

Foreword

Thank you for purchasing your new Chery automobile. To correctly operate and maintain your vehicle and understand its features and controls, please take the time to read this manual carefully.

After you read this manual, it should be stored in the vehicle for convenient reference and remain with the vehicle when sold so that the new owner will be aware of all safety warnings.

Chery Automobile Co., Ltd. reserves the right to make changes in design and specifications, and / or make additions to or improvement to its products without imposing any obligation upon itself to install them on products previously manufactured.

Authorized Chery dealers are service professionals and are exclusively authorized by Chery Automobile Co., Ltd. When it comes to service, remember that your authorized dealer knows your vehicle best, has the factory-trained technicians and OEM parts to best provide the customer satisfaction that you require.

Depending on the vehicle equipment or features specific to your vehicle, some descriptions and illustrations may differ from the equipment found on your vehicle.

Please access our website for further information.

Website: www.cheryinternational.com

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TABLE OF CONTENTS

CHAPTER		PAGE
1	INTRODUCTION	3
2	BEFORE OPERATING YOUR VEHICLE	15
3	FEATURES OF YOUR VEHICLE	33
4	STARTING AND OPERATING YOUR VEHICLE	55
5	YOUR INSTRUMENT PANEL	75
6	IN CASE OF AN EMERGENCY	93
7	CUSTOMER ASSISTANCE	103
8	PROPER MAINTENANCE OF YOUR VEHICLE	107
9	MAINTENANCE SCHEDULES	123
10	INDEX	141

INTRODUCTION

CONTENTS

▶ Introduction	4	▶ Vehicle Features	6	▶ Personal Service	10
▶ How to Read This Manual	4	▶ New Vehicle Inspection	6	▷ "PERSON-TO-PERSON" Service Advisor Card	11
▷ Table of Contents	4	▷ Inspection Certification for Vehicle Delivery	7	▶ Warnings and Cautions	13
▷ Vehicle Symbols	4	▷ Vehicle Delivery Card	8	▶ Vehicle Identification Number	13
▷ Index	4			▶ Vehicle Modifications	13

Introduction

Congratulations on selecting your new Chery vehicle. To correctly operate and maintain your vehicle and understand its features and controls, please take the time to read this manual carefully.

This manual contains important instructions and tips concerning routine driving and regular maintenance of your vehicle. The more familiar you are with the operation of your vehicle, the more you will ensure your safety and overall economic benefit while driving. Failure to operate this vehicle correctly may result in loss of control or an accident.

Regular routine maintenance will keep your vehicle operating at its best. We suggest you have your vehicle serviced at recommended intervals by an authorized Chery dealer who uses authorized Chery replacement parts. Any damage caused by failing to follow recommended operation or maintenance may not be covered by your warranty.

How to Read This Manual

Table of Contents

Consult the Table of Contents to determine which section of the Owner's Manual contains the information you desire.

Vehicle Symbols

Consult the symbol table on the following page for a description of the symbols that may be used on your vehicle and throughout the Owner's Manual.

Index

The detailed index at the back of this Owner's Manual contains a complete listing for all vehicle subject matter.

