- Please avoid carefully that metallic tools touch upon both electrodes of accumulator cell simultaneously or touch upon the anode and vehicle body accidentally.
- Connect the anode (+) cable firstly and then the cathode cable in reconnecting accumulator cells.
- Automobile may show some abnormalities in performance in early period of driving after accumulator cell is dismounted and reconnected. This indicates that the control system of engine is re-adapting to the engine. It can be ignored.

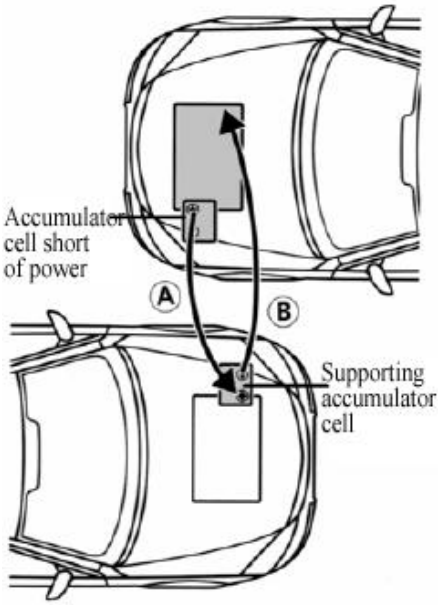
Used accumulator cells contain sulfuric acid and lead. They can't be discarded as ordinary domestic waste. Please send them to local waste disposal stations qualified.

Engine Jump-starting Procedures

Accumulator cells with same rated voltages (12V) can be connected only. Use the jumper wires with insulating clips and the cables of appropriate dimension. Don't dismantle accumulator cells from the electrical system of your car.



Lead wire connection



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1. Park two cars appropriately to make them not touch each other.
2. Turn off ignitions of both vehicles. Turn off all unnecessary electrical devices.
3. Connect the positive (+) post of the accumulator cell short of power to that of supporting accumulator cell via conductor A.
4. Connect one end of conductor B to the negative (−) post of supporting accumulator cell and the other end of conductor B to the metallic part of the engine to be started.

To be connected to the negative (−) post of the accumulator cell short of power is forbidden.

5. Confirm that jumper cable won't interfere with operating parts of the engine.

To start the engine

In order to reduce voltage surge in dismounting, put through the fan and electric heating switch (rear windshield), please.

Don't illuminate the head light to replace heating-type windshield glass. Voltage surge may damage bulbs.

1. Engine of the vehicle with supporting accumulator cell runs at a high speed appropriate.
2. Start up the engine of the vehicle with an accumulator cell short of power.
3. Run the two cars for 3 minutes before lead wires are removed.

Lead wire removal

- Remove the conductor B (-) firstly and then the conductor A (+).

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Breakdown Trailer

The vehicle is equipped with trailer rings fore and aft for installation of towing ropes.

Slowly and smoothly run to avoid bouncing of trailer and your car in towing. Too large tractive force of towing ropes may damage your car.

Ignition switch of the vehicle towed should be set at the position "ON" to ensure that steering wheel, turn light and brake light can all work. Due to loss of ignition of the engine, there are no braking and steering boosting forces. As a result, the operating forces required are larger. The forces for braking and steering should be enhanced accordingly.

To tow AT cars

In towing an AT car, gearshift lever of the vehicle towed must be positioned at the position "N" (neutral). Speed of a trailer shouldn't exceed 50km/h with a distance not beyond 50km. If long-distance towing is required, the driving wheels should be elevated from ground. In towing, the vehicle towed must head forward.

The vehicle towed can't head backward to rotate driving wheels in towing; otherwise, automatic transmission may be damaged. An AT car can't be started through the towing method. Please adopt jump-starting using jumper wires.

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Chapter 11 Servicing & Maintenance

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Servicing & Maintenance

The sedan car you drive is made by Chery Automobile, and features superb safety and comfort, outstanding dynamic performance and economic efficiency. Regular reception of cover-all servicing & maintenance at Chery chartered service stations is advised as recommended in Manual and maintenance regulations so that you can always have your car in its best running status. All Chery chartered service stations sincerely promise to deliver to you best services.

Please use engine oil, gasoline, brake liquid and antifreeze liquid as exactly recommended in this Manual lest possible damages happen to your car. Service life of your car can only be extended when using original parts and materials as recommended by Chery chartered service stations. Hereby, we call for your special attention to the fact that original parts belonging to Chery Automobile are available only at Chery chartered service stations throughout the country and it is only from those service stations that you can obtain the original parts.

Regular maintenance is a must-do procedure during your daily driving process. The Manual makes available to you detailed maintenance arrangements (see regular maintenance regulations hereunder), including the first-time free service delivery. Please strictly conform to those arrangements in the Manual when undertaking maintenance so that your car keeps running in best performance and status, hidden troubles immediately spotted and cleared to prevent failures, and service life effectively extended. Please carefully read the detailed elaborations hereunder on the regular methodology of maintenance, trouble detection and prevention.

Chery Authorized Service Station is the solely authorized professional maintenance point (MP) of Chery Automobile. Service staff receives strict and professional training before they are trusted to deliver the best after services. In case that service effect at Chery chartered service stations in or near your neighborhood falls short of your expectations or proves to be unsatisfying, please directly write to: after service dept., Chery Automobile Co., Ltd., EDZ, Wuhu, Anhui, or call customer service hotline: 4008838888, and we will try whatever in our utmost capacity to provide our best service. Remember to clearly indicate in letter the information about model, chassis number, engine number, mileage, and car acquisition date.

Servicing & Maintenance

Servicing & maintenance falls into two categories, daily maintenance, done by car owners independently and regular inspection and maintenance, completed by Chery chartered service stations.

Chery as the Permanent Service Provider

In order to maintain vehicle reliability and driving performance, please conform to regular maintenance arrangements in this Manual. Taking Chery as the permanent service provider is recommended.

Must-do Checks

Regularly check liquid level and add liquid and oil when necessary; check tyre pressure, and working status of lights and braking system; check warning lamp; refer to Regular Maintenance Arrangement Table.

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The tank of braking liquid, cooling liquid and power steering liquid is translucent containers to inspect quickly and visually.

High voltage is present in electronic ignition system; do not touch these parts when engine runs or ignition switch is turned on.

Prior to operations in engine compartment, turn off ignition switch; take care to avoid having clothes (possibly ties in particular) entangled into cooling fan or driving belt as cooling fan may run into automatic operation though ignition switch is off.

Conventional Maintenance

Fuel oil, grease and engine oil residuals may get washed off when washing engine.

Only use car wash area causing no damage to ecological drainage system.

