

Advice

This **User's Guide** defines both the establishment and termination of right and liability with respect to product quality guarantee responsibility and after-sales service between Chery Automobile Co., Ltd. and customers. It is necessary for customers to carefully read over this manual before using Chery's products.

User's Guide for Chery A3 Series Cars

Truly congratulate you on having a Chery A3 car! Also, sincerely thank you for your preference towards Chery and Chery's products!

All staff of Chery authorized service stations have experienced the good and professional training, and they provide you with the best service heart and soul.

The advanced technology and the preeminent performance are incorporated into Chery A3 Series cars. Your selecting a Chery A3 car indicates that you have rather rigorous requirements on the performance and style of a car.

This **User's Guide** is intended to introduce technical characteristics, use methods and relevant precautions of Chery A3 Series cars.

You should carefully read over this User's Guide, so that you may get familiar with characteristics of the car, properly use and maintain your car, take full advantage of the outstanding performance of car, ensure the security of driving, keep the excellent performance of car, and finally obtain the maximized joy of driving.

This User's Guide is applicable to Chery A3 Series cars.

Chery Automobile Co., Ltd.

This manual is compiled in accordance with the road conditions in People's Republic of China and the specific conditions of Chery A3 Series cars, so that it is only applicable to the A3 Series cars which is manufactured by Chery Automobile Co., Ltd. and runs in the territory of People's Republic of China. It includes the latest information till the printing of this manual. Chery Automobile Co., Ltd. takes the full responsibility for revising and interpreting this manual, and also reserves the right that Chery may not give the further notification in the case of changing products after the printing of this manual. Some figures in this manual are featured and only used for reference. If the featured car differs from the actual car, the latter shall prevail.

This manual is the major voucher by which you may get the vehicle quality guarantee and the first-time free maintain for your car. Please put this manual in your car, so as to find it whenever you need it. If you are going to resell the car, please hand over this manual and the complete set of attached files together with the car to the new owner in order to allow for his use when necessary.

Special Statements

Before using this product, you should carefully read over this **User's Guide**, especially the section "**Quality Guarantee Service**", lest you may lose the right of enjoying the quality guarantee service provided by Chery due to your violation against the use compliance.

Chery Automobile Co., Ltd. (hereinafter referred to as "the Company" or "Chery") has set the running-in rules for new cars and the technical maintenance for various stages, including the first-time 5,000km maintenance. As the maintenance rules forementioned is crucial to the safe use and good running status of your car, you shall abide by them.

If your car comes into failure as a result of your abuse, neglect and misuse of car or parts, or not having maintenance according to the required mileage or time interval, or not having signed the maintenance certification as required, or the unapproved refitment or addition to your car, you will lose the right of claiming guarantee, and the consequential direct or indirect guarantee application shall be rejected by Chery authorized service stations.

If the any problem is found in Chery's product during the course of use, the car shall be checked and repaired by Chery authorized service station. In the process of check and repair, the station, considering the actual conditions, is entitled to decide whether to carry out maintenance by means of repairing or replacing the equivalent. If you meet something unclear when reading the **User's Guide**, you can get further interpretation from Chery authorized service station. At the same time, customer's opinion and suggestion are considered precious and welcome.

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May you enjoy the driving!

Catalogues depend on the actual contents.

Chapter 1 Introduction

What You Should Get to Know before Reading the User's Guide

Thank you for purchasing a Chery car. In order to utilize your car and protect your right, you need to spend some time to carefully read this manual.

This manual provides you with some important instructions and prompts with regard to daily driving and routine maintenance, which enable you to manipulate the car. The more you know about your car, the more safety, economy and joy of driving can be ensured.

Any improper operation may both damage your car and deprive your car of the guarantee right.

The periodical maintenance for car helps to retain the performance and second-hand value of car. Chery authorized service stations are star-studded all over China, and numbers of maintenance specialists in these stations can provide the instant service for you.

The professionally-trained maintenance personnel are able to properly maintenance your car and the car-mounted equipment. The spare parts used in these stations are the original ones made by Chery.

Equipped Scope

This manual describes the maximum possible equipped scope of A3 Series cars till the printing of the manual. The scope means all standard and optional configurations of A3 Series cars. Some of these configurations may be provided in the future or merely in partial market, so that certain items may inapplicable to your car.

Warning Symbols in This Manual



How to lessen the damage of car and the on-board equipment and avoid the injury of personnel in the case of using a car? In this manual, the answer to this question is contained in the note which is marked with a triangular warning symbol. Please carefully read and follow the contents involved in it.



The equipment marked with  is made in batches, only use for the specific car structure, and merely provides as an optional part for several car models or just sold in certain markets.



If you see this symbol on the car, you must read the related sections of this manual before conducting the corresponding operation.



We must perform the responsibility and obligation we bear for the environmental protection. The proper use of car and the legal disposal of cleaning articles and lubricating materials are significant steps for achieving this goal. The information with respect to such an aspect is highlighted by a tree-shape symbol.

Check on New Car

Before deliver the car to you, the dealer under Chery has implemented the vehicle check according to Chery's rules. The dealer shall fill in the "delivery check certification" of this manual with the date of delivery, and press the certification with an official seal of sales unit.

The sales unit shall refer to the **Chery Car Sale & Delivery Sheet** to check the performance of complete car in the presence of customer and introduce the general knowledge of vehicle use to the customer. The sheet shall be signed by both the seller and the customer.

Running-in of New Car

Owing to the machining and assembly errors, the frictions between active components of a new car at the beginning of use are always much greater than those under the normal conditions. Since the initial running-in effect significantly influences the service life, working reliability and economy of a car, the running-in rules shall be strictly abided by in the event of using a new car.

Rules for Running-in within

1,000km

- It is absolutely forbidden to drive the car at its full speed;
- Generally, it is forbidden to drive the car at a speed over 100km/h;
- It is required to avoid driving the car at its top speed despite various gears.

Rules for Running-in from 1,000km to 1,500km

- It is allowable to accelerate till the top speed or drive the car with the maximum tolerable engine speed.

Precautions after Running-in

Maturity

For a running car equipped with an engine speedometer, the tolerable maximum short-time engine speed is 6,000r/min. No later has the speedometer finger pointed to the red indication area than the gearshift lever shall be pulled to the adjacent higher gear, provided that gear shifting is going to be done manually.



It is required to prevent the engine from running at an unnecessary high speed. Shifting the lever to higher gears as soon as possible is helpful for saving fuel, reducing working noise and abating environmental pollution.

When the car is running, the too low engine speed is also undesired. It is necessary to shift the lever to the proper gear, as the case may be.

Given a cold car, do not have the engine working at the maximum speed, despite the lever being set in the neutral or a driving gear.

At beginning of use, a new tyre does not get the best adhesive force. Therefore, even a new tyre also needs running-in. Consequently, during the first 100km, the car speed shall be kept low and the driving shall be particularly careful.

A new brake friction wafer wants running-in as well, for the brake does not have the ideal friction within the first 200km. If the braking effect during such a period seems poor, it is allowed to properly increase the pressure on the pedal. This method is also applicable every time you henceforth replace the friction wafers with new ones.

Once a new car has traveled for 800km in total, it is compulsory to retighten the wheel nuts to the specified torques. See Chapter "Specification Parameters" in this manual for these correct torque values. For the car whose wheels have been

replaced or whose wheel nuts have been loosened, it is also required to retighten these wheel nuts to the specified torques as soon as the car has run for 800km.

"One-to-one" Service

For the purpose of providing you with the better service and car, the dealer under Chery will assign a service consultant for you when you are buying a Chery car. If you have any question during the course of using the car, you can contact your service consultant and he/she will present the best service to you.

Delivery Check Certification

It is hereby proved that this car has been checked in accordance with rules of CHERY Automobile Co., Ltd. and its quality meets the technical requirements specified by CHERY.

Date of Delivery: _____

Official Seal of Sales Unit:

Name (Unit) of This Car's Owner	Name of Responsible Service Station
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_____	_____
_____	_____

Address _____	Responsibility Undertaker _____
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Car Data

Date of Delivery

Car Type

Body VIN Code

Engine No.

Transmission No.

Official Seal of Dealer

Chery Car Sale & Delivery Sheet

Classification	No.	Item	Is the items proved qualified and well-explained?	
Overall Performance	1	Engine	Yes ☐	No ☐
	2	Engine oil, brake fluid, steering fluid, coolant, battery fluid and windscreen detergent	Yes ☐	No ☐
	3	Marks such as VIN code, engine No, brand and so on	Yes ☐	No ☐
	4	Locks, car key and remote controller of complete car	Yes ☐	No ☐
	5	Lights of complete car, including: headlight, turn light, fog light, combination light, indoor light, brake light, reversing light, taillight, reading light, door light, instrument light and so on	Yes ☐	No ☐
	6	Glass of complete car and painted surface of car body	Yes ☐	No ☐
	7	Tachometer, engine speedometer, odometer, water thermometer and fuel meter	Yes ☐	No ☐
	8	Wheel shields, spare tyre, attached tools and <i>User's Guide of Complete Car</i>	Yes ☐	No ☐
	9	Safety belt, seat, cigarette lighter, air conditioner switch, air outlet, glove box and sun visor	Yes ☐	No ☐
	10	Glass regulator, rearview mirror, windscreen wiper, scrubber, horn, audio system and antenna	Yes ☐	No ☐

Drive Introduction

General Knowledge	1	Using 93# gasoline as fuel	Yes ☐	No ☐
	2	Normal use during running-in period	Yes ☐	No ☐
	3	Use of all lights	Yes ☐	No ☐
	4	Meanings of warning signal lights	Yes ☐	No ☐
	5	Proper maintenance time and mileage	Yes ☐	No ☐
	6	Maintenance items of car during summer and winter	Yes ☐	No ☐
	7	Proper understanding of cooling system and correct use of coolant	Yes ☐	No ☐
	8	Proper use of air conditioner	Yes ☐	No ☐
	9	Precautions regarding car startup	Yes ☐	No ☐
	10	Proper use of audio system	Yes ☐	No ☐
Signature of Car Seller:		Date:	Signature of Customer:	Date:

“One-to-one” Consultative Service Sheet (for Service Station)

Name of Customer:

Date of Purchase:

Service Seller:

Model:

VIN:

The following items shall be confirmed by the customer.

I. Confirmation of Items regarding Car Delivery (√ for yes, × for no)

- ☐ The basic use method of car has been introduced, the delivery check has been given to the car in the presence of customer and the car has been proved qualified.
- ☐ The quality guarantee policies have been introduced.
- ☐ The precautions of driving have been introduced.
- ☐ The importance of periodic car maintenance and the interval time/mileage of maintenance have been introduced.
- ☐ The importance of maintaining/repairing car in Chery authorized service station has been informed.
- ☐ The **User's Guide** has been delivered and I have been reminded of reading.
- ☐ The functions and use methods of Chery customer service hot line have been told.

II. Introduction to “One-to-one” Consultative Service Model (√ for yes, × for no)

- ☐ If you have some questions or requirements, you just need to inquire nobody but your service consultant.
- ☐ The service consultant is the only person that is designated by the service station to communicate with his customer.

- ☐ A service consultant is responsible for only one customer, and that is “one-to-one”.
- ☐ The customer can reselect a service consultant if he/she feels unsatisfactory at the previous consultant.

III. Introduction to Main Tasks of Service Consultant (√ for yes, × for no)

- ☐ Reception for periodic maintenance service
- ☐ Acceptance and treatment for customer's complaint
- ☐ Reminding return visit for periodic maintenance
- ☐ Answer to enquiry on repair/maintenance
- ☐ Periodic greeting return visit
- ☐ Acceptance and treatment for repair/maintenance bespeaking
- ☐ Reminding return visit for service action
- ☐ Reminding/ acceptance and treatment for annual check
- ☐ Greetings for important festivals
- ☐ Other affairs required by customer

IV. Establishment of “One-to-one” Consultative Service Relation

Business Card of Service Consultant

Signature of Customer/ Date:

Signature of Service Consultant/ Date:

The First Form

Kept by Service Station

“One-to-one” Consultative Service Sheet (for Customer)

Name of Customer:

Date of Purchase:

Service Seller:

Model:

VIN:

The following items shall be confirmed by the customer.

I. Confirmation of Items regarding Car Delivery (√ for yes, × for no)

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IV. Establishment of “One-to-one” Consultative Service Relation

Business Card of Service Consultant

Signature of Customer/ Date:

Signature of Service Consultant/ Date:

The Second Form

Kept by Customer

Explanation for Common Symbols on Car

Symbol	Definition	Symbol	Definition	Symbol	Definition
	Malfunction light for self-check of engine		Anti-skid Brake System (ABS)		Indicator light for position
	Forbidden glass regulator switch		Safety warning		Warning light for low engine oil pressure
	Indicator light for rear fog light	EPC	Indicator light for air throttle		Warning for overhigh coolant temperature (in red indication)
	Indicator light for front fog light		Cigarette lighter		Warning light for tyre pressure

Symbol	Definition
A/C	Air conditioning system
	Indicator light for battery charging
	Indicator light for upper beam light
	Indicator light for lower beam light
	Headlight switch
	Indicator light for parking braking

Symbol	Definition
	Warning light for brake system malfunction/low brake fluid level
	Warning light indicating untied safety belt
	Flickering warning light for danger
B+	Battery anode
	Indicator light for airbag malfunction
	Warning indication for low fuel level

Symbol	Definition
	Luggage boot lid opening switch
	Windscreen cleaning
	Horn
	Windscreen defrosting/defogging
	Left turn light indication
	External cyclic air

Symbol	Definition
	Locking indication
	Unlocking indication
	Warning light indicating unclosed door and luggage boot lid

Symbol	Definition
	Rear windscreen heating indication
	Indoor light switch indication
	Audio alarming

Symbol	Definition
	Internal cyclic air
	Airbag mark
	Electric Power Steering (EPS)

	Car Maintenance Indication
	ESP indication

	Right turn light indication
	Anti-theft indication of engine

Chapter2 Driving Introduction

Starting

Preparation Work before Starting

The engine starting is controlled by the electronic control system of engine.

As starting the electric injection engine, don't step on the accelerator pedal before or during starting. The accelerator pedal can be stepped only when the starting is difficult. Please refer to section "The Start of Engine" for details.



Long-time running of engine at high speed will cause excessively high temperature of the engine and exhaust system, which will possibly result in fire and other damages. Therefore, don't park the vehicle on the ground with dry grass or other dry coverings.



Don't start the vehicle in the enclosed garage or other closed areas for a long time, for the exhaust gas is noxious. Do open the garage gate before starting the vehicle, please refer to section "Cautions of Exhaust Gas" in this chapter for details.

Safety Precautions

The idle speed of engine is controlled by electronic control system. The high idle speed as the engine starting makes for the temperature rise of engine. After the temperature rise, the idle speed should be reduced automatically. If the idle speed can't be reduced automatically, the vehicle should be sent to Chery authorized service station for overhaul. Don't let the engine operate for over 10 minutes at the speed higher than the specified idle speed.

Precautions before Starting

- Make sure the safety belts of all the passengers are fastened. Refer to the chapter "Seat and Safety Protection Device" for the details of the safety belt and its correct usage.
- Make sure the power supplies of headlamp and other electric accessories are cut off.
- Make sure the hand brake is applied.
- Make sure the selector lever is set at the neutral position.
- Turn the ignition switch to the "ON" position, and don't switch it to the position "START".

If it is hard to turn the key, you can rotate the steering wheel left and right for several times until the key can be turned easily. Reasons causing this situation are listed as follows:

- Deflection of the front wheel.
- The front wheel touches curb.
- The steering wheel has been rotated as getting on or off the vehicle (viz. the steering wheel is self-locked).