EPC	SRS AIRBAG					
ELECTRONIC THROTTLE CONTROL INDICATOR LIGHT	SUPPLEMENTAL RESTRAINT SYSTEM	AIR CONDITIONING	DIMMER CONTROL SWITCH	REAR WINDOW SAFETY SWITCH	REAR FOG LIGHT	FRONT FOG LIGHT
ANTILOCK BRAKING SYSTEM (ABS)	HIGH BEAM LAMP	LOW BEAM LAMP	CIGARETTE LIGHTER	WARNING LIGHT FOR ENGINE OIL PRESSURE	FUEL INDICATOR	COOLANT TEMPERATURE INDICATOR
BATTERY	HEADLAMP SWITCH	BRAKE SYSTEM WARNING LAMP	HORN	HORN	BUCKLE UP SEAT BELT	HAZARD FLASHING WARNING LAMP
INDICATOR LIGHT FOR AIR BAG	UPPER AND LOWER AIR OUTLET	UPPER AIR OUTLET	LOWER AIR OUTLET	DEFROST AND LOWER AIR OUTLET	LUME LIGHT	WINDSHIELD DEFROST/DEFOG
PARKING BRAKE INDICATOR LAMP	LOCK INDICATOR	UNLOCK INDICATOR	WARNING LIGHT FOR DOOR	VEHICLE MAINTENANCE INDICATOR	MALFUNCTION INDICATOR LIGHT	READING LIGHT
INDICATOR FOR INTERIOR LAMP SWITCH	AUDIBLE ALARM	HEADLIGHT LEVELING SWITCH	REAR WINDSHIELD HEATING INDICATOR	HOOD RELEASE	INTERIOR AIR RECIRCULATION	FRONT WINDSHIELD WIPER
PARK LIGHTS	TURN SIGNALS	POWER WINDOW LIFT	REAR WINDSHIELD WIPER AND WASHER	REAR WINDSHIELD WIPER	REAR HATCH RELEASE	TRANSAXLE WARNING LIGHT

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Vehicle Features

This manual includes the current features and information regarding the Chery A1 vehicle. All material (including all standard and available features) contained in this publication is based on the latest information at the time it was printed. Therefore, please note that some of the equipment and accessories in this publication may not appear on your vehicle.

New Vehicle Inspection

Prior to your purchase, your authorized Chery dealer inspected your vehicle based upon the guidelines of the Chery Automobile Co., Ltd. The dealer will record the delivery date and affix its common seal to the inspection certificate.

Before you sign the inspection certification, your authorized dealer will instruct you regarding your vehicle's performance capabilities according to its Vehicle Delivery Card, as well as provide you with general knowledge of its features and regular operation.

8 – INTRODUCTION

Vehicle Delivery Card

Category	No.	Item	Operation confirmed	
Overall Performance	1	Engine	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	2	Engine oil, brake fluid, power steering fluid, coolant, battery electrolyte and windshield washer fluid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	3	VIN, engine code and nameplate	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	4	Complete set of vehicle keys	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	5	Headlamps, turn signal lamps, fog lamps, combination lamps, interior lamps, stop lamps, backup lamp, tail lamps, reading lamps, door lamps and instrument lamps	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	6	Windshield and painted surfaces	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	7	Speedometer, tachometer and odometer	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	8	Spare tire, vehicle jack, tool and user's manual	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	9	Seat, seat belt, cigarette lighter, A/C switch, glove box and sun visor	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	10	Windows, rearview mirror, windshield wipers, windshield washers, horn, sunroof, parking sonar, on - board telephone, radio (CD) and antenna	Yes <input type="checkbox"/>	No <input type="checkbox"/>

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General Knowledge of Operation	1	No. 93 gasoline	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	2	Normal operation during break - in period	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	3	Operation of all vehicle lights	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	4	Understanding warning lights	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	5	Correct maintenance schedules time/mileage	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	6	Vehicle maintenance in winter/summer	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	7	Proper understanding of cooling system and use of proper coolant	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	8	Correct operation of A/C	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	9	Precautions during vehicle starting	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	10	Correct operation of audio system	Yes <input type="checkbox"/>	No <input type="checkbox"/>
	11	Correct operation of sunroof	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<p style="text-align: center;">Signature of Sales Clerk: Date: Signature of Customer: Date:</p>				

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Personal Service

To provide you the best service, your authorized Chery dealer will provide a personal service advisor for you during your purchase. If you have any questions regarding your vehicle, please ask your service advisor.

“PERSON-TO-PERSON” Service Advisor Card

“PERSON-TO-PERSON” ADVISORY SERVICE CARD

Name of Customer: _____ Date of Purchase: _____
 Dealer of Sales & Service: _____ Type: _____
 VIN of Vehicle: _____

The following should be completed by the customer:

I. Vehicle Delivery and Inspection (mark a "✓" for "Yes" and an "X" for other):

- Have reviewed the basic operation of the vehicle and performed the delivery inspection with the customer.
- Have reviewed and explained the warranty policy with the customer.
- Have discussed the precautions of driving with the customer.
- Have explained the importance of regular maintenance and the maintenance interval schedule.
- Have explained to the customer the importance of having regular maintenance performed at an authorized Chery dealer.
- Have delivered the Owner's Manual to the customer and reminded them to read it.
- Have explained the customer hotline number and operating information of Chery customer service to the customer.