For the disposal and treatment of used engine oil, braking liquid, antifreeze liquid, accumulator cells and tyres, deliver the same only to eligible waste material processing entities or make inquiries about replacements to concerned manufacturers and suppliers of the same products; do not dump the waste as part of domestic refuse or drain off the same into public drainage system.

Environmental protection is a concern for all and calls for effort from all.

Maintenance Arrangement Table

Daily Check:
Operating status of external and internal lights; replace burnt-out or dim bulbs; make sure that all lens are clean.
Check When Adding Fuel Oil:
• Engine oil level • Braking liquid level • Windshield detergent level • Tyre pressure and condition (cold condition only) • Check against frayed and bent pipes in crankcase ventilation system

Monthly Check:
• Cooling liquid level (engine under cold condition) • Leakage in engine assembly, pipes, tubes and oil tanks • Power steering oil level • Air conditioner operating status* • Hand brake operating status • Horns operating status

NOTICE:

Air conditioner shall operate at least for 30 minutes every month.

Engine oil, lubricant grease and oil liquid shall be kept away from children's reach; avoid contact between human skin and used engine oil as provided in Safety Instruction on containers.

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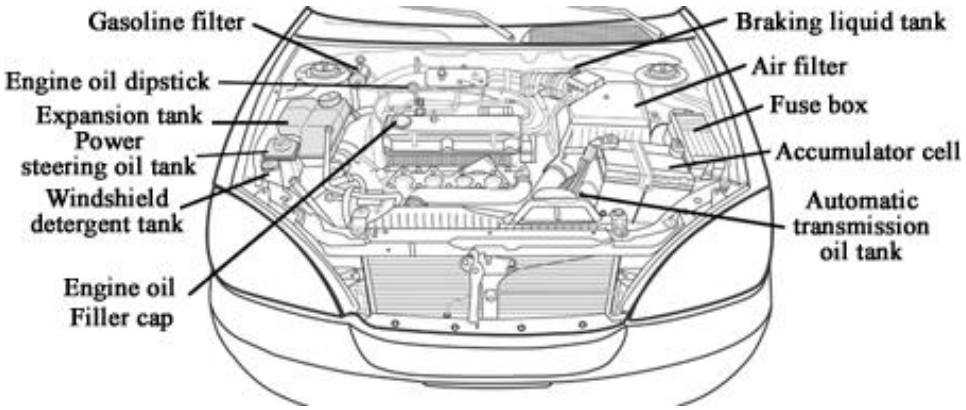
Engine Compartment Maintenance Job (Mitsubishi engine)



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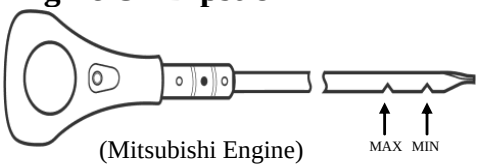
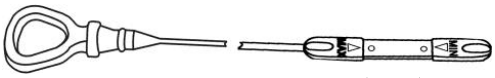
Engine Oil Dipstick



(Mitsubishi Engine)



(ACTECO Engine)

Engine oil consumption is influenced by multiple factors. A new engine usually reaches normal oil consumption around 5,000 km. Engines in high load operation consume much more oil than usual.

Regularly check engine oil when making new additions or prior to long distance driving.

Drive and park your car on flat ground when checking engine oil; turn off ignition switch and wait for several minutes for engine oil to flow into oil sump (as temperature outside car may happen to be unusually low or engine temperature needs more time to reach operating level). Prior to engine oil check, do not start engine. Draw out dipstick and wipe the same clean with lint free cloth, restore to its position and draw out again.

In case of oil level between MIN mark and MAX mark at the lower end of dipstick, oil filling is unnecessary. Hot engine oil may expand and exceed by several millimeters the above gap marks.

In case of oil level at or below MIN mark, add engine oil qualified for Chery designated specs till oil level rises to stay between MIN and MAX. For details, refer to “Capacity and Specs”.

Engine Oil Filler Cap

(Mitsubishi Engine) (ACTECO Engine)

Turn filler cap in anticlockwise direction and draw the same out to open the same. Do not open filler cap when engine is running.

Do not use oil additive or engine treating agent, which are unnecessary and may cause damages to engine, which is not covered by warranty promise.

Turn filler cap clockwise until you hear a cracking sound to close the same.

Empty waste engine oil containers shall not be discarded together with domestic refuse. Please resort to eligible local waste disposal facilities to discard the containers.

Braking Liquid/Clutch Oil

Take care to avoid contact between human skin and eyes with the liquid; in case of such contact, please wash the affected parts with water and immediately resort to medical treatment.

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Braking liquid and clutch oil are supplied with the same tanks.

Oil level shall be kept between MIN mark and MAX mark on one side of oil tank. In case of oil level falling down to MIN mark, braking liquid level warning lamp shall light up.

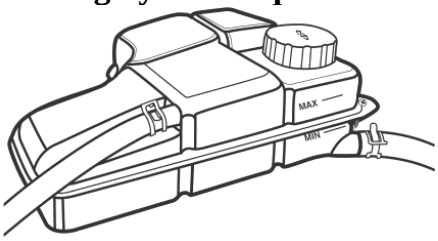
Only braking liquid qualified for Chery designated specs is eligible for filling. Refer to “Capacity and Specs”. In case of system leakage, send concerned parts to and ask for check job from Chery chartered service stations.

When adding braking liquid, make sure that the same is purely clean.

In case of contact between painted surfaces and oil liquid, please wipe the surfaces with wet sponge or wash the same with enough water.

Mark on the back of braking liquid tank indicates wax free braking liquid.

Cooling System Liquid Tank



Do not open tank cap when engine runs in extreme heat.

Watch cooling liquid level through translucent tank. When engine is in cold condition, cooling liquid level shall remain between MIN mark and MAX mark. When engine warms up, cooling liquid expands and liquid level rises to exceed MAX mark.

Add cooling liquid only when engine is under cold condition. In case of filling when engine temperature substantially rises, wait for 10 minutes in the first place for engine temperature to cool down. Turn loose tank cap by a quarter turn to release pressure. Wait for some time and completely open tank cap. Mix water with cooling liquid by 50 to 50 and add the mixture into tank.

Take utmost caution when adding cooling liquid to avoid spill of the same onto any part.

Engine Cooling Liquid

Take care to avoid contact between human skin and eye with the liquid. In case of such contact, please wash the affected parts with water and immediately resort to medical treatment.