- While turning on the ignition key, make sure whether the instrument panel alarm lamp is on, if not, it is necessary to deliver the vehicle to Chery authorized service station for overhaul.

If the safety belt of driver has been fastened before turning on the ignition key, the safety belt alarm lamp will not light.

The Start of Engine

1. Turn the ignition switch to "START", don't step on the gas accelerator pedal, and release it at once after the engine is started, then the key goes back to the "ON" position.
2. If the ambient temperature is normal or much higher and the engine can't be started within 5 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 5-10 seconds.
3. If the ambient temperature is much lower and the engine can't be started within 15 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 10 seconds. If it can't be started for the second time, step on the accelerator pedal properly and turn the switch to the "START" position. After the engine is started, release the key, and release the accelerator pedal gradually

along with the engine speed increases.

4. After the engine is started, keep it operate at idle speed for several seconds, then step on the clutch, shift to the driving gear, and release the hand brake to complete the preparation for driving.
5. The ambient temperature for the normal start of engine is -25C~40C (if the ambient temperature is out of this scope, other abnormal conditions may occur).

Cautions of Exhaust Gas

Although the vehicle exhaust gas has low toxicity, it contains carbon monoxide which should be beware of. Some components of the exhaust gas and some chemicals contained in or emitted by certain parts may cause cancer and birth defect etc.



If there is a peculiar smell of exhaust gas inside the vehicle, please go to Chery authorized service station for overhaul, don't continue driving, because the exhaust gas is noxious and may be life-threatening.

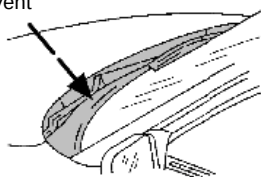
Please check the vehicle exhaust system and the body ventilation system in case of the following conditions.

- When lifting the vehicle for overhaul.
- When the sound of exhaust system changes.
- When the vehicle is damaged in collision.

Pay Attention to Ventilation

When the vehicle has been parked on the open area at idle speed for a long time, open the window by over 2.5cm, or enable the ventilation function of air conditioner to get the fresh air enter the vehicle.

Vent



Remove the blocks of snow, leaves and other foreign materials at vent, in order to ensure the ventilation effect of vehicle.

Adaptive Function of the Engine Control System

If the battery wire was once removed from the battery, there may be some abnormal phenomena at the very beginning of the traveling after reconnection. This is because the engine control system is relearning to adapt to the engine, which is normal.

Limitation of Engine Speed

The engine speed is limited by electronic device (ECU) to protect the engine.



Engine Flameout

Release the accelerator pedal. Wait for the engine to reduce to the idle speed, and then shut down the ignition switch.



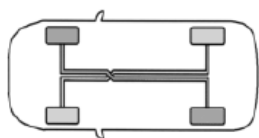
Don't step on the accelerator pedal before stopping the engine.

For parking after long-time traveling at high speed, don't stop the engine immediately; let the engine operate another 2 minutes at the speed higher than idle speed, in order to make the temperature decrease gradually.



After the ignition switch is turned off to stop the engine, the engine temperature is still high, and the electronic cooling fan of radiator will continue to operate for about 10 minutes. Even though the cooling fan stops operation, it may operate again because of the high temperature. Therefore, you have to be cautious when working beside the engine.

Brake



Dual-Circuit Brake System

Your vehicle is equipped with X-type dual-circuit system. If one of the circuits does not work, the other can still operate well.



When one of the circuits does not work, it is necessary to step on the brake pedal with great force, and the stopping distance becomes longer. If this situation occurs, please send the vehicle to Chery authorized service station for overhaul, and then you can continue your travel.

Alarm for Too Low Brake Fluid Level

If the ignition switch is set at "ON" Position, and the malfunction indicator lamp  on the instrument panel is on all the time, it indicates the front & rear electronic brake distribution systems fail or the brake fluid level is too low. The height of brake level shall be checked regularly according to the requirement.



If the brake fluid level is found too low, the brake fluid shall be added immediately to keep the level 2mm below MAX and 4mm above MIN, and the vehicle shall be sent to Chery authorized service station to check the brake system.

Introduction to Brake System Operation

It is normal that the brake system makes a noise sometimes. But if it has made noises of

metal grinding or screeches for a long time, it indicates the brake lining may be seriously worn and needs to be replaced. Here the vehicle shall be sent to Chery authorized service station for overhaul.

If there is continuous jitter or vibration passing to the steering wheel when braking, the vehicle shall be sent to Chery authorized service station for overhaul.

The new friction lining of brake has to be run in to get the best braking effect. The braking effect may reduce a little in the first 200 km, in this situation, only stepping on the pedal with a larger force can retrieve the braking efficiency. This point is also applicable for the newly-replaced brake lining.

The wearing conditions of the brake friction lining mostly depends on the working condition and driving manner. For the vehicles mainly used on the city road, the working conditions of the brake friction lining is very rigorous for frequent starting and shutdown, therefore, please be sure to check the thickness of brake friction lining or change it at Chery authorized service station according to the service mileage specified by maintenance rules.

When traveling downhill, it is necessary to downshift and take full advantage of the braking function of the engine to reduce the load of brake system. Meanwhile, even if the brake is needed, the brake pedal shouldn't be stepped incessantly.

The moisture brake disc will reduce the braking efficiency. After traveling in water, rainstorm or washing vehicle, the brake pedal shall be stepped on lightly to warm up the brake disc and friction lining through friction so as to evaporate the water and restore the braking efficiency.



If the front spoiler is mounted optionally on the vehicle, it is necessary to ensure the air to the front brake is unobstructed, or else the brake system may be too hot for poor radiation and the braking efficiency may be reduced.

Brake Booster



The brake booster is controlled by engine vacuum. It works only when the engine operates. Therefore, don't stop the engine for sliding as going downhill.

If the brake booster can not work because the vehicle is drawn or it breaks down, it is necessary to step on the brake pedal with great force to restore the assisting efficiency of the booster.



Each pedal should be stepped to the end and return back to the original position completely, and should move freely.

Therefore, the floor around can not be covered by foot mat or other coverings. If it surely is necessary, it shall be assured that the foot mat not hamper the movement of pedal and not slide.

ABS Anti-lock Brake System (*)

The anti-lock brake system can avoid the wheel lock and even let the vehicle maintain the steering performance in case of emergency braking so as to help you to avoid obstructions.

Actions of ABS



The anti-lock brake system works only with the service braking. If the brake pedal pulsates with noise during braking, it indicates the ABS is working. The pulsation and noise are normal. Don't release the brake pedal at the moment.

Make Use of ABS Brake

Step on the brake pedal with all effort continuously in emergency, and the antilock brake system will be started immediately so that you are still able to control the steering. If the space is enough, you can even avoid obstructions.

It is suggested that you should have acquaintance with the brake skills; however, you should avoid any unnecessary risk.



ABS can ensure best braking efficiency, but the parking distance will be greatly different based on the road conditions. ABS can't ensure the brake distance can be shortened under all road conditions. For example, in the sand or snow field, the brake distance of the vehicle with ABS is much longer than that of the vehicle without ABS.

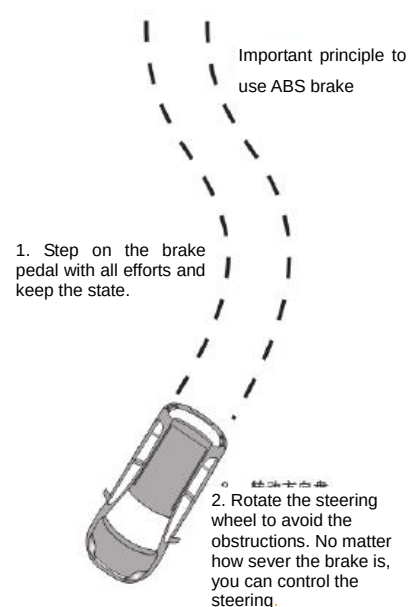
In the same way, the use of ABS can't avoid the dangers caused by short distance to the front vehicle, traveling in water, too fast steering or poor road condition; it can't avoid the accidents caused by mistake as well as the incorrect driving either. Please be cautious of driving and reduce the speed as turning.

ABS Self-check

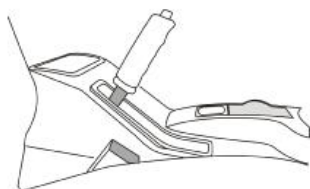
After the vehicle starting up, the ABS electronic control system will carry out self-check. In the process, you can hear the noise of machine, it is normal.



During traveling, if it is found the ABS alarm lamp on, it indicates there is malfunction in the circuit of ABS system and the ABS system fails to function but the regular brake is not affected. In this situation, please contact Chery authorized service station as soon as possible.



Hand Brake



The hand brake handle should be pulled upward tightly to avoid the vehicle sliding for oversight.



Please be sure to pull up the hand brake handle before leaving the vehicle.

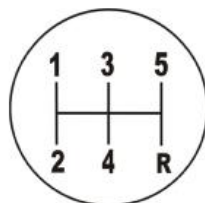
In the condition that the ignition switch is on, pull the hand brake handle, and the parking braking indicator lamp will light. If you want to use the hand brake, pull the hand brake handle upward.

If you want to release the hand brake, you can pull the hand brake handle upward a little, press the release button on the top of handle and then push it downwards.

The manual brake works on the rear wheels. Stepping on the brake pedal while pulling the manual brake upwards can make the hand brake pulled easily.

Operation of Manual Transmission

The order of gears is shown in the following figure:



Application/operation methods and precautions:

- Step on the clutch pedal completely as shifting in order to make the transmission input shaft separated with engine power, and then operate the shift lever to shift.
- The low gear shall be applied as going downhill or turning, and it is forbidden to make the vehicle slide with the clutch separated.
- When the transmission is shifting up, don't skip over gears, or else it will affect the service life of the synchronizer.
- Flapping method (that is the operation method of pushing followed by releasing) is forbidden as shifting. The shift gear shall be pressed with hand all the time, which can reduce the wearing time of the lock ring of synchronizer and reduce the abrasion.
- Don't put your hand on the shift lever as traveling, or else it will cause too early abrasion of shift fork.
- If there are abnormal phenomena of transmission in use such as abnormal sound and obviously difficult operation, stop the vehicle at once to for check and continue to

travel after troubleshooting.



Reverse gear is forbidden during traveling, or else it will damage the transmission. The resultant malfunction is out of the warranty scope of Chery Company.

Steering

In order to avoid damaging the power steering system:

- When the engine operating, it is forbidden to let the steering wheel stay at any limit point (turn to the left or right dead center) for over 10 seconds.
- When the power steering fluid in the power steering fluid reservoir is below the MIN mark, the power steering fluid shall be added immediately. Before filling, driving vehicle is forbidden.

If the power steering system breaks down or the engine is shut off, the vehicle will lose the power-assisted steering. You still can rotate the steering wheel but with more force.

If the vehicle is off tracking or swaying during traveling, please check the following items:

- Whether the pressures of two front tyres are the same;
- Whether the abrasion of tyres is uniform;
- Whether the suspension components are loosening or wearing;
- Whether the steering components is loosening or wearing;
- Whether the wheel alignment is correct.

EPS Electric Power Steering System (*)

The EPS, electric power steering in full, takes the torque generated by motor as the boosting source to replace the boosting manner employed by general vehicles (i.e., engine drives hydraulic pump). When the malfunction diagnosis system finds the malfunction, the malfunction indicator lamp “⚠” on the combination instrument will be lighted.



During traveling, if the EPS malfunction indicator lamp is lighted, it indicates the EPS goes wrong. In this situation, even if the basic operation can be maintained, it is required to contact Chery authorized service station at once.

Wading

If the vehicle has to wade during traveling, you must drive carefully and slowly, especially when you don't know the details of the river. If the water is deep to submerge the hub, you shall not drive forwards.

When wading, both the tractive force and brake performance reduce, and the vehicle has the risk of flameout.

If the water goes into the air intake pipe of engine, it will cause serious damage to the engine. If wading deeply, the water entering the transmission through air vent of transmission, it will damage the transmission.

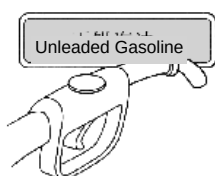
After wading, you must drive the vehicle slowly and step on the brake pedal lightly for several times to remove the water on the brake.

Three-way Catalytic Converter

The three-way catalytic converter contributes to reducing the waste air pollution.



Be sure to use the unleaded fuel. The leaded fuel will cause permanent damage to the three-way catalytic converter and oxygen sensor. Chery Company will not bear any responsibility for the damage resulted by using leaded fuel. This kind of damage is out of the warranty scope. If you add the leaded fuel inadvertently, please contact the nearest Chery authorized service station immediately.



The vehicle with gasoline engine is equipped with narrow fuel filler, which only admits the filling gun nozzle of the unleaded petrol pump.



If the engine is operating all the while, the three-way catalytic converter will become very hot. Be sure to wear protective gloves during maintenance to avoid scald.



When the gasoline engine operates, it is forbidden to pull out the ignition cable of the ignition coil and check whether the engine works well with individual cylinder cut-off method, or else it will damage the three-way catalytic converter.

Driving the Vehicle Equipped with Catalytic Converter



During traveling, if the engine ignites badly or the performance reduces, please drive at low speed to the nearest Chery authorized service station.

Please avoid all the cases that can cause the unburned or partly burnt fuel to enter the catalytic converter, especially when the engine is of high temperature.

Always avoid the following cases:

- Fuel exhaustion.
- Unnecessary long-time starting of the engine.
- The engine operates in the condition that more than one spark plugs are removed.
- Start the vehicle with the engine at operating temperature through pushing or drawing.

- Turn off the ignition switch during traveling.

Parking

Don't park on the ground with dry leaves or grass. Even if the engine has been stalled, there is a potential fire hazard because the exhaust pipe still emits much heat in short time.

Before leaving the vehicle, the ignition switch must be turned off. Don't let the engine operate when nobody in the vehicle. If this point is neglected, your vehicle is likely to move unexpectedly, resulting in personal injury or property damage.

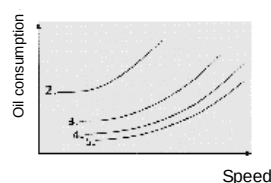
Chassis Protection

Your vehicle has been quipped with thermal baffle. Don't hold painting work on the thermal baffle, exhaust pipe or the catalytic converter body or beside them. Please don't remove the thermal baffle.

Oil Consumption

Oil consumption is influenced by the following factors:

- The selection of speed & gear



The above figure shows how the oil consumption is influenced by the selection of speed and gear. Operating at low gear to improve the acceleration performance will result in the obvious higher oil consumption.

- Stroke / engine temperature

Regular cold-start and shot-range travel will result in obvious increase of the oil consumption.

- Traffic and road conditions

Traffic jam, uphill driving, lots of curves and rough road all affect the oil consumption.

- Good driving habit

Foresee the danger and keep safety distance from the front vehicles, which not only can decrease oil consumption but reduce the braking abrasion and noise.

- Vehicle loaded condition

Increase the load of vehicle will cause higher oil consumption.

- Vehicle technical condition

Too low tyre pressure or the improper maintenance of engine & vehicle will result in high oil consumption.

Key Points of Oil Saving and Environment Protection

- Travel based on oil saving and use additionally electrical load only as it is necessary.
- The vehicle can be started before warmed.
- Use the accelerator smoothly.
- Shift to next higher gear as soon as possible to get faster speed of engine.
- Foresee the traffic condition.
- Turn off the air conditioner and rear windshield heater if they are unnecessary.
- Check or adjust the tyre pressure regularly.
- Ask the professionals in Chery authorized service station to do maintenance regularly.