II. Service Advisor Customer Service (mark a "✓" for "Yes" and an "X" for other):

- The service advisor was able to address all customer questions and concerns.
- The service advisor is the only person authorized by the dealer to answer customer questions.

- Each customer is assigned a specific service advisor for "Person - to - Person" service.
- If the customer is not completely satisfied with the service advisor, the customer can select another service advisor.

III. Service Advisor Availability (mark a "✓" for "Yes" and an "X" for other):

- Proper reception at time of service
- Accurately documents customer complaint
- Alerts customer of regularly scheduled maintenance
- Alerts customer of scheduled annual inspection
- Promptly schedules service appointments
- Promptly consults customer on maintenance and service items
- Other demands from customers

IV. Service Advisor Business Card.

Business Card of Service Advisor

Signature of Customer/Date: _____ Signature of Service Advisor/Date: _____

Sheet One

Kept by Service Station

beom010005

“PERSON-TO-PERSON” ADVISORY SERVICE CARD

Name of Customer: Date of Purchase:
Dealer of Sales & Service: Type:
VIN of Vehicle:

The following should be completed by the customer:

I. Vehicle Delivery and Inspection (mark a "✓" for "Yes" and an "X" for other):

- Have reviewed the basic operation of the vehicle and performed the delivery inspection with the customer.
- Have reviewed and explained the warranty policy with the customer.
- Have discussed the precautions of driving with the customer.
- Have explained the importance of regular maintenance and the maintenance interval schedule.
- Have explained to the customer the importance of having regular maintenance performed at an authorized Chery dealer.
- Have delivered the Owner's Manual to the customer and reminded them to read it.
- Have explained the customer hotline number and operating information of Chery customer service to the customer.

II. Service Advisor Customer Service (mark a "✓" for "Yes" and an "X" for other):

- The service advisor was able to address all customer questions and concerns.
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- Alerts customer of regularly scheduled maintenance
- Alerts customer of scheduled annual inspection
- Promptly schedules service appointments
- Promptly consults customer on maintenance and service items
- Other demands from customers

IV. Service Advisor Business Card.



Signature of Customer/Date: Signature of Service Advisor/Date:

beom010006

Sheet Two
Kept by Customer

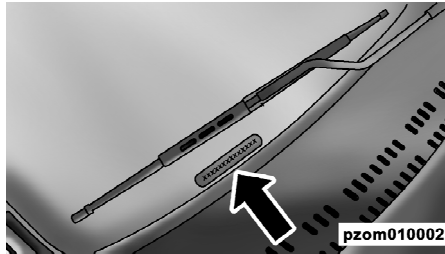
Warnings and Cautions

The Owner's Manual contains Warnings and Cautions regarding operating procedures that could result in an accident or damage to your vehicle. Please observe all Warnings and Cautions before operating your vehicle.

Vehicle Identification Number

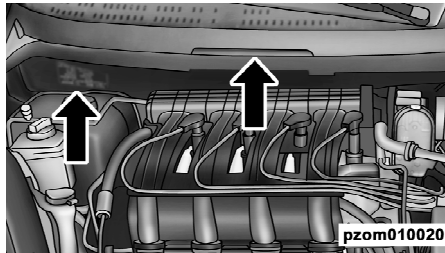
Vehicle Identification Number (VIN) Location:

The VIN is on the front corner of the instrument panel on the passenger side. It is visible from outside of the vehicle through the windshield.



VIN Location

NOTE: Additional VIN locations are found in the engine compartment.



VIN Location In Engine Compartment

Vehicle Modifications

Modifications to this vehicle could affect its performance and totally void the manufacturer's warranty.

⚠ WARNING!

Any modifications or alterations to this vehicle could affect its safety and may lead to an accident resulting in serious injury or death.