The fact that modern engine frequently operates under extreme high temperature conditions renders inferior cooling liquid incapable of providing adequate protection against corroding effects. Therefore, it is of great importance to use cooling liquid with the right strength, which not only protects engine from cold exposure but also renders year-round protection against corrosion.

Please use eligible cooling liquid qualified for Chery designated specs. Refer to “Capacity and Specs”.

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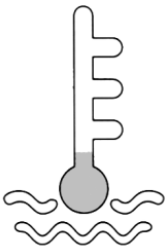
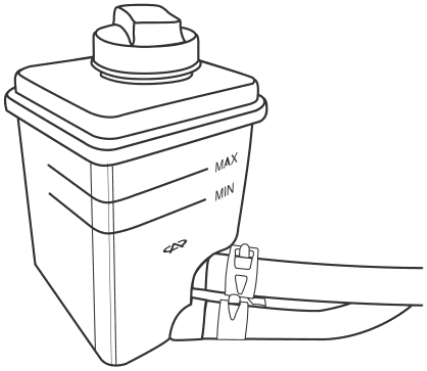
Do not cross-use cooling liquids of different colors and specs.

Add Cooling Liquid When Engine is under Cold Condition



Power Steering Liquid Level Check

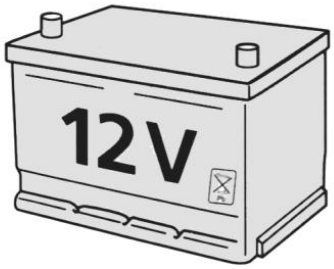


Liquid level shall rise to MAX mark when engine is under cold condition.
In case of liquid level below MIN mark, add designated oil liquid.

Automatic Transmission Oil Level

Chery chartered service stations will check automatic transmission oil level when delivering routine maintenance procedure.

Accumulator cell



Accumulator cell calls for occasional maintenance. Liquid level is checked during routine check procedure.
Accumulator cell exempted from maintenance procedure is available for your car. Accumulator cells of all other different models are not recommended. Current properties and capacity of new and old accumulator cells shall be in conformity. For information on the right cell specs, please consult Chery chartered service stations.

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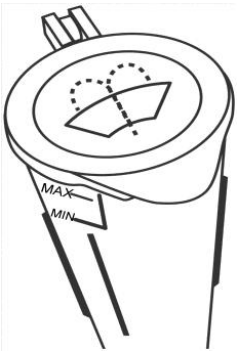
Windshield Washer System

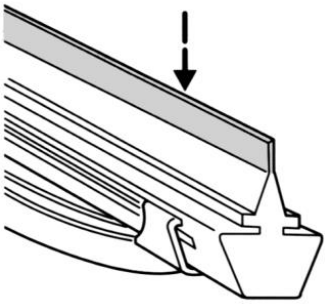


Front and rear washer systems share one same water tank. Mix clean water with windshield cleaner at the ratio of 1 to 20, if necessary.

Refer to instructions on container to determine the right strength.

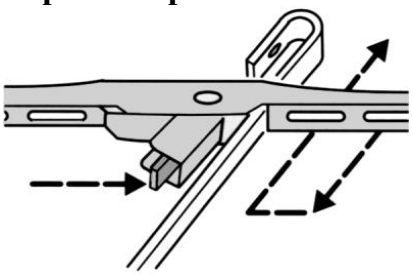
Please close tank cap after completing filling.

Check Wiper Blade



Slide finger tips along wiper blade edge to check its roughness. Grease, silicon resin and fuel may cause wiper blade failure. Cleaning of wiper blade with glass cleaner is recommended.

Replace Wiper Blade



Hold up wiper arm in perpendicular position to wiper blade. When removing wiper blade, press down fixture clip along arrow direction; draw off wiper arm in opposite direction after loosening wiper blade.

Tyre

Safety Considerations

When adding fuel oil, please check tyre pressure (including spare wheel) after tyre temperature cools down. Refer to “Capacity and Specs” for details on suggested tyre pressure.

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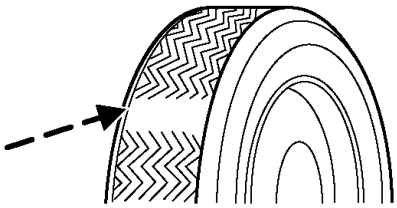
When driving with heavy load and at high speed, special attention should be paid to conformity with correct tyre pressure. Insufficient tyre pressure undermines stability, increases rolling resistance, exacerbates tyre abrasion, and may lead to traffic accidents.

When driving on road borders, drive slowly and try to approach road borders with tyres in perpendicular positions to the former; avoid standing and sharp-edge obstacles; do not scratch tyre sidewalls.

Regularly check against cuts, extraneous objects and materials and uneven abrasions on tyre surface. Uneven tyre treads suggest incorrect wheel alignment.



Tread wear depth has been legally limited. Abrasive belt is confirmed when wear depth reaches 3mm, which indicates greatly reduced tyre performance and safety and stipulates replacement.

Worn-out tyres shall be disposed according to local environmental protection regulations. Once road conditions being satisfied, immediately replace winter tyres with summer ones so that oil consumption and noise level are lowered.

Tyre Replacement

Unsuitable tyres and steel rings cause accidents and are not covered by warranty provisions.

Tyres for you car have been selected through and with careful considerations for best driving controllability, comfort and safety. The tyre-rim arrangement aforesaid applies to steel or aluminum alloy rim. For information on whether tyres and rims of other different types apply to the car model, please consult Chery chartered service stations.

Use of original tyres is strongly recommended or you may refer to proposals from Chery chartered service stations.

When installing non-standard tyres or rims (for example, light alloy rims or winter tyres), relevant directions shall be followed or reference to proposals from Chery chartered service stations be made.

NOTICE:

Speedometer is influenced by tyre sizes. In case of non-original tyre size (diameter), send your car to Chery chartered service station to adjust speedometer lest incorrect speed reading occurs.

Snow Chain

Snow chain applies to all summer and winter tyres listed in the table but only to driving wheels (front wheels).

Do not drive faster than 50km/h when using snow chain.

Immediately remove snow chain when driving onto snowless roads.

When using snow chain, driving

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performance of cars with antiskid control system may suffer some abnormalities, which shall be reasonably addressed by shutting down the same system.

To avoid damages to full diameter hubcap, remove the same before installing snow chain.

Restore wheel cover after removing snow chain.

Wheel Train Belt

The fact that driving belt is among the most severely strained car parts dictates that belt quality must be reliable and superior to meet high operating demands.

When replacing driving belt, size conformity is not adequate for safety consideration and original belts made by Chery Automobile are the best recommended choice. Driving belts applicable to and adequately qualified for safety considerations are available at Chery chartered service stations.