Radiator Fan

The radiator fan is an electric fan, and is controlled by the engine ECU. When the temperature of coolant or in the engine compartment reaches a certain extent, the switch will get through the fan circuit automatically.



After stopping the engine, the radiator fan will operate for a while (about 10 minutes) because the engine is still hot. When the engine gets cool to a certain temperature, the fan stops operation. Even so it, as long as the temperature of engine compartment increases greatly caused by the ambient temperature (exposure to sunlight or high temperature area), the fan could start abruptly. Therefore, when working in engine compartment, the operator must be cautious to avoid accident!

Instruction:

If the coolant temperature has reached the fan starting temperature, but the fan does not work, you should check whether the fuse of fan is fusing, and replace the fuse if necessary. Find out other reasons if the replacement of fuse does not work.

The speed of fan is independent of the speed of engine. Downshifting can't improve the cooling effect of the fan; therefore, as long as the engine operates well and the speed of going downhill does not reduce evidently, you don't have to downshift.

Chapter2 Driving Introduction

Starting

Preparation Work before Starting

The engine starting is controlled by the electronic control system of engine.

As starting the electric injection engine, don't step on the accelerator pedal before or during starting. The accelerator pedal can be stepped only when the starting is difficult. Please refer to section "The Start of Engine" for details.



Long-time running of engine at high speed will cause excessively high temperature of the engine and exhaust system, which will possibly result in fire and other damages. Therefore, don't park the vehicle on the ground with dry grass or other dry coverings.



Don't start the vehicle in the enclosed garage or other closed areas for a long time, for the exhaust gas is noxious. Do open the garage gate before starting the vehicle, please refer to section "Cautions of Exhaust Gas" in this chapter for details.

Safety Precautions

The idle speed of engine is controlled by electronic control system. The high idle speed as the engine starting makes for the temperature rise of engine. After the temperature rise, the idle speed should be reduced automatically. If the idle speed can't be reduced automatically, the vehicle should be sent to Chery authorized service station for overhaul. Don't let the engine operate for over 10 minutes at the speed higher than the specified idle speed.

Precautions before Starting

- Make sure the safety belts of all the passengers are fastened. Refer to the chapter "Seat and Safety Protection Device" for the details of the safety belt and its correct usage.
 - Make sure the power supplies of headlamp and other electric accessories are cut off.
 - Make sure the hand brake is applied.
 - Make sure the selector lever is set at the neutral position.
 - Turn the ignition switch to the "ON" position, and don't switch it to the position "START".
- If it is hard to turn the key, you can rotate the steering wheel left and right for several times until the key can be turned easily. Reasons causing this situation are listed as follows:
- Deflection of the front wheel.
 - The front wheel touches curb.
 - The steering wheel has been rotated as getting on or off the vehicle (viz. the steering wheel is self-locked).

- While turning on the ignition key, make sure whether the instrument panel alarm lamp is on, if not, it is necessary to deliver the vehicle to Chery authorized service station for overhaul.

If the safety belt of driver has been fastened before turning on the ignition key, the safety belt alarm lamp will not light.

The Start of Engine

1. Turn the ignition switch to "START", don't step on the gas accelerator pedal, and release it at once after the engine is started, then the key goes back to the "ON" position.
6. If the ambient temperature is normal or much higher and the engine can't be started within 5 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 5-10 seconds.
7. If the ambient temperature is much lower and the engine can't be started within 15 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 10 seconds. If it can't be started for the second time, step on the accelerator pedal properly and turn the switch to the "START" position. After the engine is started, release the key, and release the accelerator pedal gradually

along with the engine speed increases.

8. After the engine is started, keep it operate at idle speed for several seconds, then step on the clutch, shift to the driving gear, and release the hand brake to complete the preparation for driving.
9. The ambient temperature for the normal start of engine is -25C~40C (if the ambient temperature is out of this scope, other abnormal conditions may occur).

Cautions of Exhaust Gas

Although the vehicle exhaust gas has low toxicity, it contains carbon monoxide which should be beware of. Some components of the exhaust gas and some chemicals contained in or emitted by certain parts may cause cancer and birth defect etc.



If there is a peculiar smell of exhaust gas inside the vehicle, please go to Chery authorized service station for overhaul, don't continue driving, because the exhaust gas is noxious and may be life-threatening.

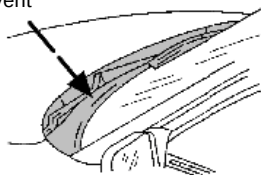
Please check the vehicle exhaust system and the body ventilation system in case of the following conditions.

- When lifting the vehicle for overhaul.
- When the sound of exhaust system changes.
- When the vehicle is damaged in collision.

Pay Attention to Ventilation

When the vehicle has been parked on the open area at idle speed for a long time, open the window by over 2.5cm, or enable the ventilation function of air conditioner to get the fresh air enter the vehicle.

Vent



Remove the blocks of snow, leaves and other foreign materials at vent, in order to ensure the ventilation effect of vehicle.

Adaptive Function of the Engine Control System

If the battery wire was once removed from the battery, there may be some abnormal phenomena at the very beginning of the traveling after reconnection. This is because the engine control system is relearning to adapt to the engine, which is normal.

Limitation of Engine Speed

The engine speed is limited by electronic device (ECU) to protect the engine.



Engine Flameout

Release the accelerator pedal. Wait for the engine to reduce to the idle speed, and then shut down the ignition switch.



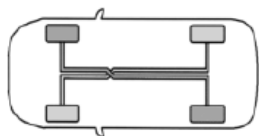
Don't step on the accelerator pedal before stopping the engine.

For parking after long-time traveling at high speed, don't stop the engine immediately; let the engine operate another 2 minutes at the speed higher than idle speed, in order to make the temperature decrease gradually.



After the ignition switch is turned off to stop the engine, the engine temperature is still high, and the electronic cooling fan of radiator will continue to operate for about 10 minutes. Even though the cooling fan stops operation, it may operate again because of the high temperature. Therefore, you have to be cautious when working beside the engine.

Brake



Dual-Circuit Brake System

Your vehicle is equipped with X-type dual-circuit system. If one of the circuits does not work, the other can still operate well.



When one of the circuits does not work, it is necessary to step on the brake pedal with great force, and the stopping distance becomes longer. If this situation occurs, please send the vehicle to Chery authorized service station for overhaul, and then you can continue your travel.

Alarm for Too Low Brake Fluid Level

If the ignition switch is set at "ON" Position, and the malfunction indicator lamp  on the instrument panel is on all the time, it indicates the front & rear electronic brake distribution systems fail or the brake fluid level is too low. The height of brake level shall be checked regularly according to the requirement.



If the brake fluid level is found too low, the brake fluid shall be added immediately to keep the level 2mm below MAX and 4mm above MIN, and the vehicle shall be sent to Chery authorized service station to check the brake system.

Introduction to Brake System Operation

It is normal that the brake system makes a noise sometimes. But if it has made noises of

metal grinding or screeches for a long time, it indicates the brake lining may be seriously worn and needs to be replaced. Here the vehicle shall be sent to Chery authorized service station for overhaul.

If there is continuous jitter or vibration passing to the steering wheel when braking, the vehicle shall be sent to Chery authorized service station for overhaul.

The new friction lining of brake has to be run in to get the best braking effect. The braking effect may reduce a little in the first 200 km, in this situation, only stepping on the pedal with a larger force can retrieve the braking efficiency. This point is also applicable for the newly-replaced brake lining.

The wearing conditions of the brake friction lining mostly depends on the working condition and driving manner. For the vehicles mainly used on the city road, the working conditions of the brake friction lining is very rigorous for frequent starting and shutdown, therefore, please be sure to check the thickness of brake friction lining or change it at Chery authorized service station according to the service mileage specified by maintenance rules.

When traveling downhill, it is necessary to downshift and take full advantage of the braking function of the engine to reduce the load of brake system. Meanwhile, even if the brake is needed, the brake pedal shouldn't be stepped incessantly.

The moisture brake disc will reduce the braking efficiency. After traveling in water, rainstorm or washing vehicle, the brake pedal shall be stepped on lightly to warm up the brake disc and friction lining through friction so as to evaporate the water and restore the braking efficiency.



If the front spoiler is mounted optionally on the vehicle, it is necessary to ensure the air to the front brake is unobstructed, or else the brake system may be too hot for poor radiation and the braking efficiency may be reduced.

Brake Booster



The brake booster is controlled by engine vacuum. It works only when the engine operates. Therefore, don't stop the engine for sliding as going downhill.

If the brake booster can not work because the vehicle is drawn or it breaks down, it is necessary to step on the brake pedal with great force to restore the assisting efficiency of the booster.



Each pedal should be stepped to the end and return back to the original position completely, and should move freely.

Therefore, the floor around can not be covered by foot mat or other coverings. If it surely is necessary, it shall be assured that the foot mat not hamper the movement of pedal and not slide.

ABS Anti-lock Brake System (*)

The anti-lock brake system can avoid the wheel lock and even let the vehicle maintain the steering performance in case of emergency braking so as to help you to avoid obstructions.

Actions of ABS



The anti-lock brake system works only with the service braking. If the brake pedal pulsates with noise during braking, it indicates the ABS is working. The pulsation and noise are normal. Don't release the brake pedal at the moment.

Make Use of ABS Brake

Step on the brake pedal with all effort continuously in emergency, and the antilock brake system will be started immediately so that you are still able to control the steering. If the space is enough, you can even avoid obstructions.

It is suggested that you should have acquaintance with the brake skills; however, you should avoid any unnecessary risk.



ABS can ensure best braking efficiency, but the parking distance will be greatly different based on the road conditions. ABS can't ensure the brake distance can be shortened under all road conditions. For example, in the sand or snow field, the brake distance of the vehicle with ABS is much longer than that of the vehicle without ABS.

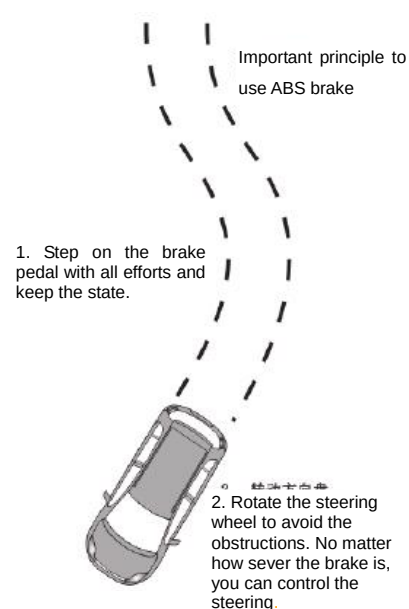
In the same way, the use of ABS can't avoid the dangers caused by short distance to the front vehicle, traveling in water, too fast steering or poor road condition; it can't avoid the accidents caused by mistake as well as the incorrect driving either. Please be cautious of driving and reduce the speed as turning.

ABS Self-check

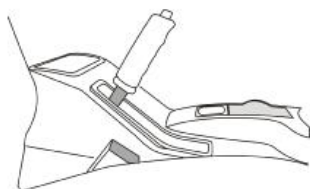
After the vehicle starting up, the ABS electronic control system will carry out self-check. In the process, you can hear the noise of machine, it is normal.



During traveling, if it is found the ABS alarm lamp on, it indicates there is malfunction in the circuit of ABS system and the ABS system fails to function but the regular brake is not affected. In this situation, please contact Chery authorized service station as soon as possible.



Hand Brake



The hand brake handle should be pulled upward tightly to avoid the vehicle sliding for oversight.



Please be sure to pull up the hand brake handle before leaving the vehicle.

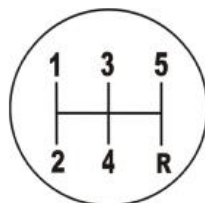
In the condition that the ignition switch is on, pull the hand brake handle, and the parking braking indicator lamp will light. If you want to use the hand brake, pull the hand brake handle upward.

If you want to release the hand brake, you can pull the hand brake handle upward a little, press the release button on the top of handle and then push it downwards.

The manual brake works on the rear wheels. Stepping on the brake pedal while pulling the manual brake upwards can make the hand brake pulled easily.

Operation of Manual Transmission

The order of gears is shown in the following figure:



Application/operation methods and precautions:

- Step on the clutch pedal completely as shifting in order to make the transmission input shaft separated with engine power, and then operate the shift lever to shift.
- The low gear shall be applied as going downhill or turning, and it is forbidden to make the vehicle slide with the clutch separated.
- When the transmission is shifting up, don't skip over gears, or else it will affect the service life of the synchronizer.
- Flapping method (that is the operation method of pushing followed by releasing) is forbidden as shifting. The shift gear shall be pressed with hand all the time, which can reduce the wearing time of the lock ring of synchronizer and reduce the abrasion.
- Don't put your hand on the shift lever as traveling, or else it will cause too early abrasion of shift fork.
- IF there are abnormal phenomena of transmission in use such as abnormal sound and obviously difficult operation, stop the vehicle at once to for check and continue to

travel after troubleshooting.



Reverse gear is forbidden during traveling, or else it will damage the transmission. The resultant malfunction is out of the warranty scope of Chery Company.

Steering

In order to avoid damaging the power steering system:

- When the engine operating, it is forbidden to let the steering wheel stay at any limit point (turn to the left or right dead center) for over 10 seconds.
- When the power steering fluid in the power steering fluid reservoir is below the MIN mark, the power steering fluid shall be added immediately. Before filling, driving vehicle is forbidden.

If the power steering system breaks down or the engine is shut off, the vehicle will lose the power-assisted steering. You still can rotate the steering wheel but with more force.

If the vehicle is off tracking or swaying during traveling, please check the following items:

- Whether the pressures of two front tyres are the same;
- Whether the abrasion of tyres is uniform;
- Whether the suspension components are loosening or wearing;
- Whether the steering components is loosening or wearing;
- Whether the wheel alignment is correct.

EPS Electric Power Steering System (*)

The EPS, electric power steering in full, takes the torque generated by motor as the boosting source to replace the boosting manner employed by general vehicles (i.e., engine drives hydraulic pump). When the malfunction diagnosis system finds the malfunction, the malfunction indicator lamp “” on the combination instrument will be lighted.



During traveling, if the EPS malfunction indicator lamp is lighted, it indicates the EPS goes wrong. In this situation, even if the basic operation can be maintained, it is required to contact Chery authorized service station at once.

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If the vehicle has to wade during traveling, you must drive carefully and slowly, especially when you don't know the details of the river. If the water is deep to submerge the hub, you shall not drive forwards.

When wading, both the tractive force and brake performance reduce, and the vehicle has the risk of flameout.

If the water goes into the air intake pipe of engine, it will cause serious damage to the engine. If wading deeply, the water entering the transmission through air vent of transmission, it will damage the transmission.

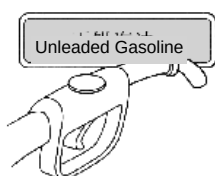
After wading, you must drive the vehicle slowly and step on the brake pedal lightly for several times to remove the water on the brake.

Three-way Catalytic Converter

The three-way catalytic converter contributes to reducing the waste air pollution.



Be sure to use the unleaded fuel. The leaded fuel will cause permanent damage to the three-way catalytic converter and oxygen sensor. Chery Company will not bear any responsibility for the damage resulted by using leaded fuel. This kind of damage is out of the warranty scope. If you add the leaded fuel inadvertently, please contact the nearest Chery authorized service station immediately.



The vehicle with gasoline engine is equipped with narrow fuel filler, which only admits the filling gun nozzle of the unleaded petrol pump.



If the engine is operating all the while, the three-way catalytic converter will become very hot. Be sure to wear protective gloves during maintenance to avoid scald.