BEFORE OPERATING YOUR VEHICLE

CONTENTS

▶ Ignition Key	17	▶ Steering Wheel	20	▶ Occupant Restraints	23
▷ Ignition Key Removal	17	▷ Adjusting Steering Wheel	20	▷ Lap/Shoulder Belts	23
▷ Locking Doors With The Key	17	▷ Horn	20	▷ Lap/Shoulder Belt Warning Light	23
▷ Replacement Keys	17	▶ Door Locks	21	▷ Front Lap/Shoulder Belt Operating Instructions	23
▷ Remote Keyless Entry	18	▷ Manual Door Locks	21	▷ Rear Seat Belt Operating Instructions	24
▷ Transmitter Battery Replacement	18	▷ “Child-Protection” Door Lock System (Rear Doors)	21	▷ Adjustable Upper Shoulder Belt Anchorage	24
▶ Anti-Theft Security Protection	19	▶ Power Windows	22	▷ Maintenance for Seat Belt	25
▷ Vehicle Alarm	19	▷ Power Window Switches	22	▷ Airbags	25
▷ Security Lamp	19	▷ Auto - Down Feature	22	▷ Airbag Warning Light	26
▷ Security Auto-Locks	19	▷ Rear Window Safety Switch	22	▷ Child Restraint	26
▷ Electronic Key Identification	20				

16 – BEFORE OPERATING YOUR VEHICLE

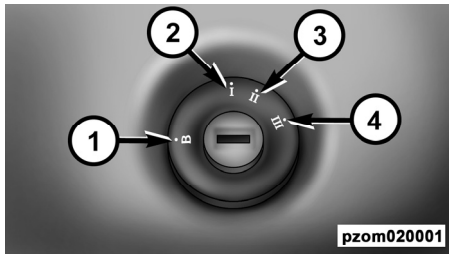
▶ Operating Safety Tips	28	▷ Exhaust Gas	29	▶ New Vehicle Break-In Recommendations	30
▷ Transporting Passengers	28	▷ Interior Vehicle Safety Inspection	29	▷ Engine Break-In Recommendations	30
▷ Locking Your Vehicle	28	▷ Exterior Vehicle Safety Inspection	30	▷ Braking System Break-In Recommendations	31
				▷ Tire and Wheel Break-In Recommendations	31

Ignition Key

Ignition Key Removal

Manual Transaxle

To remove the ignition key from the ignition switch, place the shift lever in NEUTRAL, apply the parking brake, turn the ignition switch to the ACC position, push the key inward, rotate the key to the LOCK position and remove the key.



Ignition Key Positions

- | | |
|----------|-----------|
| 1 - LOCK | 3 - ON |
| 2 - ACC | 4 - START |

⚠ WARNING!

NEVER leave children unattended in a vehicle. Leaving children unattended in a vehicle is dangerous. A child or others could be seriously or fatally injured. Children could operate the power windows, other controls, or set the vehicle in motion. **NEVER** leave the keys in a vehicle.

CAUTION!

An unlocked car is an invitation to thieves. Always remove the key from the ignition and lock all doors when leaving the vehicle unattended.

Locking Doors With The Key

There are two external door locks which are located on the driver's door and front passenger's door. You can insert the key into the lock with either side up. To lock the door, turn the key clockwise; to unlock the door, turn the key counter-clockwise.

Replacement Keys

Duplication of keys consists of programming a blank key to the vehicle electronics. A blank key is one which has never been programmed. See your authorized Chery dealer if you require replacement or additional keys for your vehicle.

CAUTION!

Always remove the key from the vehicle and lock all doors when leaving the vehicle unattended.

18 – BEFORE OPERATING YOUR VEHICLE

Remote Keyless Entry

This system allows you to lock or unlock all doors remotely using the Remote Keyless Entry (RKE) transmitter.



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Vehicle Key

To Lock the Doors

Press and release the LOCK button on the transmitter to lock all doors.

NOTE: Transmitter and receivers must be certified to conform to specific regulations in each individual country. Operation is subject to the following two conditions:

- The device cannot cause harmful interference.