Driving Belt Tightness Check

NOTICE:

After being used for some time, driving belt will naturally extend in length till the problem of excess looseness occurs to cause trouble or damages to your car; therefore, driving belt tightness shall be checked once every 1000 km driving distance.

Checking Procedure

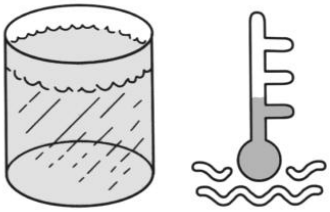
1. Turn off ignition switch and take off key.
2. Thumb-press upon the middle part of belt (about 100N force applied) to check belt deflection.
   Maximum deflection toleration: 10mm.
3. In case of maximum deflection toleration being exceeded, please immediately resort to adjustment at authorized service stations.

Car Wash

Washing materials shall not be discarded together with domestic refuse. Please resort to local waste treatment facilities.

Use only car wash area with eco-friendly drainage system. Use of clean water is the key to protect the paint work of your car.

Use only cold water or tepid water when washing your car.



Automatic Car Washer

The best choice is a brushless wash in a well-equipped car wash station. You may choose a car wash station where high pressure water is available to spurt strong waterflow into your car.

Turn off warm air blower before driving in automatic car washer.

Manual Wash

Please thoroughly flush your car with adequate amount of water and wipe your car clean and dry when using car washing detergent.

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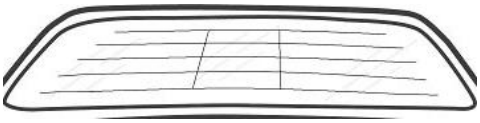
After car wash, please slightly step on brake pads several times when driving to remove water from brake disc.

Cleaning Head Light

To prevent damages to plastic lens of head light, do not use corrosive abrasive or chemical solvents. Do not wipe head light when lens surface is dry or clean lens with sharp objects.

Cleaning Rear Windshield Glass



When cleaning rear windshield glass, use only soft cloth to avoid damages to heating elements and radio antenna. Do not use solvents of whatever kind or sharp objects to clean glass.

Chassis Anti-Corrosion Treatment

Anti-corrosion treatment has been applied to chassis. Regularly check anti-corrosion protection and when necessary ask for maintenance from authorized service stations.

Wash Wheels

According to driving distance, wash and clean car wheels once every week to avoid dust and dirt concentrating on brake. Use washing detergent or warm water and soft sponge; do not use abrasive materials so that damages to especially finished surface can be avoided.

Cleaning Products

Please use car maintenance products in the right manner to achieve best cleaning results.

Depainting Treatment

Damages or slight scratches to paintwork caused by gravels on road surface shall be handled by Chery chartered service stations.

To guarantee the endurance of paintwork, clear off any harmful objects and materials, such as birds' droppings, resin, residuals left by insects, tar spots, snow-thawing agent and industrial fallen pollutants, etc.

Paintwork Protection

Wax your car's paintwork once or twice every year to keep it smooth and prevent small water drops from residing on the same.

When polishing your car, take care to avoid contact between polish and plastic surface lest cleaning difficulty ensues. Do not polish your car in strong sunlight.

Leather Facing Maintenance

Use only suitable leather cleaning materials and detergents.

Use wet cotton cloth and towel to wipe leather surface and wipe dry the same with clean soft cloth. Use neutral detergent when cleaning extremely dirty surfaces, such as soap lather detergent.

Leather maintenance with dedicated leather curing agent once every six months is

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recommended during regular use.
Do not over-wet leather and take special care to prevent water from flowing into gaps.

Regular Maintenance Regulations

Please drive your car to Chery chartered service stations to receive maintenance services when your car has covered certain mileage as specifically defined by Chery Automobile. Chery chartered service stations will deliver maintenance services according to the service list of “99

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Items" as designated by Chery Automobile

Order	Description	Remarks		
		5,000	15,000	30,000
1	Install "Three cases and one cushion"	★	★	★
2	Record in detail oil mass and mileage	★	★	★
3	Check car appearance	★	★	★
4	Clue on keeping of valuables	★	★	★
5	Issue work order	★	★	★
6	User signs after check	★	★	★
7	Deliver work order to workshop staff	★	★	★
8	Check head light	★	★	★
9	Check passing light	★	★	★
10	Check high beam	★	★	★
11	Check left front turn light	★	★	★
12	Check right front turn light	★	★	★
13	Check warning lamp	★	★	★
14	Check fog light	★	★	★
Order	Description	Remarks		
		5,000	15,000	30,000
15	Check finished	★	★	★

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16	Check high and low-sounding horns	★	★	★
17	Check back lights	★	★	★
18	Check rear brake light	★	★	★
19	Check left rear turn light	★	★	★
20	Check right rear turn light	★	★	★
21	Check rear warning lamp	★	★	★
22	Check rear reversing light	★	★	★
23	Check rear fog light	★	★	★
24	Check license light	★	★	★
25	Check finished	★	★	★
26	Check steering wheel	★	★	★
27	Check air conditioner buttons	★	★	★
28	Check air port ventilation	★	★	★
29	Check indicator lights on instruments	★	★	★
30	Check parking handle controllability	★	★	★
31	Check gear lever status	★	★	★
32	Check clutch pedal	★	★	★
Order	Description	Remarks		
		5,000	15,000	30,000
33	Check brake pedal and accelerator pedal	★	★	★

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34	Check front and rear wiper blades and nozzles		★	★
35	Check instrument desk buttons	★	★	★
36	Check CD player and speaker	★	★	★
37	Check front ceiling light	★	★	★
38	Check rear-view mirrors on both sides	★	★	★
39	Check central locking system	★	★	★
40	Check electric glass lifters on all doors	★	★	★
41	Check sun shield, saucer and ashtray	★	★	★
42	Check cigarette lighter, sundries box, electronic clock	★	★	★
43	Check driver seat, safety belts, front door switch and door lock hinge		★	★
44	Check left rear door glass lifter switch, door switch, door hinge, seat and safety belt		★	★
45	Check right rear door glass lifter switch, door switch, door hinge, seat and safety belt		★	★
46	Check right front door glass lifter switch, door switch, door hinge, seat and safety belt		★	★
47	Open rear door, check door lock hinge, driver tools and spare tyre	★	★	★
48	Open engine hood	★	★	★
49	Install fender hood	★	★	★

Order	Description	Remarks		
		5,000	15,000	30,000
50	Check air filter element	★	★	★