When the gasoline engine operates, it is forbidden to pull out the ignition cable of the ignition coil and check whether the engine works well with individual cylinder cut-off method, or else it will damage the three-way catalytic converter.

Driving the Vehicle Equipped with Catalytic Converter



During traveling, if the engine ignites badly or the performance reduces, please drive at low speed to the nearest Chery authorized service station.

Please avoid all the cases that can cause the unburned or partly burnt fuel to enter the catalytic converter, especially when the engine is of high temperature.

Always avoid the following cases:

- Fuel exhaustion.
- Unnecessary long-time starting of the engine.
- The engine operates in the condition that more than one spark plugs are removed.
- Start the vehicle with the engine at operating temperature through pushing or drawing.

- Turn off the ignition switch during traveling.

Parking

Don't park on the ground with dry leaves or grass. Even if the engine has been stalled, there is a potential fire hazard because the exhaust pipe still emits much heat in short time.

Before leaving the vehicle, the ignition switch must be turned off. Don't let the engine operate when nobody in the vehicle. If this point is neglected, your vehicle is likely to move unexpectedly, resulting in personal injury or property damage.

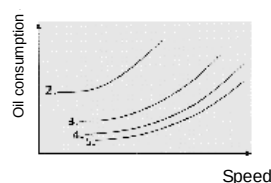
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Your vehicle has been quipped with thermal baffle. Don't hold painting work on the thermal baffle, exhaust pipe or the catalytic converter body or beside them. Please don't remove the thermal baffle.

Oil Consumption

Oil consumption is influenced by the following factors:

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- Stroke / engine temperature

Regular cold-start and shot-range travel will result in obvious increase of the oil consumption.

- Traffic and road conditions

Traffic jam, uphill driving, lots of curves and rough road all affect the oil consumption.

- Good driving habit

Foresee the danger and keep safety distance from the front vehicles, which not only can decrease oil consumption but reduce the braking abrasion and noise.

- Vehicle loaded condition

Increase the load of vehicle will cause higher oil consumption.

- Vehicle technical condition

Too low tyre pressure or the improper maintenance of engine & vehicle will result in high oil consumption.

Key Points of Oil Saving and Environment Protection

- Travel based on oil saving and use additionally electrical load only as it is necessary.
- The vehicle can be started before warmed.
- Use the accelerator smoothly.
- Shift to next higher gear as soon as possible to get faster speed of engine.
- Foresee the traffic condition.
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- Check or adjust the tyre pressure regularly.
- Ask the professionals in Chery authorized service station to do maintenance regularly.

Radiator Fan

The radiator fan is an electric fan, and is controlled by the engine ECU. When the temperature of coolant or in the engine compartment reaches a certain extent, the switch will get through the fan circuit automatically.



After stopping the engine, the radiator fan will operate for a while (about 10 minutes) because the engine is still hot. When the engine gets cool to a certain temperature, the fan stops operation. Even so it, as long as the temperature of engine compartment increases greatly caused by the ambient temperature (exposure to sunlight or high temperature area), the fan could start abruptly. Therefore, when working in engine compartment, the operator must be cautious to avoid accident!

Instruction:

If the coolant temperature has reached the fan starting temperature, but the fan does not work, you should check whether the fuse of fan is fusing, and replace the fuse if necessary. Find out other reasons if the replacement of fuse does not work.

The speed of fan is independent of the speed of engine. Downshifting can't improve the cooling effect of the fan; therefore, as long as the engine operates well and the speed of going downhill does not reduce evidently, you don't have to downshift.

Chapter2 Driving Introduction

Starting

Preparation Work before Starting

The engine starting is controlled by the electronic control system of engine.

As starting the electric injection engine, don't step on the accelerator pedal before or during starting. The accelerator pedal can be stepped only when the starting is difficult. Please refer to section "The Start of Engine" for details.



Long-time running of engine at high speed will cause excessively high temperature of the engine and exhaust system, which will possibly result in fire and other damages. Therefore, don't park the vehicle on the ground with dry grass or other dry coverings.



Don't start the vehicle in the enclosed garage or other closed areas for a long time, for the exhaust gas is noxious. Do open the garage gate before starting the vehicle, please refer to section "Cautions of Exhaust Gas" in this chapter for details.

Safety Precautions

The idle speed of engine is controlled by electronic control system. The high idle speed as the engine starting makes for the temperature rise of engine. After the temperature rise, the idle speed should be reduced automatically. If the idle speed can't be reduced automatically, the vehicle should be sent to Chery authorized service station for overhaul. Don't let the engine operate for over 10 minutes at the speed higher than the specified idle speed.

Precautions before Starting

- Make sure the safety belts of all the passengers are fastened. Refer to the chapter "Seat and Safety Protection Device" for the details of the safety belt and its correct usage.
 - Make sure the power supplies of headlamp and other electric accessories are cut off.
 - Make sure the hand brake is applied.
 - Make sure the selector lever is set at the neutral position.
 - Turn the ignition switch to the "ON" position, and don't switch it to the position "START".
- If it is hard to turn the key, you can rotate the steering wheel left and right for several times until the key can be turned easily. Reasons causing this situation are listed as follows:
- Deflection of the front wheel.
 - The front wheel touches curb.
 - The steering wheel has been rotated as getting on or off the vehicle (viz. the steering wheel is self-locked).

- While turning on the ignition key, make sure whether the instrument panel alarm lamp is on, if not, it is necessary to deliver the vehicle to Chery authorized service station for overhaul.

If the safety belt of driver has been fastened before turning on the ignition key, the safety belt alarm lamp will not light.

The Start of Engine

1. Turn the ignition switch to "START", don't step on the gas accelerator pedal, and release it at once after the engine is started, then the key goes back to the "ON" position.
10. If the ambient temperature is normal or much higher and the engine can't be started within 5 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 5-10 seconds.
11. If the ambient temperature is much lower and the engine can't be started within 15 seconds, try to start again after turning the key to the "ACC" position and keeping the state for 10 seconds. If it can't be started for the second time, step on the accelerator pedal properly and turn the switch to the "START" position. After the engine is started, release the key, and release the accelerator pedal gradually

along with the engine speed increases.

12. After the engine is started, keep it operate at idle speed for several seconds, then step on the clutch, shift to the driving gear, and release the hand brake to complete the preparation for driving.
13. The ambient temperature for the normal start of engine is -25C~40C (if the ambient temperature is out of this scope, other abnormal conditions may occur).

Cautions of Exhaust Gas

Although the vehicle exhaust gas has low toxicity, it contains carbon monoxide which should be beware of. Some components of the exhaust gas and some chemicals contained in or emitted by certain parts may cause cancer and birth defect etc.



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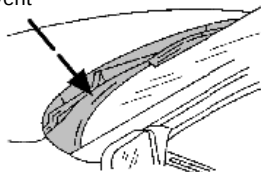
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- When lifting the vehicle for overhaul.
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- When the vehicle is damaged in collision.

Pay Attention to Ventilation

When the vehicle has been parked on the open area at idle speed for a long time, open the window by over 2.5cm, or enable the ventilation function of air conditioner to get the fresh air enter the vehicle.

Vent



Remove the blocks of snow, leaves and other foreign materials at vent, in order to ensure the ventilation effect of vehicle.

Adaptive Function of the Engine Control System

If the battery wire was once removed from the battery, there may be some abnormal phenomena at the very beginning of the traveling after reconnection. This is because the engine control system is relearning to adapt to the engine, which is normal.

Limitation of Engine Speed

The engine speed is limited by electronic device (ECU) to protect the engine.



Engine Flameout

Release the accelerator pedal. Wait for the engine to reduce to the idle speed, and then shut down the ignition switch.



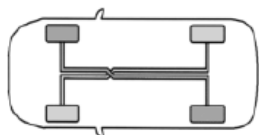
Don't step on the accelerator pedal before stopping the engine.

For parking after long-time traveling at high speed, don't stop the engine immediately; let the engine operate another 2 minutes at the speed higher than idle speed, in order to make the temperature decrease gradually.



After the ignition switch is turned off to stop the engine, the engine temperature is still high, and the electronic cooling fan of radiator will continue to operate for about 10 minutes. Even though the cooling fan stops operation, it may operate again because of the high temperature. Therefore, you have to be cautious when working beside the engine.

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Dual-Circuit Brake System

Your vehicle is equipped with X-type dual-circuit system. If one of the circuits does not work, the other can still operate well.



When one of the circuits does not work, it is necessary to step on the brake pedal with great force, and the stopping distance becomes longer. If this situation occurs, please send the vehicle to Chery authorized service station for overhaul, and then you can continue your travel.

Alarm for Too Low Brake Fluid Level

If the ignition switch is set at "ON" Position, and the malfunction indicator lamp  on the instrument panel is on all the time, it indicates the front & rear electronic brake distribution systems fail or the brake fluid level is too low. The height of brake level shall be checked regularly according to the requirement.



If the brake fluid level is found too low, the brake fluid shall be added immediately to keep the level 2mm below MAX and 4mm above MIN, and the vehicle shall be sent to Chery authorized service station to check the brake system.

Introduction to Brake System Operation

It is normal that the brake system makes a noise sometimes. But if it has made noises of

metal grinding or screeches for a long time, it indicates the brake lining may be seriously worn and needs to be replaced. Here the vehicle shall be sent to Chery authorized service station for overhaul.

If there is continuous jitter or vibration passing to the steering wheel when braking, the vehicle shall be sent to Chery authorized service station for overhaul.

The new friction lining of brake has to be run in to get the best braking effect. The braking effect may reduce a little in the first 200 km, in this situation, only stepping on the pedal with a larger force can retrieve the braking efficiency. This point is also applicable for the newly-replaced brake lining.

The wearing conditions of the brake friction lining mostly depends on the working condition and driving manner. For the vehicles mainly used on the city road, the working conditions of the brake friction lining is very rigorous for frequent starting and shutdown, therefore, please be sure to check the thickness of brake friction lining or change it at Chery authorized service station according to the service mileage specified by maintenance rules.

When traveling downhill, it is necessary to downshift and take full advantage of the braking function of the engine to reduce the load of brake system. Meanwhile, even if the brake is needed, the brake pedal shouldn't be stepped incessantly.

The moister brake disc will reduce the braking efficiency. After traveling in water, rainstorm or washing vehicle, the brake pedal shall be stepped on lightly to warm up the brake disc and friction lining through friction so as to evaporate the water and restore the braking efficiency.



If the front spoiler is mounted optionally on the vehicle, it is necessary to ensure the air to the front brake is unobstructed, or else the brake system may be too hot for poor radiation and the braking efficiency may be reduced.

Brake Booster



The brake booster is controlled by engine vacuum. It works only when the engine operates. Therefore, don't stop the engine for sliding as going downhill.

If the brake booster can not work because the vehicle is drawn or it breaks down, it is necessary to step on the brake pedal with great force to restore the assisting efficiency of the booster.



Each pedal should be stepped to the end and return back to the original position completely, and should move freely.

Therefore, the floor around can not be covered by foot mat or other coverings. If it surely is necessary, it shall be assured that the foot mat not hamper the movement of pedal and not slide.

ABS Anti-lock Brake System (*)

The anti-lock brake system can avoid the wheel lock and even let the vehicle maintain the steering performance in case of emergency braking so as to help you to avoid obstructions.

Actions of ABS



The anti-lock brake system works only with the service braking. If the brake pedal pulsates with noise during braking, it indicates the ABS is working. The pulsation and noise are normal. Don't release the brake pedal at the moment.

Make Use of ABS Brake

Step on the brake pedal with all effort continuously in emergency, and the antilock brake system will be started immediately so that you are still able to control the steering. If the space is enough, you can even avoid obstructions.

It is suggested that you should have acquaintance with the brake skills; however, you should avoid any unnecessary risk.



ABS can ensure best braking efficiency, but the parking distance will be greatly different based on the road conditions. ABS can't ensure the brake distance can be shortened under all road conditions. For example, in the sand or snow field, the brake distance of the vehicle with ABS is much longer than that of the vehicle without ABS.

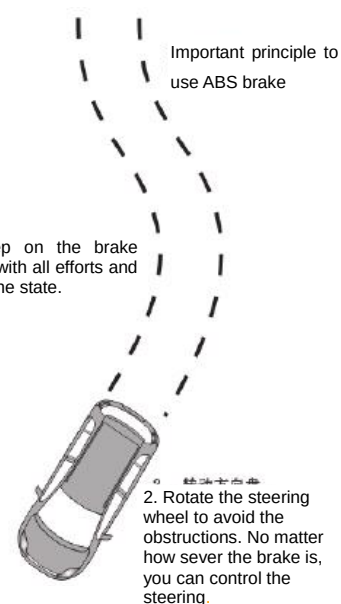
In the same way, the use of ABS can't avoid the dangers caused by short distance to the front vehicle, traveling in water, too fast steering or poor road condition; it can't avoid the accidents caused by mistake as well as the incorrect driving either. Please be cautious of driving and reduce the speed as turning.

ABS Self-check

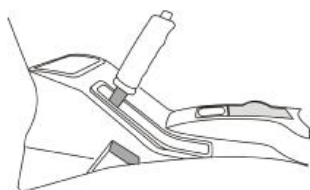
After the vehicle starting up, the ABS electronic control system will carry out self-check. In the process, you can hear the noise of machine, it is normal.



During traveling, if it is found the ABS alarm lamp on, it indicates there is malfunction in the circuit of ABS system and the ABS system fails to function but the regular brake is not affected. In this situation, please contact Chery authorized service station as soon as possible.



Hand Brake



The hand brake handle should be pulled upward tightly to avoid the vehicle sliding for oversight.



Please be sure to pull up the hand brake handle before leaving the vehicle.

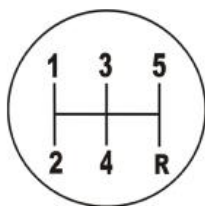
In the condition that the ignition switch is on, pull the hand brake handle, and the parking braking indicator lamp will light. If you want to use the hand brake, pull the hand brake handle upward.

If you want to release the hand brake, you can pull the hand brake handle upward a little, press the release button on the top of handle and then push it downwards.

The manual brake works on the rear wheels. Stepping on the brake pedal while pulling the manual brake upwards can make the hand brake pulled easily.

Operation of Manual Transmission

The order of gears is shown in the following figure:



Application/operation methods and precautions:

- Step on the clutch pedal completely as shifting in order to make the transmission input shaft separated with engine power, and then operate the shift lever to shift.
- The low gear shall be applied as going downhill or turning, and it is forbidden to make the vehicle slide with the clutch separated.
- When the transmission is shifting up, don't skip over gears, or else it will affect the service life of the synchronizer.
- Flapping method (that is the operation method of pushing followed by releasing) is forbidden as shifting. The shift gear shall be pressed with hand all the time, which can reduce the wearing time of the lock ring of synchronizer and reduce the abrasion.
- Don't put your hand on the shift lever as traveling, or else it will cause too early abrasion of shift fork.
- IF there are abnormal phenomena of transmission in use such as abnormal sound and obviously difficult operation, stop the vehicle at once to for check and continue to

travel after troubleshooting.



Reverse gear is forbidden during traveling, or else it will damage the transmission. The resultant malfunction is out of the warranty scope of Chery Company.

Steering

In order to avoid damaging the power steering system:

- When the engine operating, it is forbidden to let the steering wheel stay at any limit point (turn to the left or right dead center) for over 10 seconds.
- When the power steering fluid in the power steering fluid reservoir is below the MIN mark, the power steering fluid shall be added immediately. Before filling, driving vehicle is forbidden.

If the power steering system breaks down or the engine is shut off, the vehicle will lose the power-assisted steering. You still can rotate the steering wheel but with more force.