- The device must accept any interference received, including interference that may cause undesired operation.

If your RKE transmitter fails to operate from a normal distance, check for these two conditions:

- Weak batteries in the transmitter (the expected life of the transmitter battery is a minimum of three years).
- Radio transmitter interference, such as a radio station tower, airport transmitter, and some mobile or CB radios.

Transmitter Battery Replacement

The recommended replacement battery is CR2032.

- With the transmitter buttons facing down, use a flat object to insert into the transmitter separation slot.



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Transmitter Separation Slot

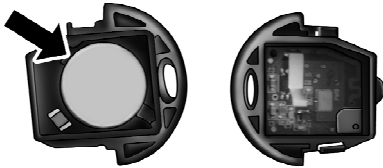
- Gently pry the transmitter key apart from the transmitter case and remove the key.



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Separating Transmitter Key/Case

- Separate the transmitter into two halves. Use caution not to damage the seal.



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Transmitter Battery Location

- Remove and replace the batteries. Avoid touching the new batteries with your fingers. Skin oils may cause battery deterioration. If you touch a battery, clean it with rubbing alcohol.
- To reassemble the transmitter case, assemble the two halves of the case and then snap the key back onto the transmitter case.

Anti-Theft Security Protection

Vehicle Alarm

With the vehicle armed, if an unauthorized person attempts to unlock any door or the hood, this will cause the vehicle alarm to trigger. When triggered, the vehicle alarm will cause all directional signals to flash continuously and will sound the horn for a few seconds.

Security Lamp

The security lamp is located on the driver's door panel, near the door lock plunger. The security lamp will flash continuously when the vehicle is armed.

⚠ WARNING!

Only when all the doors and the hood are fully closed, can the vehicle be armed. When the vehicle is in the anti-theft mode, the following conditions will exist:

- All four doors and the hood are locked
- The security lamp will continuously flash

Security Auto-Locks

To prevent theft and maintain security, the vehicle is equipped with an Auto-Lock feature. If the door locks are accidentally unlocked by the RKE transmitter and the doors are not opened within 28 seconds, the doors will be relocked automatically. When the Auto-Lock feature is activated, the security lamp will flash twice and the alarm will sound once.

Electronic Key Identification

Electronic Key Identification utilizes engine "no-start" technology to greatly enhance the vehicle safety and vehicle theft prevention system.

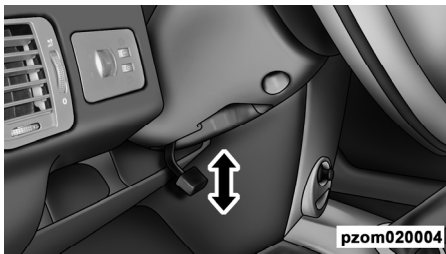
The electronic chip, built into each key, integrates the key, electronic anti-theft equipment and engine control module into an active theft prevention system. If a key is duplicated without the authorization of the owner, and the key has no electronic chip containing the electronic information required for the anti-theft equipment and engine control module, the engine will not start using the duplicated key, thus decreasing the probability of vehicle theft.

In the event that you have lost your vehicle key, you should go to an authorized Chery dealer to obtain a replacement key. The dealer can make a new key for your vehicle and deactivate your lost key.

Steering Wheel

Adjusting Steering Wheel

The steering wheel can be adjusted to make the driver more comfortable. Pull down the locking lever to move the steering wheel upward and downward. After the proper adjustment, pull the locking lever back to its original position to secure the steering wheel in place.



Adjustable Steering Wheel

WARNING!

Do not adjust the steering wheel while driving. Adjusting the steering wheel while driving could cause the driver to lose control of the vehicle.

Horn



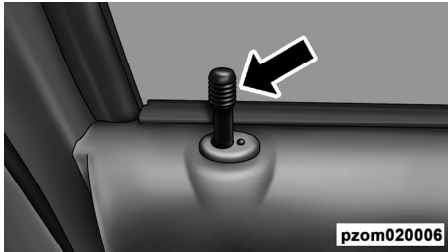
Horn Position

Press the center push pad on the steering wheel to operate the horn. The horn will still work with the ignition switch in the OFF position.