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51	Check spark plug gap and its combustion status		★	★
52	Check power assisted steering oil	★	★	★
53	Check windshield glass detergent	★	★	★
54	Check and measure engine cooling liquid	★	★	★
55	Check accumulator cell		★	★
56	Check transmission oil mass	★	★	★
57	Check engine oil mass	★	★	★
58	Check braking oil level	★	★	★
59	Check timing belt			★
60	Check dynamo belt	★	★	★
61	Check air conditioner pipes	★	★	★
62	Check cooling pipes	★	★	★
63	Check oil leakage in the upper part of engine	★	★	★
64	Check engine harness	★	★	★
65	Check shock absorber	★	★	★
66	Loosen tyre bolts	★	★	★
67	Support vehicle	★	★	★
Order	Description	Remarks		
		5,000	15,000	30,000
68	Raise vehicle for the first time	★	★	★

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69	Disassemble tyres			★
70	Check brake disc			★
71	Check whether hub bearing produces abnormal sounds		★	★
72	Check tyre pressure and external appearance	★	★	★
73	Switch tyre position			★
74	Check spare tyre pressure and appearance	★	★	★
75	Raise again vehicle	★	★	★
76	Discharge used engine oil and replace oil plug	★	★	★
77	Change new engine oil filter and clean engine bottom	★	★	★
78	Change gear box oil and clean gear box			★
79	Change gasoline filter			★
80	Check chassis bolt moment		★	★
81	Check rear axle and oil tank	★	★	★
82	Check whether leakage happens to pipes related to chassis	★	★	★
83	Check drive shaft and tiebar	★	★	★
84	Check whether drive shaft universal joint sheath is broken	★	★	★
85	Check whether tiebar universal joint assembly sheath is broken	★	★	★
Order	Description	Remarks		
		5,000	15,000	30,000
86	Check knuckle buttonhead sheath and gap	★	★	★

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87	Put down vehicle	★	★	★
88	Tightening wheel nuts and replace spare tyre and driver tools			★
89	Add engine oil in designated amount	★	★	★
90	Turn on engine for 3 minutes	★	★	★
91	Test engine computer and sensor	★	★	★
92	Turn off engine and wait for 90 seconds to confirm engine oil level	★	★	★
93	Raise vehicle again, check engine oil filter, oil sump, oil drainage bolt and gear box for oil leakage and put down the vehicle again	★	★	★
94	Test-drive vehicle and collect test results and fill the same in work order	★	★	★
95	Wash car	★	★	★
96	Accompany users to check their cars and make payments	★	★	★
97	Remind users to take maintenance next time	★	★	★
98	Take off “three cases and one cushion”	★	★	★
99	Express thanks to users and see them off	★	★	★
Note: Change gear box oil for every manual gear box once a driving year or when mileage reaches 30,000 km; braking liquid must be changed once every two driving years or when mileage reaches 5,0000 km.				

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Maintenance Service Card for the First 5,000 km Driving Distance
(or effective within six months after purchase)

Date: _____
Mileage: _____
Purpose: _____
License plate NO.: _____
Stamped by (service station)

Signed by _____
(car owner)

CHERY

Stamped by service station

Car Information

Car owner: _____
Company (name):_____
Address: _____
Tel.: _____
E-Mail:_____
Purchase date:_____
Purpose: _____
License plate No.:_____

Chassis No.

Model

Model Description

Engine No./Gearbox No.

Paint Designation/Internal equipments

Optional parts

Note: Free maintenance service for the first 5,000 km driving distance or effective within 6 months after purchase is delivered on the earlier date between both.

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Free Maintenance Service Card for the First 5,000 km Driving Distance (or effective within 6 months after purchase)

Date: _____ Mileage: _____

Check jobs:	NO	YES	Check jobs:	YES	NO
1. Check whether leakage occurs in lubricating system, cooling system and fuel system	☐	☐	10. Check tension of dynamo and air conditioner belts and adjust the same when necessary	☐	☐
2. Change engine oil and filter	☐	☐	11. Check bonnet hinge and dead bolt.	☐	☐
3.Check cooling liquid level, add cooling liquid when necessary or adjust cooling liquid level	☐	☐	12. Check against air conditioning system leakage	☐	☐
4.Check against transmission oil leakage	☐	☐	13.Check against power steering pipe leakage and make additions of power steering oil	☐	☐
5.Check against damaged tiebar dust cover	☐	☐			
6.Check against damaged transmission shaft constant velocity universal joint dust cover	☐	☐	14. Check the installation of and possible damage to steering universal joint dust cover	☐	☐
7.Check against braking liquid leakage and damaged brake duct	☐	☐	15. Check against inflexible gear switch of manual transmission.	☐	☐
8.Check against nonworking brake cylinders	☐	☐	16. Check loosened bolts connecting chassis and body.	☐	☐
9.Check against abnormal tyre inflation pressure			17. Check control arm ball pin and tiebar ball pin	☐	☐

Note: Free maintenance service for the first 5,000 km driving distance or effective within 6 months after purchase is delivered on the earlier date between both.

Maintenance Service Card for the First 5,000 km Driving Distance

Date:_____
Mileage:_____
Purpose: _____
License plate No.: _____

Stamped by service station

Signed by _____
(car owner)

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Maintenance Certificate

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 10000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

15,000 km maintenance service is delivered when driving distance reaches 15,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 20,000 km or 6 months after the previous service delivery

Date: _____
Mileage:_____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 25,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

30,000 km maintenance service is delivered when driving distance reaches 30,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 35,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 40,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

15,000 km maintenance service is delivered when driving distance reaches 45,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 50,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 55,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

30,000 km maintenance service is delivered when driving distance reaches 60,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 65,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 70000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

15,000 km maintenance service is delivered when driving distance reaches 75,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 80,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 85,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

30,000 km maintenance service is delivered when driving distance reaches 90,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Regular Maintenance

5,000 km maintenance service is delivered when driving distance reaches 95,000 km or 6 months after the previous service delivery

Date: _____
Mileage: _____

Signed by service station
Signed by car owner
Agreed next-time service delivery date and mileage

Date: _____
Mileage: _____

Maintenance service is delivered according to the regular technical maintenance regulations for Chery Eastar (maintenance term aforementioned is determined according to the earlier between mileage and time).

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Safety & Protection System

In case that air bag restraint system (ABRS) is available on your car, the ABRS shall be changed ten years after service commencement, and Chery chartered service station shall be trusted to do the job.

Please timely go to Chery chartered service stations to change ABRS so that the system works normally.

In case that ABRS is replaced before scheduled date (when accident occurs), please carefully fill out replacement record for future reference.