If the vehicle is off tracking or swaying during traveling, please check the following items:

- Whether the pressures of two front tyres are the same;
- Whether the abrasion of tyres is uniform;
- Whether the suspension components are loosening or wearing;
- Whether the steering components is loosening or wearing;
- Whether the wheel alignment is correct.

EPS Electric Power Steering System (*)

The EPS, electric power steering in full, takes the torque generated by motor as the boosting source to replace the boosting manner employed by general vehicles (i.e., engine drives hydraulic pump). When the malfunction diagnosis system finds the malfunction, the malfunction indicator lamp “” on the combination instrument will be lighted.



During traveling, if the EPS malfunction indicator lamp is lighted, it indicates the EPS goes wrong. In this situation, even if the basic operation can be maintained, it is required to contact Chery authorized service station at once.

Wading

If the vehicle has to wade during traveling, you must drive carefully and slowly, especially when you don't know the details of the river. If the water is deep to submerge the hub, you shall not drive forwards.

When wading, both the tractive force and brake performance reduce, and the vehicle has the risk of flameout.

If the water goes into the air intake pipe of engine, it will cause serious damage to the engine. If wading deeply, the water entering the transmission through air vent of transmission, it will damage the transmission.

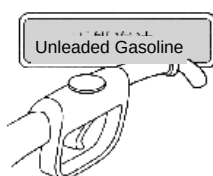
After wading, you must drive the vehicle slowly and step on the brake pedal lightly for several times to remove the water on the brake.

Three-way Catalytic Converter

The three-way catalytic converter contributes to reducing the waste air pollution.



Be sure to use the unleaded fuel. The leaded fuel will cause permanent damage to the three-way catalytic converter and oxygen sensor. Chery Company will not bear any responsibility for the damage resulted by using leaded fuel. This kind of damage is out of the warranty scope. If you add the leaded fuel inadvertently, please contact the nearest Chery authorized service station immediately.



The vehicle with gasoline engine is equipped with narrow fuel filler, which only admits the filling gun nozzle of the unleaded petrol pump.



If the engine is operating all the while, the three-way catalytic converter will become very hot. Be sure to wear protective gloves during maintenance to avoid scald.



When the gasoline engine operates, it is forbidden to pull out the ignition cable of the ignition coil and check whether the engine works well with individual cylinder cut-off method, or else it will damage the three-way catalytic converter.

Driving the Vehicle Equipped with Catalytic Converter



During traveling, if the engine ignites badly or the performance reduces, please drive at low speed to the nearest Chery authorized service station.

Please avoid all the cases that can cause the unburned or partly burnt fuel to enter the catalytic converter, especially when the engine is of high temperature.

Always avoid the following cases:

- Fuel exhaustion.
- Unnecessary long-time starting of the engine.
- The engine operates in the condition that more than one spark plugs are removed.
- Start the vehicle with the engine at operating temperature through pushing or drawing.

- Turn off the ignition switch during traveling.

Parking

Don't park on the ground with dry leaves or grass. Even if the engine has been stalled, there is a potential fire hazard because the exhaust pipe still emits much heat in short time.

Before leaving the vehicle, the ignition switch must be turned off. Don't let the engine operate when nobody in the vehicle. If this point is neglected, your vehicle is likely to move unexpectedly, resulting in personal injury or property damage.

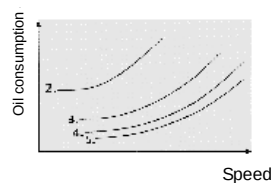
Chassis Protection

Your vehicle has been quipped with thermal baffle. Don't hold painting work on the thermal baffle, exhaust pipe or the catalytic converter body or beside them. Please don't remove the thermal baffle.

Oil Consumption

Oil consumption is influenced by the following factors:

- **The selection of speed & gear**



The above figure shows how the oil consumption is influenced by the selection of speed and gear. Operating at low gear to improve the acceleration performance will result in the obvious higher oil consumption.

- **Stroke / engine temperature**

Regular cold-start and short-range travel will result in obvious increase of the oil consumption.

- **Traffic and road conditions**

Traffic jam, uphill driving, lots of curves and rough road all affect the oil consumption.

- **Good driving habit**

Foresee the danger and keep safety distance from the front vehicles, which not only can decrease oil consumption but reduce the braking abrasion and noise.

- **Vehicle loaded condition**

Increase the load of vehicle will cause higher oil consumption.

- **Vehicle technical condition**

Too low tyre pressure or the improper maintenance of engine & vehicle will result in high oil consumption.

Key Points of Oil Saving and Environment Protection

- Travel based on oil saving and use additionally electrical load only as it is necessary.
- The vehicle can be started before warmed.
- Use the accelerator smoothly.
- Shift to next higher gear as soon as possible to get faster speed of engine.
- Foresee the traffic condition.
- Turn off the air conditioner and rear windshield heater if they are unnecessary.
- Check or adjust the tyre pressure regularly.
- Ask the professionals in Chery authorized service station to do maintenance regularly.

Radiator Fan

The radiator fan is an electric fan, and is controlled by the engine ECU. When the temperature of coolant or in the engine compartment reaches a certain extent, the switch will get through the fan circuit automatically.



After stopping the engine, the radiator fan will operate for a while (about 10 minutes) because the engine is still hot. When the engine gets cool to a certain temperature, the fan stops operation. Even so it, as long as the temperature of engine compartment increases greatly caused by the ambient temperature (exposure to sunlight or high temperature area), the fan could start abruptly. Therefore, when working in engine compartment, the operator must be cautious to avoid accident!

Instruction:

If the coolant temperature has reached the fan starting temperature, but the fan does not work, you should check whether the fuse of fan is fusing, and replace the fuse if necessary. Find out other reasons if the replacement of fuse does not work.

The speed of fan is independent of the speed of engine. Downshifting can't improve the cooling effect of the fan; therefore, as long as the engine operates well and the speed of going downhill does not reduce evidently, you don't have to downshift.

Chapter 5 Emergency Procedure

Danger Alarm Lamp



The danger alarm lamp is used only in case of emergencies to warn vehicles behind and in the opposite direction. If your vehicle breaks down or is in imminent danger, press the danger alarm lamp switch to turn on the lamp. To turn off the danger alarm lamp, just press this switch again. When the ignition switch is turned off, the danger alarm lamp can still work.

Local Operation Function

The control system of the engine of this vehicle has the local operation function, which enables the system to continue running even if it is faulty. However, the performance of the engine may deteriorate at that time.



Please deliver the vehicle immediately to Chery authorized service station for inspection.

Adding Fuel in Time



If the fuel gauge indicates low fuel level or the alarm lamp is on, add fuel as soon as possible.

When the fuel has reached a too low level and the low fuel level alarm lamp has been on for some time, the engine will run unsteadily as an extra warning. Please drive the vehicle to the nearest gas station to add fuel.



Failure to add fuel in time will cause the engine to stall on its own, leading to hard start, the necessity of first-aid from Chery authorized service station and even damage to the engine.

Using Fuel Gun Correctly

- The fuel gun shall be inserted into the fuel tank completely. Do not tilt it against the fuel filler.
- If an automatic fuel gun is used, once the gun closes automatically, it indicates that the fuel tank is filled up. In this case, do not attempt to continue filling, or there will be no expansion space in the fuel tank. Once the temperature rises, the fuel tank will overflow.
- After adding the fuel, make sure to tighten the fuel tank cap.
- If spare canned fuel is carried on the vehicle, make sure to observe relevant local laws and regulations.
- For safety reasons, it is advised not to carry spare canned fuel on the vehicle lest the oil can be damaged and the fuel overflow to cause fire.

Replacing Lamp Bulb

Before replacing any lamp bulb, make sure to turn off the lamp and disconnect the ignition switch. Unless in especially urgent situations, headlamp bulbs shall not be replaced by the user, because such lamp bulbs and relevant accessories need to be removed before replacement. For example, the washer reservoir needs to be removed if the right headlamp bulb is to be replaced while the resonant chamber be removed if the left headlamp bulb is to be replaced, and then the bulbs are replaced from behind the headlamps.

Don't hold the lamp bulb glass directly with fingers, otherwise fingerprints left on it will volatilize due to heat from the lighted lamp, deposit on the mirrors and darken the reflector.

To replace a lamp bulb, make sure to use a bulb of same type. Please check the specification of the lamp bulb before installing it.

High Beam Lamp Bulb and Low Beam Lamp Bulb

12V 55W, 12V 55W

Turn Lamp Bulb, Reverse Lamp Bulb and Rear Fog Lamp Bulb

12V 21W

Stop Lamp Bulb

12V 18W

License Lamp Bulb, Position Lamp Bulb, Side Turn Lamp Bulb, and High-Mounted Stop Lamp Bulb

12V 5W

Stop Lamp Bulb and Position Lamp Bulb

12V 18W, 12V 5W

Front Fog Lamp Bulb

12V 55W



Each time a headlamp bulb has been replaced, the headlamp shall be corrected. Chery authorized service station can provide this service for you.

Adjusting Headlamp Beam

The proper adjustment of the headlamp beam directly concerns the driving safety. Therefore, only special instruments can be used to adjust the beam. Please observe the law in this regard.

Fuse and Relay



Before the fuses and the relay are replaced, the ignition switch and all the electrical equipment shall be turned off.

New fuses of the same ratings shall be used to replace the faulty ones. The location of the fuse box containing the main fuse and the relay is as shown in the figure.

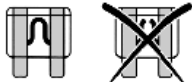
To replace the relay, special knowledge is needed.

It is advised to carry several spare fuses on the vehicle for emergency use.

Chery authorized service station provides fuses of various specifications.

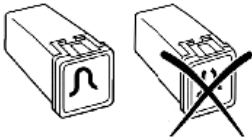
A burnt fuse can be identified by the disconnection of the fuse. All the fuses are of the push-in type.

Fuse



Color marks of fuses	
Colors	Amperes
Brown	5
Auburn	7.5
Red	10
Blue	15
Light green	20

Fuse Tube



Color marks of fuse tubes	
Colors	Amperes
Green	30
Orange	40
Yellow	60

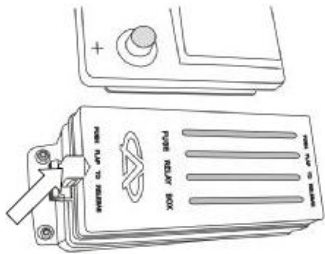
 When a fuse is replaced, the ampere value specified for electric box shall be applied, otherwise part of the circuit or even the whole vehicle may be burned and damaged.

 Any unauthorized alteration to the electrical system or fuel system of vehicle can affect the vehicle performance and may cause fire or safety dangers. Therefore, it is advised that any work involving the removal of the fuel system or electrical system, or the replacement of the relay be done by Chery authorized service station.

Replacing Fuse

Your vehicle is equipped with the fuse extractor, which can be found in the fuse box of the engine compartment.

Engine Compartment Electric Box



The engine compartment electric box is located in the left side of engine compartment, right ahead of the battery. While checking or replacing its fuses, loosen the catch pawl and pull up the cover plate of the fuse box, and then the cover plate can be removed ("B+" is the main power supply of the fuse box).

Instrument Electric Box

The instrument electric box is located in the left side of instrument panel. Open the protective cover of the electric box and the instrument electric box can be seen. Then check or replace the fuses.

Replacing Wheel



Before jacking up the vehicle, make sure to observe the following precautions.

1. Park your vehicle in a proper place and make sure that the replacement of tyres will not affect the traffic or endanger yourself.
2. Make sure that the vehicle is on a firm and even ground. If necessary, use a proper wedge block to stop the wheels and further secure your vehicle.
3. Make sure that the front wheels point to the front.

4. If the vehicle is equipped with the automatic transmission, please set it to position P.

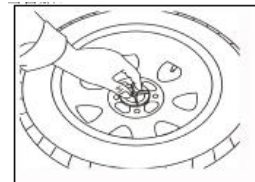
Spare Tyre

The spare tyre is located under the carpet in the luggage boot.

Procedure for Replacing Spare

Tyre

The spare tyre is located under the carpet in the luggage boot. Open the luggage boot, loosen the nuts securing the spare tyre anticlockwise by hand and take out the spare tyre.



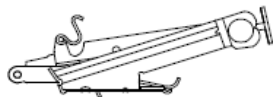
To mount the spare tyre or the faulty wheel, insert the set screw of the spare tyre fixed on the body into the mounting hole of the tyre and screw in the set nut of the spare tyre clockwise.

On-vehicle Jack

The jack is located in the left of the spare tyre in the luggage boot.



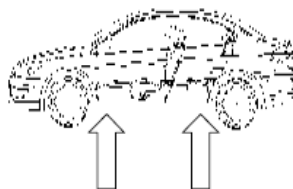
Jack up the vehicle with the on-vehicle jack only when a wheel is to be replaced. In this case, operation under the vehicle is prohibited.



The maximum operating load of the jack is 785kg.

Jack-up Position

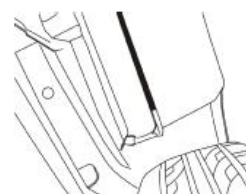
The jack can only be rested in specific positions under the car as shown in the figure. The groove part of the jack shall be rested on the raised part of the bottom of the vehicle, as near as possible to the wheel to be repaired.



The jack-up position of the front wheels is the part filled in black in the figure.

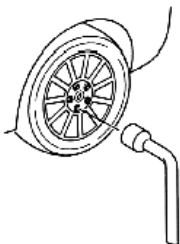


The jack-up position of the rear wheels is the part filled in black in the figure.



Removing Wheel

1. Make sure that the vehicle is on a firm and even ground and the front wheels point to the front.
2. Turn off the ignition switch and select position P if the automatic transmission is equipped.
3. Ask the passengers to get off and pull up the hand brake.
4. If necessary, use a proper wheel block stop to secure the vehicle and prevent it from rolling or sliding.
5. Use special tools on the vehicle to loosen the wheel bolts as shown in the following figure.

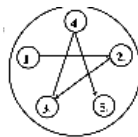


6. Place the jack so that the whole foot seat surface is located on a firm ground.
7. The jack shall be jacked up vertically to the jack-up point.
8. Jack up the vehicle until the wheel is above the ground.
9. Loosen the wheel bolts to remove the wheel.

Mount Wheel

1. Push the wheel onto the wheel hub bearing to align it with the bolt hole, screw on the wheel bolt clockwise and make sure the pointed end of the wheel nut faces the wheel.

2. Tighten the wheel nuts in diagonal sequence for two or three times until they are fastened (the tightening torque is $110 \pm 10 \text{ N} \cdot \text{M}$).



3. Lower the vehicle to remove the jack.
4. Replace the jack and the faulty wheel, and secure them.
5. If possible, deliver the wheel to Chery authorized service station to check the tightening torque of the wheel bolt and the tyre pressure.
6. Since the spare tyre may be in storage for a long time, its tyre shall be inflated with a pressure slightly higher than that of the normally used tyre to ensure that the spare tyre has standard pressure in it.

Battery

Your vehicle is equipped with a 12V maintenance-free lead-acid battery.

Safety Advises



While handling the battery, make sure to take the following precaution measures.



- The acid liquid of the battery is corrosive. Be sure to wear gloves and goggles. Do not allow your skin or clothing to come in contact with acid or lead. Do not tilt the battery, for the acid liquid may flow from the vent opening. If the acid liquid splashes into your eyes, wash your eyes immediately with clean water for several minutes and then seek doctor's advice. If the acid liquid splashes onto your skin or clothing,

neutralize it with alkaline water (soap) and then wash your skin or clothing with clean water. If the acid liquid is swallowed, rush to the hospital immediately.



- Keep children away from the acid liquid of the battery.



- When the battery is being charged, it will release explosive gases. So any naked fire, spark and smoking are forbidden.