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Safety System Replacement Record

- ☐ Driver airbag
- ☐ Co-driver airbag
- ☐ Left airbag
- ☐ Right airbag
- ☐ Airbag control module
- ☐ Airbag harness
- ☐ Pretensioner belt
- ☐ Other parts

1.----------
2.----------
3.----------
4.----------
5.----------
6.----------

Date:----------
Signed and sealed by authorized
service station

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Safety System Replacement Record

- ☐ Driver airbag
- ☐ Co-driver airbag
- ☐ Left airbag
- ☐ Right airbag
- ☐ Airbag control module
- ☐ Airbag harness
- ☐ Pretensioner belt
- ☐ Other parts

1.----------
2.----------
3.----------
4.----------
5.----------
6.----------

Date:----------
Signed and sealed by authorized
service station

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Safety System Replacement Record

- ☐ Driver airbag
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- ☐ Left airbag
- ☐ Right airbag
- ☐ Airbag control module
- ☐ Airbag harness
- ☐ Pretensioner belt
- ☐ Other parts

1.----------
2.----------
3.----------
4.----------
5.----------
6.----------

Date:----------
Signed and sealed by authorized
service station

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Safety System Replacement Record

- ☐ Driver airbag
- ☐ Co-driver airbag
- ☐ Left airbag
- ☐ Right airbag
- ☐ Airbag control module
- ☐ Airbag harness
- ☐ Pretensioner belt
- ☐ Other parts

1.----------
2.----------
3.----------
4.----------
5.----------
6.----------

Date:----------
Signed and sealed by authorized service
Station

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Safety System Replacement Record

- ☐ Driver airbag
- ☐ Co-driver airbag
- ☐ Left airbag
- ☐ Right airbag
- ☐ Airbag control module
- ☐ Airbag harness
- ☐ Pretensioner belt
- ☐ Other parts

1.----------
2.----------
3.----------
4.----------
5.----------
6.----------

Date:----------
Signed and sealed by authorized
service station

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Instrument Replacement Record

Date: _____

Mileage:_____

Signed and sealed by authorized service station

Instrument Replacement Record

Date: _____

Mileage:_____

Signed and sealed by authorized service station

Instrument Replacement Record

Date: _____

Mileage:_____

Signed and sealed by authorized service station

Date: _____

Mileage:_____

Signed and sealed by authorized service station

Date: _____

Mileage:_____

Signed and sealed by authorized service station

Date: _____

Mileage:_____

Signed and sealed by authorized service station

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Chapter 13 Capacity and Specs

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Capacity and Specs

Automobile ID Description

Vehicle ID Code

Printed on the (chassis) brattice within the power plant nacelle

Engine No.

Located on upper part of engine cylinder body

Type plate

Located at motor head

Vehicle data plate

Located at the interior upside of luggage compartment cover

Fuel

Fuel tank capacity

Petrol engine: 65L

Use fuel of the grade below and high quality fuel containing detergent and other additives. To use the fuel of a lower grade may incur damages to engine.

If high quality petrol containing additives can't be bought for a while or the engine has the following faults inclusive of difficulty in startup, idling and unsteadiness, decay of power, etc., appropriate additives should be added when fuel is filled. Fuel oil additives protect engine from corrosion and scale formation and help clean the fuel supply system.

Chery chartered service stations keep in place fuel oil additives verified by our company. Working personnel of the service stations are proficient in how to use the additives and how to address scale formation of engine. They will provide services for you to their best.

Don't use additives or engine treating compounds not verified by our company. Not

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only are these additives unnecessary, but also they may damage the engine in some circumstances. Such damages are not warranted.

You may hear fizz or hiss (noise) when the fueling cap is opened. It's normal and can be ignored.

+93# lead-free gasoline (octane value over 93)

Cars with catalytic converters equipped can use lead-free gasoline only.

In order to avoid accidents incurred by erroneous oil filling, the fuel tank adopts the design of necking-type oil filler, which supports the compressor gun for lead-free gasoline only.

If your fuel tank has leaded gasoline filled by accident, don't start up the engine (even if only a little is filled). The lead contained in fuel will cause permanent damages to catalytic converter. It is suggested that the nearest Chery chartered service station be contacted immediately for help.

Engine Oil

Replacement of engine oil

Please use oil products designated for Chery automobile. Such oil products are available in Chery Automobile chartered service stations. The engine design of your car requires use of the kind of engine oil. To achieve best performance, please use it as required.

Chery chartered service stations keep a record of oil replacement dates and use engine oil recommended.

If you need detailed advice or information, Chery chartered service stations are willing to give you help.

Don't use engine oil incompliant with above specifications and requirements. To use inappropriate engine oil might damage your engine. Such damages are not warranted.

Fueling of engine oil shouldn't exceed the MAX mark of oil dipstick.

Don't use additional additives or engine treating compounds. Not only are these additives unnecessary, but also they may damage the engine in some circumstances. Such damages are not warranted.

Automobile Oil

Replace oil at the interval indicated in maintenance manual.

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Transmission oil

Please use oil products designated for Chery automobile. Such oil products are available in Chery Automobile chartered service stations.

Check oil level periodically during regular inspection period.

Power assisted steering oil

Use hydraulic oil compliant with Chery specifications.

Brake fluid and clutch oil

Use Dot 4 brake fluid. Fill it to the mark of MAX, as required.

Use the brake fluid free of paraffin only.

In heavily loaded conditions (e.g., driving of a towed vehicle for long in mountainous area), replace brake fluid in the meanwhile that the braking pad is replaced. Ensure brake fluid absolutely clean when the fluid is filled. In case any dirty article enters into the braking system, the braking performance might be lost.

Coolant

Use the coolant with the blending ratio of water to ethylene glycol as 1:1.

Windshield glass cleaning liquid

Fill the stock tank with the concentration solution for Chery windshield glass cleaning and water (1:20). If the temperature outside the vehicle is relatively lower, use the windshield glass cleaning liquid designated for winter.

Refer to descriptions on the container for reasonable concentration.

Empty/used oil container and oil filter can't be discarded as domestic waste. Please make use of local waste disposal facilities authorized.

Capacity (L)	
Engine oil Oil filter included	4 (Mitsubishi engine) 4.5 (ACTECO engine)
Automatic transmission	6.5 (F4A4) 6 (DPO)
Power assisted steering	The MAX mark
Cooling system	7.5
Windshield glass cleaning system	The MAX mark
Fuel tank	65
Brake fluid/clutch oil tank	The MAX mark
Manual transmission	2.2

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Vehicle Weight

Please abide by the carrying capacity specified herein (if applicable). Don't exceed the total weight permitted. Otherwise, the braking and operating performances of automobile may be changed to result in accidents possibly.