While doing wiring and electrical work, please avoid sparks. Do not connect the electrodes, or the resultant short circuit can cause sparks and thereby lead to injuries.



The electronic ignition system has high tension. Please do not touch the components in the system when the engine is running or the ignition switch is on.

Removal and Installation

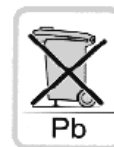
While removing and installing the battery, make sure to take the following precaution measures:

1. To replace the battery, only use a lead-acid battery, and don't use other types of batteries. The current and capacity of the new battery shall be the same as the old battery or the specification made by Chery. For the correct battery specification, please consult Chery authorized service station.
2. After the ignition switch and all the electrical devices have been turned off, remove the negative (-) cable first.
3. Try to prevent the metal tools from contacting the two electrodes of the battery at the same time or accidentally contacting the positive pole and the body.

4. When re-connecting the battery, first connect the positive (+) cable and then the negative (-) cable.
5. If the battery is re-connected after being removed, the vehicle may initially show slightly abnormal performance. This indicates that the control system of the engine is re-adapting to the engine.



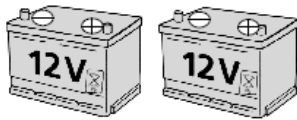
The used battery contains sulphur acid and lead, so it shall not be discarded as normal household rubbish. Please deliver it to qualified local waste disposal stations.



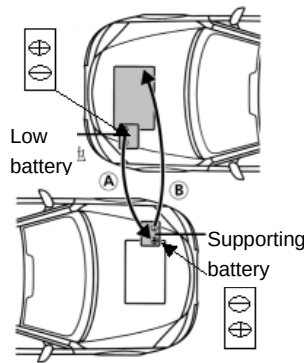
Engine Jump-start Method

If the battery of the vehicle has no power, battery power of other vehicles can be input to help the engine to start.

Only a battery of the same nominal voltage (12V) can be connected. Use jump leads with insulating clips and cables of proper sizes. Please do not disconnect the battery from the electrical system of the vehicle.



Connect Lead



1. Park the vehicles properly so that they do not contact each other.
2. Stop the engine and any other unnecessary electrical devices.
3. Connect the positive (+) terminal of the low battery with the positive (+) terminal of the supporting battery using lead A.

4. Connect one terminal of lead B with the negative (-) terminal of the supporting battery, and then connect the other terminal of lead B with the metal part of the engine to be started. Position the jumper leads to prevent it from contacting the running parts of the engine compartment.



The negative (-) terminal of the low battery shall not be connected with.

5. Make sure that the jumper cables do not interfere with the running parts of the engine.

Start Engine

1. The engine of the vehicle with the supporting battery shall run at a properly high speed.
2. Start the engine of vehicle with the low battery. Try to start the vehicle with the low battery within one minute.

- Before disconnecting the leads, run the engines of the two vehicles for three minutes.

Disconnect Lead

First disconnect lead B (-) and then lead A (+).

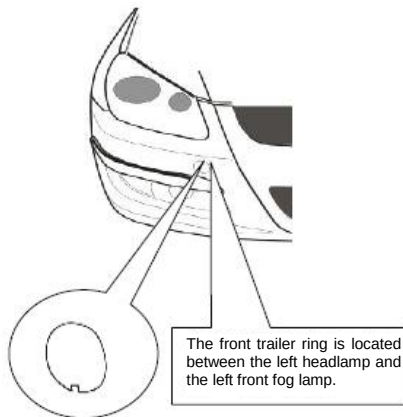


To reduce the voltage surge during the disconnection, please connect the blower and the electric-heated rear windshield of the vehicle with the low battery. Please do not turn on the headlamps in stead of the heated rear windshield, for the surge voltage may burn and damage the bulbs.

Breakdown Trailer

The vehicle is equipped with threaded holes for trailer rings at both the front and the rear. In the actual use, pry up the decorative cover with a flat tip screwdriver, and then pick the trailer ring from the on-vehicle tools and mount it into the threaded hole for the installation of the trailing cable.

The rear trailer ring is located in the right mid-and-lower position of the rear bumper. Its mounting is the same as that of the front trailer ring. During the trailing, drive the trailer slowly and smoothly to prevent the trailer and the trailed vehicle from bouncing. If the pulling force of the trailing cable is too big, the vehicle may be damaged.



Note: The bolt thread is screwed in anticlockwise.



During the trailing, the ignition switch of the trailed vehicle shall be in the "ON" position so that the steering wheel, the turn lamp and the brake lamp can all work. Since the engine is turned off, there is nor the braking or steering forces, so greater operating force is needed. Therefore, the braking and steering forces shall be increased accordingly.

Chapter 6 Maintenance

The regular maintenance for your vehicle is essential during the course of driving. Please strictly conduct the maintenance according to the maintenance schedule of the manual to guarantee your vehicle's best performance and good running state and extend the service life of vehicle. Carrying out the regular maintenance for the vehicle can also help you to discover and eliminate the hidden dangers and prevent the accidents timely. This chapter describes the detailed routine maintenance and inspection methods, so that please read it carefully.

Maintenance

Maintenance is divided into two categories: one is routine maintenance which can be completed by vehicle owners, and the other is regular maintenance, inspection and repair which should be finished by the special service station of Chery. Please strictly use the engine oil, petrol, antifreezing coolant and brake fluid recommended by this manual; otherwise, your vehicle may get damaged.

Services Provided for You by Chery Service Station

Only the original parts and materials can guarantee the normal service life of your vehicle. Please pay special attention to this: Chery Automobile Co., Ltd. only provide the original parts to the special service stations of Chery all over the country, so you can only get the original parts from special service stations of Chery.

Special service stations of Chery are the only professional repair points authorized by Chery Automobile Co., Ltd. and their staff have been strictly trained by Chery Automobile Co., Ltd. These staff will be sincere to provide you with the highest quality after-sales service. If you are not satisfied with the work they have done, please write directly to: After-sales Service of Sales Co., Ltd., Chery Automobile Co., Ltd., Economic and Technological Development Zone, Wuhu City, Anhui Province, or call the Customer Service Hotline: 400-883-8888, and we will be in the fastest speed to eliminate your worries. Don't forget to write down vehicle model, chassis code, engine code, mileage and delivery date in your letter.

Items You Must Implement

Regularly inspect the liquid level and add the oil liquid. Check the tyre pressure, the lamps and the brakes. Check the warning lamps. (See the Regular Maintenance Schedule below for reference).

Containers of brake fluid, coolant and power steering fluid are semitransparent to facilitate the quick visual inspection. .



Because of the high voltage inside the electronic ignition system, do not touch these components when the engine is running or the ignition switch is turned on.



The ignition switch should be turned off before the operation of engine compartment. Even if the ignition switch is turned off, the cooling fan may automatically operate all the same. Therefore, please be careful to avoid clothes (tie) being involved in the fan or driving belt.

General Maintenance for Vehicle



Only use the vehicle-washing area which does not harm the ecological drainage system.



The used engine oil, brake fluid, anti-freezing fluid, storage battery and tyre can only be treated by the qualified waste disposal agencies or by consulting the supporting factories, and are not allowed to be dumped along with the family rubbish or drained into the public drainage system. Everyone should be concerned about environmental protection and contribute to it.

Maintenance Schedule

Daily Inspection:

Operating conditions of all exterior and interior lamps. Replace the burned or dim bulbs and ensure the cleanness of all lenses.

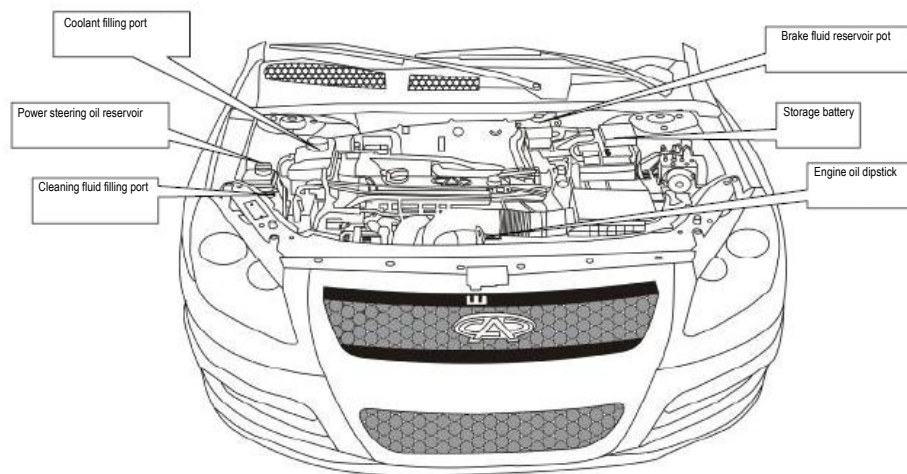
Inspection When Adding Fuel:

- Level of engine oil
- Level of brake fluid
- Level of windshield cleaning fluid
- Air pressure and state of tyres (only under cold state)
- Inspect all the pipelines of crankcase ventilation system to ensure there is no abrasion and breakage.

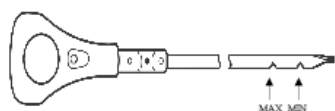
Monthly Inspection:

- Level of coolant level (engine in cold state)
- Leakage of assembly, pipeline, hose and oil tank
- Level of brake fluid
- Level of power steering oil
- Operating condition of air conditioner
- Operating condition of hand brake
- Operating condition of horn
- Looseness of all fastened parts
- Air pressure of spare tyre

Maintenance Items inside Engine Compartment



Engine Oil Dipstick



The engine oil consumption is affected by a number of factors. The new engine will reach the normal value of consumption after the vehicle has run for approximately 5,000km. The engine will consume more oil under the high-load operation.

It is necessary to carry out the regular inspection on engine oil, for example, when adding fuel or before starting a long-distance journey.

When inspecting the engine oil, parked the vehicle on the level ground. Turn off the ignition switch and wait a few minutes to allow the engine oil to flow into the oil pan (a longer time may be needed if the exterior temperature is rather low or the engine has not reached the operating temperature). The vehicle engine should not be started before the inspection of engine oil. Pull out the dipstick and wipe it with a piece of clean non-cottony cloth, then fully insert the dipstick and

In case the oil level stays between the MIN and the MAX signs at the lower end of dipstick, there is no need to add the oil again. The hot engine oil may surpass the above gap sign for several millimeters due to the thermal expansion.

In case the oil level is flush with or below the MIN sign, only add the engine oil in line with Chery specifications to make the level stay between the MIN and the MAX signs. See the chapter “Capacity and Specification” for details.

Filling Cover for Engine Oil



Simply rotated anticlockwise and pulled, the filling cover will be open. Do not open the filling cover during the operation of engine.

Close the cover by rotating it clockwise until hearing a click sound.



Do not use the engine oil additives or engine processing agents. They are not only unnecessary but in some cases may also damage the engine, and this kind of damage is not within the scope of warranty.



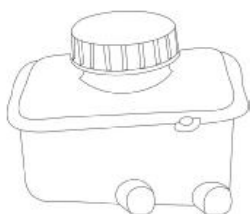
Empty containers of wasted engine oil can not be thrown away along with the home rubbish. When discarding these items, please ask the qualified waste disposal agency for treatment.

finally pull it out again.

Brake Fluid



If the oil contacts the paint surface, please wipe out the oil with the wet sponge or rinse the paint surface with plenty of water.



The brake fluid reservoir pot is located at the left rear of engine compartment. The oil level should stay between MAX and MIN signs at the side of oil tank. If the oil level drops at the MIN sign, the brake system warning light on instrument panel will lighten.

Only add the brake fluid in line with the specification of Chery (see the chapter “Capacity and Specification”). Send it to the special service station of Chery for the inspection of system leakage as soon as possible.

It is important to ensure the absolute cleanness in case of adding the brake fluid.



Do not let the brake fluid contact your skin or eyes. Providing such an unlucky occasion is encountered, please clean the affected parts with plenty of water and immediately seek the medical treatment.

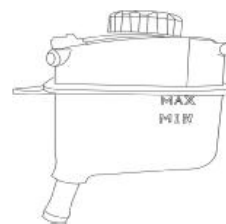
Engine Coolant Tank



Do not open the filling cover in the event of a running engine or the high temperature. Otherwise, the coolant may eject from the system to result in the

Inspect the coolant level through the translucent reservoir. When the engine is in the cold state, the coolant level should be between MIN and MAX signs. When the engine is hot, the coolant is likely to exceed the MAX sign due to the expansion.

The coolant can be added if the engine is cold. If it is necessary to add the coolant in the presence of a hot engine, first of all, wait 10 minutes to let the engine cool down. Unscrew the cover of reservoir for a quart of circle to discharge the pressure. Wait for a period of time and then open the cover fully. Add the coolant in line with the specification of this vehicle.



scald of operator or the corrosion of other parts.



The coolant is a kind of toxic fluid and can not be used to wash hands or clothing. When adding the coolant, be careful to avoid splash it onto any site of engine. In the event that the coolant contact your skin or eyes, please clean the affected parts with plenty of water and immediately seek the medical treatment.

Using the coolant with correct concentration will not only protect the engine from freeze in the winter, but also provide the anticorrosion protection throughout the year. Modern engines operate at the extremely high temperature, so the bad coolant can not provide the proper anticorrosion protection for the cooling system.

Therefore, please use the coolant in line with the specification of Chery. The tap water can not be used instead.

See the chapter “Capacity and Specification” for capacity.

Adding of Coolant

1. Unscrew the reservoir cover to add the coolant till the MAX reticle, and run the engine until the water temperature reaches about 90°C. It is unnecessary to shut the reservoir cover, because there is gas discharged from pipeline, and meanwhile reservoir level will drop.

2. Turn off the engine, add the coolant into the reservoir and repeat the above-mentioned processes once again until the reservoir level no longer drops, and then cover the reservoir.



Do not mix the coolants of different colors and specifications.

Transmission Oil Level

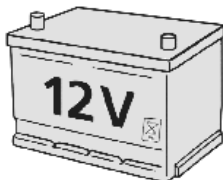
The special service station of Chery will inspect the level of transmission oil when your vehicle is driven into the station for maintenance.

Inspection of Power Steering Fluid Level



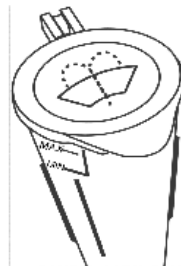
The fluid level should reach the MAX sign in case of the cold engine.

It is necessary to add the power steering fluid in line with the specifications of Chery if the level is below the MIN sign.

Storage Battery

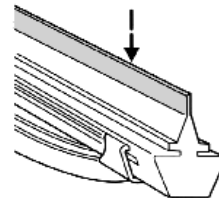
Conduct the replacement or recharge of storage battery according to the tips inside the observing hole which displays the state of battery. The tips inside the observing hole are only for reference and please consult the special service station of Chery for the details.

Your vehicle is equipped with maintenance-free storage battery. It is not recommended to use other types of storage batteries. The current and capacity of new storage battery should be in line with the old one or the specifications of Chery. Consult the special service station of Chery for the correct storage battery specification.

Washer System of Windshield

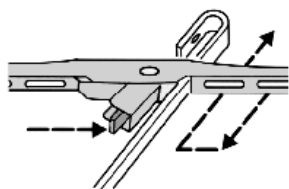
The washer system is provided with the cleaning fluid by the reservoir.

Please shut the reservoir cover well after the cleaning fluid for windshield has been added to the reservoir.

Inspection of Wiper Blade

Inspect the roughness of wiper blade by sliding the fingertip on the edge of this blade. Butter, silicone resin and fuel may disable the wiper blade from normally working. It is recommended to use the glass cleaning fluid to clean the wiper blade.