The service weight refers to the weight in working order, including coolant, lubricant, fuel tank 90% loaded, tools, standby tyre and driver's weight (75kg).

Payload equals to the balance that total weight permitted is deducted by service weight.

Optional devices and additional equipment will reduce payload.

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Capacity and Specs

Vehicle Type	SQR7240T	SQR7240	SQR7200T	SQR7200	SQR7201B11	SQR7180B11
Service weight	1470	1450	1460	1440	1440	1440
Payload	375					
Total weight permitted	1845	1825	1835	1815	1815	1815

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Wheel and Tyre

Tyre pressure

Check pressure of the tyre in cold condition before you start your journey (pressure of standby tyre unforgotten).

Tyre pressure (cold tyre) (kPa)

Item	Front wheel	Rear wheel	Standby tyre
205/65R15 94H	200	210	250
205/55R16 91V	200	210	250

The pressure values above should be added with 20kPa, if tyres for winter use are used.

Tyre pressure cautions:

- Check tyre pressure once every month. Pay attention to tyre pressure, especially during running at high speed.
- The pressure values above apply to cold tyres. Tyres, when heated, have a pressure slightly heightened, but it is unnecessary for the pressure to be reduced.
- The pressure values above should be added with 20kPa, if tyres for winter use are used.
- See the self-adhesive label pasted within the filler cap plate for specified value of tyre inflation pressure.

Wheel

Tyre	Rim
205/65R15 94H	6J×15
205/55R16 91V	6J×16

Note:

The moment of tightening force for the binding bolt of vehicle wheel is 100N.m.

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Engine Datasheet

Engine model No.	4G63S4M	4G64S4M	SQR484F	SQR481FC
Engine model	4-cylinder in-line, 4-stroke, water-cooling, SOHC 16V, MPI		4-cylinder, water-cooling, DOHC 16V, MPI	
Cylinder diameter mm	85	86．5	83.5	81
Piston stroke mm	88	100	90	89.5
Air displacement Cm^3	1997	2350	1971	1845
Output power kW	92(6000r/min)	95(5500r/min)	95(5750r/min)	97(5750r/min)
Output torque N•m	167.7(3000r/min)	198.1(3000r/min)	180(4500r/min)	170(4500r/min)
Fuel required	93#	93#	93#	93#
Ratio of compression	10:1	9:1	10:1	10.5:1
Order of ignition	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Spark plug (NGK)	BKR6E-11	BKR6E-11	RTDTC	FR7DTC

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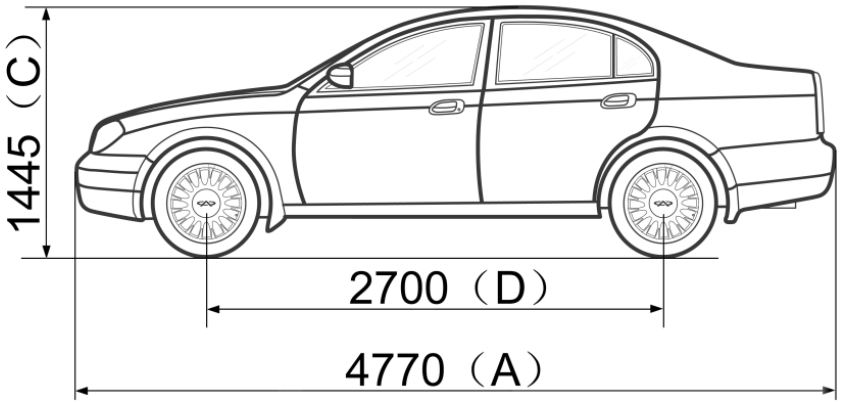
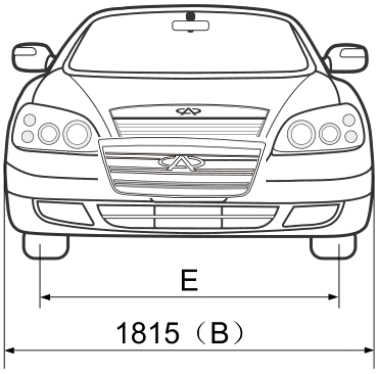
Dimension





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Note: Different tyres equipped may differ in height slightly.

Dimension (mm)	Sedan
A= Max. length	4770
B= Full width	1815
C= Full height (service weight)	1445
D= Wheelbase	2700
E= Tread Front	1550
Rear	1530

Parameters

Minimum ground clearance (crankcase oil tray) mm	125
Tyre rolling radius mm	314(205/65R15) , 307(205/55R16)
Tyre static radius mm	294(205/65R15) , 291(205/55R16)

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Preface

Sincerely congratulate you on your ownership of a Chery Eastar!

Sincerely thank you for your choice of our company and our product!

Chery Eastar boasts advanced technological level, outstanding performance and high cost efficiency. This Manual is designed to specify technical characteristics, operation guide and relevant precautions of Chery Eastar, for the convenience that you could be familiar with characteristics of Chery Eastar as rapidly as possible and operate and maintain your car correctly, fully enjoying its excellence, ensuring driving safety, and keeping its sound performance.

Please read the Manual carefully prior to first use of the car.

This Manual published was prepared in the light of the design features of Chery Eastar at an earlier time. Along with constant improvement of product, the manual will make necessary amendments for republication in the future. Please understand that such amendments may not be notified separately.

All trained professionally, the whole staff of Chery Automobile's chartered sales & service network will provide you with top quality services. Welcome your valuable advice.

Chery Automobile Co., Ltd.

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Notice

☆ **Chery Automobile Co., Ltd. (hereinafter referred to as the "Company" or "Chery Automobile") is obligated to provide quality assurance services for you, being reasonably entitled to require you to use your car in strict accordance with the Manual. Especially, the chapter titled "Quality Warranty" should attract your special attention to help you avoid that you forfeit the quality warranty right due to violation of regulations for use;**

☆ **It is strictly forbidden that products of the Company be randomly refitted or added with any device to any extent, especially such systems (electric fittings, braking, steering, etc) as involve product safety. Chery Automobile shall bear no liabilities for any direct or indirect damage arising from random refitting or addition of various devices;**

☆ **The Company sets technical maintenance provisions for products in different phases. Maintenance is necessary for Eastar after the first 5,000km's running. Servicing & maintenance above is of great importance to safe use and keeping of your car in sound status, for your compliance;**

☆ **Running-in and routine maintenance of a new car purports to better prolong service life of it and safeguard user's legitimate interest. Therefore, it is deemed that a user shall waive the right for quality warranty automatically, if he/she fails to make maintenance within a set period or at certain mileage, implements incorrect vehicle operations, and refuses to sign and seal maintenance certificates as required. To be certain, the Company will be no longer obligated for**