Replacement of Wiper Blade



Raise the wiper arm and make it form a right angle with the wiper blade. To remove the wiper blade, please press the fixing clip according to the direction shown by arrow, then release the wiper blade, and finally pull out the wiper arm according to the opposite direction.

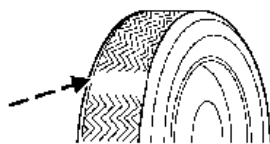
Tyre

For your safety, please check the tyre pressure after the tyres (including spare tyre) become cold. See the proposed tyre pressure in the chapter “Capacity and Specification”.

The correct tyre pressure should be complied with especially during the high-load and high-speed running. The insufficient tyre pressure will reduce the stability, increase the rolling resistance and advance tyre abrasion and even lead to the accident.

If you need to drive the vehicle on the curb, you have to keep a low running speed, and if possible, make the wheels close to curb at right angle. Avoid the vertical and sharp obstructions. When parking the vehicle, do not have the side wall of tyre scratched.

Regularly inspect tyre surface for cut trace, foreign body and uneven wear. The uneven tread wear may indicate the incorrect alignment of wheel.



The worn depth of tread is limited in relevant laws and regulations. Notice that: when the worn depth reaches the limiting value of 3mm, the worn areas will appear on the tread, which indicate that the performance and security of tyre has greatly degraded and the tyre must be replaced.



The worn tyres should be treated under

local environmental protection provisions. Once the road conditions allow, the winter tyres should be immediately changed with summer ones. This will reduce the fuel consumption and the noise.

Regularly interchange the tyres. It is recommended to interchange four wheels for every 5,000 km. Namely, interchange left front tyre with the right rear tyre, and interchange the right front tyre with the left rear tyre.

Replacement of Tyre

The tyres used by your vehicle are properly chosen to provide the best vehicle control, comfort and safety. The above-mentioned combined provisions of tyre and rim are applicable to the steel or aluminum alloy wheel rim. If you want to know whether other types

Parameters of Capacity and Specifications

of tyre and rim can be used in the vehicle, please consult the special service station of Chery.

It is strongly advised that you use the original tyres or refer to the special service station of Chery when installing the tyres.

The speedometer is affected by the size of tyres used for the vehicle. If the tyre size (diameter) is different from the original one, the correct speed will not be shown.



The unsuitable tyres and rims may lead to an accident, which are not within the scope of warranty.



If you want to install the non-standard tyre or rim, (such as the light alloy rim or wheel of winter tyre), be sure to comply with the instructions or consult the special service station of Chery.

Anti-skid Chain for Snowy Ground

The anti-skid chains for snowy ground can be used for summer and winter tyres, but are only applicable to the driving wheels (i.e. front wheels).

When the anti-skid chains for snowy ground are in use, the traveling performance of vehicle equipped with the anti-skid control system may have some anomalies which can be eliminated by shutting down this system.

In order to avoid the damage to the full-diameter wheel cover, it this cover should be removed before installing the anti-skid chains.

The wheel cover should be installed back as soon as the anti-skid chains have been removed.



1. When using the anti-skid chains, be sure that the vehicle speed shall not exceed 50 km/hour.
2. The anti-skid chains should be removed immediately in the absence of snow on the road.

Wheel Train Belt

The driving belt is one of the parts stressed most seriously in the vehicle, so the quality of belt should be good and reliable to meet the work requirements. When replacing the driving belt, only choosing the belts of the same size can not meet the requirements. For the sake of safety, be sure to use the original belt of Chery. Special service stations of Chery have the original driving belts.

Attention:



The driving belt will elongate after being used for a certain period of time. When the elongation is up to a certain degree, the belt will be so loose that it may cause the damage to the vehicle. Therefore, it is necessary to inspect the tensiity of generator belt every time the vehicle has covered a 1,000km.

Cleaning of Headlamp

In order to avoid the damage to the plastic lens headlamp, the invasive abrasive or chemical solvent should not be used. Do not wipe the lamp or use the sharp objects as the lens cleaner when the mirror is dry.

Cleaning of Rear Windshield

When cleaning the rear windshield, only use the soft cloth in order to avoid the damage to the heating components and the radio antenna. Do not clean the glass by the solvent or sharp objects.

Corrosion Protection for Chassis

The anticorrosive treatment has been exerted on the vehicle chassis. It is necessary to inspect the anticorrosion protection of chassis regularly, and, if necessary, ask the special service station of Chery to repair the chassis.

Cleaning of Wheel Cleaning

Depending on the mileage distance, clean the wheels by the wheel cleaner or warm water and soft sponge once a week so as to avoid the dust accumulating in the brake. Do not use the friction materials to avoid the damage to the specially processed surface.

Cleaning Articles

For the best results, please properly use the care articles of vehicle.

Depainting Treatment

The damage or minor scratch of painted surface caused by road gravels can be treated in the special service station of Chery.

Protection of Vehicle Paint

Applying the wax to the painted surface of your vehicle once or twice a year will help keep the surface smooth.



When polishing the vehicle, be careful to keep the polishing agent away from the plastic surface. Otherwise, it is difficult to remove the agent. Do not polish the vehicle under strong sunshine, either.



In order to ensure the duration of painted surface, it is necessary to remove the harmful objects in time, such as: guano, resin, insect residues and tar stains.

Maintenance of Leather Veneer

Use the wet cotton cloth and towel to wipe the leather surface, and use the clean soft cloth to dry it. The very dirty surface can be cleaned by neutral cleanser, such as soap bubble agent. During the normal usage period, it is recommended to take the leather maintenance with special leather conservation agent once six months.

Do not make leather too wet. Especially, do not let water into the gap.



Only the proper leather cleaning materials and cleanser can be used.

Cleaning of Radiator

The windward surfaces of condenser and radiator will be blocked by some insects, leaves and other debris after whole-vehicle moving for a period of time. In this case, the blockage will affect the performances of air conditioner and cooling system and lead to the abnormal operation of air conditioner and the overheating of cooling system etc. Thus, it is required to clean the radiator and condenser.

It is better to clean the obverse surface of radiator once a year. The compressed air or water can be used to clean the radiator fins and blow off the small leaves and insects etc. The condenser can be washed by the forward blowing through radiator.

The pressures of air and water shall not exceed 150 kPa. The pressure higher than 150 kPa would damage the condenser and the radiator fins.



The radiator fins are necessary to the good heat conduction. These fins can not be brushed. Or else, the damages to fins will be caused and the heat conduction will be reduced.

In no case shall you spray the water on the hot radiator, because the hot air generated will lead to the body injury. Only when the engine is not working and cool can the water be used to wash.

Regular Maintenance Provisions

Please go to the special service station of Chery for vehicle maintenance according to the specified mileage. The special service station of Chery will provide your vehicle with "99 maintenance items" defined by Chery.

Process	Process Name	Remarks		
		5,000	15,000	30,000
1	Install three sleeves and one pad	★	★	★
2	Record the oil volume and the mileage in details	★	★	★
3	Inspect the appearance of vehicle	★	★	★
4	Remind the customer of keeping tips for valuables	★	★	★
5	Issue the work card	★	★	★
6	Customer signs after the confirmation	★	★	★
7	Pass the work card to workshop staff	★	★	★
8	Inspect the front lighting	★	★	★
9	Inspect the lower beam lamp	★	★	★
10	Inspect the upper beam lamp	★	★	★
11	Inspect the left-front turn lamp	★	★	★
12	Inspect the right-front turn lamp	★	★	★
13	Inspect the front alarm lamp	★	★	★
14	Inspect the front fog lamp	★	★	★

Parameters of Capacity and Specifications

Process	Process Name	Remarks		
		5,000	15,000	30,000
15	Finish the inspection	★	★	★
16	Inspect the high-low horn	★	★	★
17	Inspect the rear lighting	★	★	★
18	Inspect the rear brake lamp	★	★	★
19	Inspect the left-rear turn lamp	★	★	★
20	Inspect the right-rear turn lamp	★	★	★
21	Inspect the rear alarm lamp	★	★	★
22	Inspect the rear reversing lamp	★	★	★
23	Inspect the rear fog lamp	★	★	★
24	Inspect the license lamp	★	★	★
25	Finish the inspection	★	★	★
26	Inspect the steering wheel	★	★	★
27	Inspect all buttons of air conditioner	★	★	★
28	Inspect the air state of air outlet	★	★	★
29	Inspect all indicator lamps of instruments	★	★	★
30	Inspect the control performance of parking handle	★	★	★
31	Inspect the gearlever	★	★	★
32	Inspect the clutch pedal	★	★	★

Parameters of Capacity and Specifications

Process	Process Name	Remarks		
		5,000	15,000	30,000
33	Inspect the brake pedal and the accelerator pedal	★	★	★
34	Inspect the front and rear wiper blades and the nozzle		★	★
35	Inspect all keys of instrument panel	★	★	★
36	Inspect the CD player and the loudspeaker	★	★	★
37	Inspect the front ceiling lamp	★	★	★
38	Inspect the rear-view mirrors on both sides	★	★	★
39	Inspect the central control door lock	★	★	★
40	Inspect the electric glass regulators of all doors	★	★	★
41	Inspect the sun visor, the teacup stand and the ash tray	★	★	★
42	Inspect the cigar lighter, the sundries box and the electronic clock	★	★	★
43	Inspect the driver's seat, the safety belt, the switch of front door and the door lock hinge		★	★
44	Inspect the left-rear door's glass regulator, door switch, door hinge, seat and safety belt		★	★
45	Inspect the right-rear door's glass regulator, door switch, door hinge, seat and safety belt		★	★
46	Inspect the right-front door's glass regulator, door switch, door hinge, seat and safety belt		★	★
47	Open the rear door and inspect the door lock hinge, the accompanying tools and the spare tyre	★	★	★
48	Open the engine hood	★	★	★
49	Install the protective cover of fender	★	★	★

Parameters of Capacity and Specifications

Process	Process Name	Remarks		
		5,000	15,000	30,000
50	Inspect the air cleaner core	★	★	★
51	Inspect the gap and burning state of ignition plug		★	★
52	Inspect the power steering oil	★	★	★
53	Inspect the cleaning fluid of windshield	★	★	★
54	Inspect and measure the engine coolant	★	★	★
55	Inspect the battery		★	★
56	Inspect the volume of transmission oil	★	★	★
57	Inspect the volume of engine oil	★	★	★
58	Inspect the level of brake fluid	★	★	★
59	Inspect the timing belt			★
60	Inspect the generator belt	★	★	★
61	Inspect the pipeline of air conditioner	★	★	★
62	Inspect the cooling pipeline	★	★	★
63	Inspect the oil leakage at upside of engine	★	★	★
64	Inspect the engine harness	★	★	★
65	Inspect the shock absorber	★	★	★
66	Unscrew the tyre bolts	★	★	★
67	Support the vehicle	★	★	★

Parameters of Capacity and Specifications

Process	Process Name	Remarks		
		5,000	15,000	30,000
68	Initially raise the vehicle	★	★	★
69	Remove the tyres			★
70	Inspect the brake pad			★
71	Inspect the wheel hub bearing for abnormal noise		★	★
72	Inspect the pressure and appearance of tyres	★	★	★
73	Change the positions of tyres			★
74	Inspect the pressure and appearance of spare tyre	★	★	★
75	Raise the vehicle again	★	★	★
76	Drain the old engine oil and install back the oil block	★	★	★
77	Replace the engine oil filter with new one and clean the bottom of engine	★	★	★
78	Replace the gear oil of gearbox with new one and clean the gearbox			★
79	Replace the petrol filter with new one			★
80	Inspect the torque of chassis bolt		★	★
81	Inspect the rear axle and the fuel tank	★	★	★
82	Inspect the relevant pipelines of chassis for oil leakage	★	★	★
83	Inspect the transmission shaft and the steering tie rod	★	★	★
84	Inspect the protective sleeve of transmission shaft universal joint for breakage	★	★	★
85	Inspect the protective sleeve of steering cross tie rod universal joint assembly for breakage	★	★	★

Parameters of Capacity and Specifications

Process	Process Name	Remarks		
		5,000	15,000	30,000
86	Inspect the ball-head protective sleeve of knuckle and the clearance	★	★	★
87	Lower the vehicle	★	★	★
88	Fasten the tyre nuts and install back the spare tyre and the accompanying tools			★
89	Add the specified-volume engine oil	★	★	★
90	Start the engine for 3 minutes	★	★	★
91	Test the engine computer and the sensor	★	★	★
92	Shut down the engine, wait for 90 seconds and then confirm the level of engine oil	★	★	★
93	Raise the vehicle again, inspect the engine oil filter, the oil pan, the oil drain bolts and the gearbox for oil leakage, and then lower the vehicle	★	★	★
94	Conduct the trial run to inspect the vehicle, and then fill in the work card with all inspection results	★	★	★
95	Wash the vehicle	★	★	★
96	Accompany the customer to inspect the vehicle and pay the fares	★	★	★
97	Remind the customer of the next maintenance	★	★	★
98	Take off three sleeves and one pad	★	★	★
99	Thanks and look after the customer	★	★	★
Note: For the manual transmission, replace the gear oil of transmission every year or every 30,000km; replace the brake fluid every 2 years or every 50,000km.				

**Maintenance Care for First
5,000km**

**(within 6 Months after
Purchase)**

Date: _____

Mileage: _____

Nature of Usage: _____

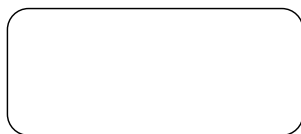
License Plate No. : _____

Official Seal of Service
Station

Signature of Car Owner:



Chery



Official Seal of Service Station

Car Owner: _____

Unit (Name): _____

Address: _____

Tel. : _____

E-mail: _____

Purchase Date: _____

Nature of Usage: _____

License Plate No. : _____

Vehicle Data

Chassis No.

Vehicle Type

Description of Vehicle Type

Engine No.

Gearbox No.

Paint No. / Interior Equipment

Optional Parts

Note: The first maintenance is applicable within 5,000 km or 6 months, whichever comes earlier.



Maintenance Care for First 5,000km (within 6 Months after Purchase)

Date: _____ Mileage: _____

Items to Be Inspected:

- | | Yes | No |
|--|--------------------------|--------------------------|
| 1. Inspect the lubricating system, the cooling system and the fuel system for leakage. | ☐ | ☐ |
| 2. Replace the engine oil and the filter. | ☐ | ☐ |
| 3. Inspect the oil level of gearbox and the oil color, and add the oil if necessary. | ☐ | ☐ |
| 4. Inspect the coolant level, and add the coolant or adjust its concentration if necessary. | ☐ | ☐ |
| 5. Inspect the driver for leakage. | ☐ | ☐ |
| 6. Inspect the steering cross-tie dust sleeve for damage. | ☐ | ☐ |
| 7. Inspect the dust sleeve of transmission shaft constant velocity universal joint for damage. | ☐ | ☐ |
| 8. Inspect the brake fluid for leakage and the brake tube for damage. | ☐ | ☐ |
| 9. Inspect the operating states of all brake cylinders. | ☐ | ☐ |
| 10. Inspect whether the charging pressure of tyre meets the provision. | ☐ | ☐ |

Items to Be Inspected:

- | | Yes | No |
|---|--------------------------|--------------------------|
| 11. Inspect the tensivity of generator and air conditioner belts, and adjust the tensivity if necessary. | ☐ | ☐ |
| 12. Inspect the hinge and lock dog of engine compartment cover. | ☐ | ☐ |
| 13. Inspect the air conditioning system for leakage. | ☐ | ☐ |
| 14. Inspect the power steering pipeline for leakage, and add the power steering fluid. | ☐ | ☐ |
| 15. Inspect the installation and damage conditions of steering universal joint dust sleeve. | ☐ | ☐ |
| 16. Inspect whether the shifting for all gears of manual driver is smooth. | ☐ | ☐ |
| 17. Inspect whether the connecting bolts between chassis and vehicle body are loose. | ☐ | ☐ |
| 18. Inspect the operating state of safety belt. | ☐ | ☐ |
| 19. Inspect whether the operating state, the electrojet parameters and the exhaust are normal when the engine is at idle speed. | ☐ | ☐ |
| 20. Conduct the trial run and inspect the functions of all mechanisms. | ☐ | ☐ |

Note: The first maintenance is applicable within 5,000 km or 6 months, whichever comes earlier.