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quality warranty as normally understood;

- ☆ **Please use the parts and components furnished by Chery Automobile (genuine spare parts) and turn to Chery Automobile's chartered service stations for acquisition of "genuine spare parts" for Chery Automobile. Chery Automobile shall not bear any liability for any direct or indirect loss arising from use of anything rather than 'genuine parts";**
- ☆ **If our products are found defective, the products concerned shall be examined and repaired by Chery Automobile's chartered maintenance point (MP). During the inspection and repair, Chery Automobile has the right to decide whether repairs should be made or equivalent parts be replaced for maintenance, as the circumstances may require;**
- ☆ **Please turn to Chery Automobile's chartered Maintenance Points (MPs) for servicing and maintenance. The whole staff of Chery Automobile chartered MPs are strictly trained in a professional way, committed to providing best services for you;**
- ☆ **Please place the Manual on your car for service and help from time to time. If you transfer the car to others, please hand over the full set of documents attached to the new car owner;**
- ☆ **Chery Automobile and its chartered MPs will render to you a more detailed explanation of the unclear and obscure parts of the Manual.**

Wish your driving pleasant!

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Preface

Introduction

Safety and Environmental Protection
New Vehicle Inspection
Run in of New Vehicle
Common Vehicle Symbol Instruction

Instrument Panel

Warning Device
Instruments
Audio
Panel description
Performance
Use notes
Operation Method
Operation Method of Attachment
Removal fault
Error
Audio System Modification

Air Conditioning System

Air renewal
Electric controlled automatic air conditioning system
Failure recovery
Rear window defrosting/exterior rear-view mirror heating

Lamp Control

Headlamp Switch
Headlamp High/Low Beam Selector Switch
Flash of Front Headlamp
Front/Rear Fog Light Switch
Turn Signal Lamp
Lane change signal lamp
Dashboard illumination dimmer
Interior Front Ceiling Lamp
Interior Rear Ceiling Lamp
Luggage Boot Illuminating Lamp
Sun visor vanity mirror
Front Sill Lamp and Key Cylinder Lamp
Danger Flash Alarm Lamp Switch

Operation and Adjustment of Interior Device

Steering lock/ignition switch
Steering wheel adjustment
Loudspeaker
Windshield wiper and washing system
Interior rear-view mirror

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Window visor
Sunglass box
Rear manual blind
Rear electric blind switch (✻)
Control switch on car door
Switches on central console
Postpositional cup holder
Power Outlet

Door Lock & Theft Protection

Car Key
Central Door Locking System
Rear Door Child Safety Lock
Luggage Compartment Door Opening
Filler Cap Release Bar
Bonnet Opening
Wireless Remote Control System with Antitheft Function (✻)
Seat and Safety Protection
Seat
Seat belt
SRS airbag
CRS (Child Restraint System)

Driving

Start
Caution against exhaust fume
Self-adaptive function of engine control system
Engine Rev Limiter
Engine shutdown
Brake
Steering
Automatic transmission operations (✻)
Wading
Catalytic Converter
Parking
Oil Consumption
Radiator Fan

Emergency Response

Warning Flasher
Prompt Fueling
Bulb Replacement
Fuse and Relay
Vehicle Wheel Replacement
Accumulator Cell
Engine Jump-starting Procedures
Breakdown Trailer

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Preface

Servicing & Maintenance

Must-do Checks
Engine Compartment Maintenance Job (Mitsubishi engine)
Tyre
Wheel Train Belt
Car Wash
Maintenance
Regular Maintenance Regulations
Free Maintenance Service Card for the First 5,000km Driving Distance

Maintenance Certificate

Quality Warranty Service

Complete Vehicle Warranty
Vulnerable Parts Quality Warranty Term
Special Part Quality Warranty Term
Warranty Coverage

Capacity and Specs

Automobile ID Description
Fuel
Engine Oil
Automobile Oil
Vehicle Weight
Wheel and Tyre
Engine Datasheet
Wheel Train Belt
Dimension
Parameters
Emergency Maintenance Guide
General
Make the best of the Chery's special service station
First aid

Chery Automobile Customer Service Voice Query System

Introduction to Chery Automobile Customer Service Voice Query System
Cities and area codes of Chery chartered service stations

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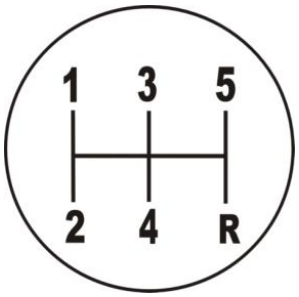
Operations of Manual Transmission Case（ ）
*

The manual transmission of Eastar sedan has five forward gears and one reverse gear.

The arrangement of gear positions is as following figure.



Gearshift

Methods and attentions for use/operation:

- When shifting gear, completely apply clutch pedal, move gearshift lever to the selected gear position, and then apply a little force to load the gearshift lever into the gear position. If unsmooth gear-shifting is felt, apply clutch pedal again and re-shift the gear. After

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driver gets rid of torque of engine, rapidly control the gearshift lever to shift gear.

- Use low speed gear when running downgrade and turning, do not slide with clutch disengaged.
- When shifting the transmission from a lower gear to a higher gear, do not step over gear; otherwise, the synchronizer's service life may be affected.
- Utilizing synchronizer to forcibly shift gear to start engine under Neutral and flameout state is forbidden; otherwise, the synchronizer's service life may be affected.
- When shifting gear, flapping method (i.e. one push and one release) is forbidden and you should keep pressing the gearshift lever, thus greatly reducing sliding and rubbing time of the synchronizer's lock ring and reducing friction.
- After finish of gear-shifting or gear change, do not leave your hand on shift handle, so as to prevent transfer of the force on your hand to gearshift fork to cause early wear of the gearshift fork.
- Stop the car to inspect when abnormal sound in transmission is heard and such abnormal phenomena as obvious resistance during operation etc. are found. Continue to drive after the failure is removed.
- Under normal running state, do not leave your foot on clutch pedal, so as to prevent unwanted wear of clutch.
- Shift gearshift lever to reverse gear only when the car is still. When the engine is running, apply clutch pedal to bottom before gear change and then change gear after several seconds, so as to prevent transmission gear from generating quacks due to bad engagement.

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After ignition switch is turned on, once shifting to reverse gear, the backup lamp at tail of the car will light.

During traveling forward, shifting to reverse gear is forbidden; otherwise, the transmission may be damaged. Any failure of this kind is beyond the guarantee scope of Chery company.

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