Maintenance Care for First 5,000km
(within 6 Months after Purchase)

Date: _____

Mileage: _____

Nature of Usage _____

License Plate No.: _____

Official Seal of Service Station

Signature of Car Owner _____

Maintenance Certification

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 10,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 15,000km maintenance items when the car has run for 15,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 20,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Regular Maintenance

Implement the 5,000km maintenance items when traveling for 25,000km or within 6 months after last maintenance.

Date: _____
Mileage: _____

Official Seal of Service Station
Signature of Car Owner
Next Appointed
Maintenance Time or
Mileage

Date: _____
Mileage: _____

Regular Maintenance

Implement the 30,000km maintenance items when the car has run for 30,000km or it is within 6 months after the latest maintenance.

Date: _____
Mileage: _____

Official Seal of Service Station
Signature of Car Owner
Next Appointed
Maintenance Time or
Mileage

Date: _____
Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 35,000km or it is within 6 months after the latest maintenance.

Date: _____
Mileage: _____

Official Seal of Service Station
Signature of Car Owner
Next Appointed
Maintenance Time or
Mileage

Date: _____
Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 40,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 15,000km maintenance items when the car has run for 45,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 50,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 55,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 30,000km maintenance items when the car has run for 60,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 65,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 70,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 15,000km maintenance items when the car has run for 75,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 80,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed
Maintenance Time or
Mileage

Date: _____

Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 85,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 30,000km maintenance items when the car has run for 90,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

Regular Maintenance

Implement the 5,000km maintenance items when the car has run for 95,000km or it is within 6 months after the latest maintenance.

Date: _____

Mileage: _____

Official Seal of Service Station

Signature of Car Owner

Next Appointed

Maintenance Time or

Mileage

Date: _____

Mileage: _____

The maintenance shall be conducted according to the items specified in Regular Technical Maintenance of A3 Car. (The maintenance is subject to the forementioned mileage and time, whichever comes earlier.)

Safety Protection System

If your vehicle is equipped with airbag system, the whole airbag system should be replaced by the special service station of Chery at the 10th year since the purchase date.

To ensure the normal operation of airbag system, be sure to replace the airbag system in the special service station of Chery according to the specified time.

If the airbag system is replaced before the specified date (for example, after an accident), please fill in the replacing records carefully for the future reference.

Replacing Records of Safety

System

- ☐ Driver’ s airbag
- ☐ Auxiliary driver’ s airbag
- ☐ Left seat airbag
- ☐ Right seat airbag
- ☐ Left curtain airbag
- ☐ Right curtain airbag
- ☐ Control module of airbag
- ☐ Airbag harness
- ☐ Pre-tightening safety belt
- ☐ Other parts

- 1.-----
- 2.-----
- 3.-----
- 4.-----

Date:-----

Official Seal of Special Service Station:

Replacing Records of Safety

System

- ☐ Driver’ s airbag
- ☐ Auxiliary driver’ s airbag
- ☐ Left seat airbag
- ☐ Right seat airbag
- ☐ Left curtain airbag
- ☐ Right curtain airbag
- ☐ Control module of airbag
- ☐ Airbag harness
- ☐ Pre-tightening safety belt
- ☐ Other parts

- 1.-----
- 2.-----
- 3.-----
- 4.-----

Date:-----

Official Seal of Special Service Station:

Replacing Records of Safety System

- ☐ Driver' s airbag
- ☐ Auxiliary driver' s airbag
- ☐ Left side airbag
- ☐ Right side airbag
- ☐ Control module of airbag
- ☐ Airbag harness
- ☐ Pre-tightening safety belt
- ☐ Other parts

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Date: _____

Official Seal of Special Service Station:

Replacing Records of Safety System

- ☐ Driver' s airbag
- ☐ Auxiliary driver' s airbag
- ☐ Left side airbag
- ☐ Right side airbag
- ☐ Control module of airbag
- ☐ Airbag harness
- ☐ Pre-tightening safety belt
- ☐ Other parts

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Date: _____

Official Seal of Special Service Station:

Replacing Records of Safety System

- ☐ Driver' s airbag
- ☐ Auxiliary driver' s airbag
- ☐ Left side airbag
- ☐ Right side airbag
- ☐ Control module of airbag
- ☐ Airbag harness
- ☐ Pre-tightening safety belt
- ☐ Other parts

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Date: _____

Official Seal of Special Service Station:

Replacing Records of Instrument

Replacing Date:_____

Replacing Mileage:_____

Official Seal of Special Service Station:

Replacing Records of Instrument

Replacing Date:_____

Replacing Mileage:_____

Official Seal of Special Service Station:

Replacing Records of Instrument

Replacing Date:_____

Replacing Mileage:_____

Official Seal of Special Service Station:

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Replacing Date:_____

Replacing Mileage:_____

Official Seal of Special Service Station:

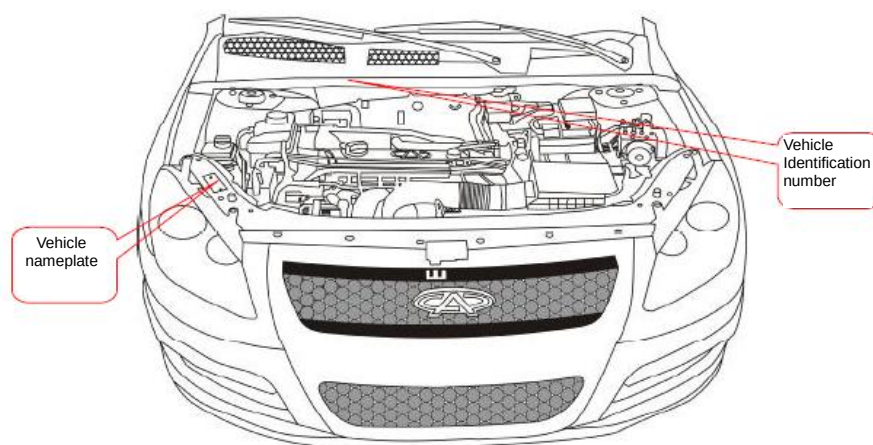
Replacing Date:_____

Replacing Mileage:_____

Official Seal of Special Service Station:

Chapter7 Parameters of Capacity and Specifications

Vehicle Identification Description

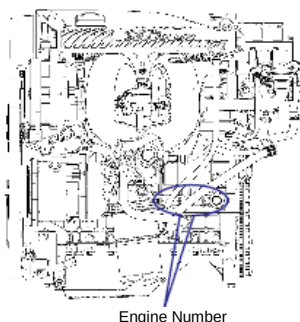


Vehicle Identification Number

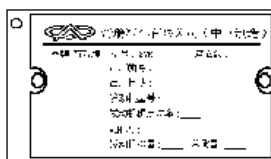
The VIN of Chery A3 vehicle is engraved under the roof drip on the front wall as shown in the above figure.

Engine Number

The engine number of Chery A3 vehicle is located at the upper part of the engine cylinder as shown in the figure.



Vehicle Name Plate



The name plate of ex-factory vehicle is fixed on the front wall of the right lower part of the front windshield.

Fuel

Capacity of Fuel Tank

Gasoline engine: 57 liters

Only choose the following fuel grade and use the high quality fuel with detergent and other additives. The using of low quality fuel may cause damage to the engine.

If the high quality gasoline with additives is unavailable at the very moment, or in case of engine malfunctions, such as difficult starting, rough idle or power dip etc, proper additives may be added when filling fuel. Fuel additives have the functions of preventing the engine from rust and scaling, and cleaning the fuel supply system as well.

Chery authorized service station can provide the fuel additives verified by Chery company. The operators at the station are proficient in the using of such additives and the handling method for the engine scaling, and they are ready to offer you the best service.

It is normal to hear the sound of "hissing" when opening the oil filler cap.

Above 93[#] Unleaded Gasoline (octane rating is above 93)

It is forbidden to use unleaded gasoline lower than 93#, or the engine will be damaged and

such damage is out of the warranty scope of the Chery company.

To avoid the possible accident from wrong fuel filling, the fuel tank is designed with a collaring oil filler cap. Only the oil gun with unleaded gasoline could be put into it. Vehicle equipped with the catalytic converter can only use unleaded gasoline.



If you fill the oil tank with leaded gasoline by accident, don't start the engine (even though only a little is added), as the lead contained in the fuel will permanently damage the catalytic converter. It is recommended to contact the nearest Chery authorized service station immediately.

Engine Oil

Engine Oil Replacement

Use the special oil for Chery vehicles. The authorized service station provides the

special oil for Chery vehicles. Your vehicle engine is designed for the use of this special oil. Be sure to use the required oil to achieve the best performance of the vehicle.



Do not use the additives or engine finishing agent that have not been verified by Chery company, as such additives are not necessary, and they may damage the engine under certain conditions and such damage is out of the warranty scope of the Chery company.

Engine Oil Filling

Chery authorized service station will keep the records of the relevant oil replacement date and will use the special engine oil. The addition of engine oil should not exceed the MAX mark on the oil dipstick.

For the detailed suggestion or information, Chery authorized service station is willing to help you.



Do not use engine oil that does not meet the above specifications and requirements. The improper use of engine oil may damage the engine and this damage is out of the warranty scope of the Chery company.

Vehicle Oil

Replace the oil at intervals as shown in the maintenance section.

Transmission Oil

Use special oil for Chery vehicles. The authorized service station provides the special oil for Chery vehicles.

Check the oil level periodically in normal check period.

Power-assisted Steering Oil

Always use the hydraulic oil that meets the specifications of Chery. The authorized service station provides original oil for Chery vehicles.

Brake Fluid

Use Dot4 brake fluid. Fill the fluid to the Max mark as required. Only use the brake fluid without paraffin wax.



When the vehicle is heavy loaded, such as towing a tail car, traveling on mountainous area for a long time, brake fluid should also be replaced when replacing the brake gasket. Be sure to keep the brake fluid absolutely clean during refilling. Any dirt coming into the brake system may disable the braking performance.

Coolant

Use the coolant meeting the specifications of Chery. The authorized service station provides the original oil for Chery vehicles.

Washing Liquid for Windshield

Fill the liquid reservoir with Chery specified condensed liquid and water for the

windshield (1:20). If the temperature outside the vehicle is too low, use winter washing liquid for windshield.

Follow the instructions on the container for proper thickness.



Do not throw away the empty or waste engine oil container and filter as household rubbish. Make use of the local authorized waste treatment equipment.

Parameter Table of Capacity and Specifications

Parameters of Capacity and Specifications (liter)	
Engine oil (including filter)	4.5L
Manual transmission	2.1±0.5L
Power-assisted steering	MAX mark
Cooling system	7.0L

Washing system for windshield	MAX mark
Oil tank	57L
Brake fluid reservoir	MAX mark

Vehicle Weight

The curb weight means the weight that the vehicle can travel with, including the weight of coolant, lubricating oil, oil tank filled up to 90%, tools, spare tyre and the driver (75kg).

The payload capacity is the permitted gross weight subtracts the curb weight.

Optional parts and subsequent additional equipment will reduce the payload weight.



Abide by the specified weight on the Manual (if applicable), and permitted gross weight can't be exceeded, as this may change the brake and control performance, which may result in accident.

Parameters of Mass

Vehicle model		SQR7160M17	SQR7180M117	SQR7200M117
Items				
Overall curb mass	(kg)	1,395	1,395	1,395
Overall curb axle-load mass	Front axle (kg)	790	790	790
	Rear axle (kg)	605	605	605
Max. load mass set by 605 Factory (including passengers) (kg)		375	375	375
Max. overall mass set by 375 Factory (kg)		1,770	1,770	1,770
Factory-set axle-load mass at max. total mass	Front axle (kg)	930	930	930
	Rear axle (kg)	840	840	840
Factory-set max. permitted axle-load mass	Front axle (kg)	1,000	1,000	1,000
	Rear axle (kg)	950	950	950
Passenger number (including the driver) persons		5	5	5

Wheels and Tyres

Tyre Pressure

Before starting your journey, always check the cold pressure of tyres. (Don't forget to check the air pressure of spare tyre)

Tyre Pressure (cold tyre) (kPa)

Items		Tyre Pressure (kPa)	Spare Tyre
Front wheel	195/65R15	220	250
	205/55R16	220	
Rear wheel	195/65R15	220	
	205/55R16	220	

Safety Precaution for Tyre Pressure

- Check the tyre pressure at least once every month. This is quite important when you drive at high speed.
- The pressure data listed in the table above is applicable for cold tyre. When the tyre is heated, the air pressure will increase lightly, but it is not required to lower the pressure.

- When the tyres are used in winter, the pressure data listed in the table above should be increased by 20Kpa.
- For the convenience of your enquiry, the sticky tag marked with prescribed charging tyre pressure is pasted on the inner side of door sill of left front door frame.

Tightening Torque of Wheel Bolt

The tightening torque of wheel bolt is $110 \pm 10 \text{ N} \cdot \text{m}$.

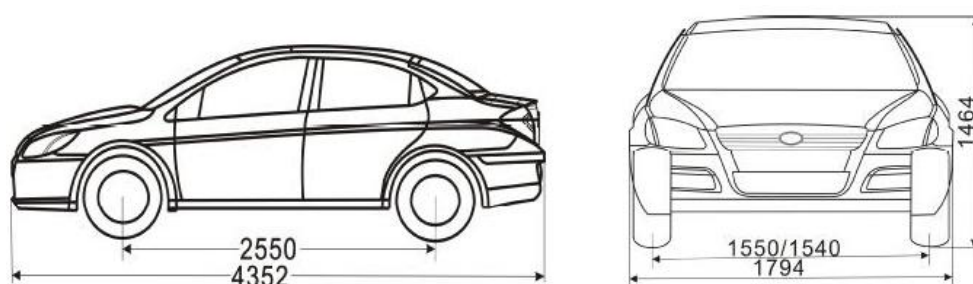
Wheel

Tyre	Rim
195/65R15	6J×15
205/55R16	6.5J×16

Engine information			
Engine model	SQR481F	SQR484FC	SQR484F
Engine type	upright, 4-cylinders inline, water-cooled, 4 strokes, double overhead camshafts		
Cylinder diameter (mm)	81	81	83.5
Piston stroke (mm)	77.5	89.5	90
Displacement (mL)	1,597	1,845	1,971
Compression ratio	10.5:1	10.5:1	10:1
Rated power (kW)	87.5	97	102
Rotary speed at rated power (r/min)	6,150	5,750	5,750
Max. torque (Nm)	147	170	182
Rotary speed at Max. torque (r/min)	4,300-4,500	4,300-4,500	4,300-4,500
Min. fuel consumption rate (g/kW·h)	250	264	250

*Only start to adjust or check at least five minutes after the engine stops.

Vehicle Dimensions



Item		Dimension (mm)	
Tyre model		195/65R15	205/55R16
Outline dimensions (mm)	Length	4,352	4,352
	Width	1,794	1,794
	Height	1,464	1,464
Wheelbase (mm)		2,550	2,550
Tread (mm)	Front	1,550	1,540
	Rear	1,540	1,530
Suspension length (mm)	Front suspension	908	908
	Rear suspension	894	894