Door Locks

Manual Door Locks

The front doors can be locked/unlocked by turning the key in the door lock cylinder. Use the manual door lock switch on the door panel to unlock the doors from inside of the vehicle. If the rear door switch is in the locked position when the door is closed, the door will lock. It is recommended to use the Remote Keyless Entry to lock the doors.



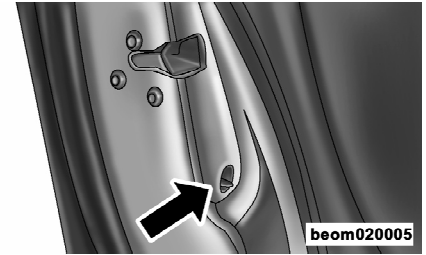
Manual Lock Switch

⚠ WARNING!

For personal security and safety, lock the vehicle doors when you drive, as well as when you park and leave the vehicle. When leaving the vehicle, always remove the key from the ignition switch, and lock your vehicle. Do not leave children unattended in the vehicle, or with access to an unlocked vehicle. Unsupervised use of vehicle equipment may cause severe personal injuries or death.

“Child-Protection” Door Lock System (Rear Doors)

The Rear Door Child-Protection Locks are located inside the rear door. Turn the child lock control upward or downward to the lock or unlock position (as shown by the icons on the door).



Child Lock Control

⚠ WARNING!

- To avoid trapping passengers in the vehicle during a collision, remember that the rear doors can only be opened from the outside when the child protection locks are engaged.

(Continued)

⚠ WARNING! (Continued)

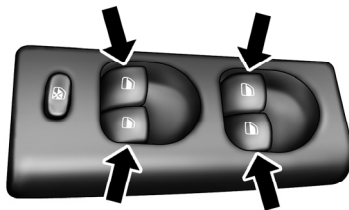
- **In hot weather, the temperature inside the vehicle can rise very quickly after the engine is turned off. Do not leave animals or children inside parked vehicles in hot weather; interior heat buildup may cause serious injury or death. If even left there for a short time, it is likely that serious injury or death could occur.**

NOTE: For emergency exit with the system engaged, move the lock switch up to the unlocked position, roll down the window, and open the door with the outside door handle.

Power Windows**Power Window Switches**

The driver's door trim panel has switches that operate all four power windows. There are single window controls on each passenger door trim panel that operate each respective

passenger door window. The windows will operate only when the ignition switch is turned to the ON position and will remain active for 60 seconds after the ignition key is removed.



pzom020007

Power Window Switches**⚠ WARNING!**

Never leave children in a vehicle with the key in the ignition switch. Occupants, particularly unattended children can become trapped by the windows while operating the power window switches which may result in serious injury or death.

Auto - Down Feature

All four power window switches have the Auto-Down feature. Press and hold the window switch for one second, release, and the window will go down automatically.

NOTE: If any windows are left open while locking the vehicle, the windows will automatically be shut by pressing the LOCK button on the key fob transmitter.

Rear Window Safety Switch

There is a rear window safety switch on the driver door trim panel. Press the switch to lock all passenger side power windows. Cancel this feature by pressing the switch again. This feature is recommended if there are children in your vehicle.



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Rear Window Safety Switch

⚠ WARNING!

There is no anti-pinch protection when the window is closing. To avoid personal injury, be sure to clear all arms, hands, fingers and all objects away from the window path before closing.

Occupant Restraints**Lap/Shoulder Belts**

Be sure everyone in your vehicle is in a seat and properly using a seat belt. Never use a lap/shoulder belt or lap belt for more than one person. Make

sure that the seat belt is properly fastened without looseness, twists, or obstruction.

⚠ WARNING!

A lap belt worn too high can increase the risk of internal injury in a collision. The belt forces won't be at the strong hip and pelvic bones, but across your abdomen. Always wear the lap belt as low and snug as possible.

In a collision, an unrestrained child, even a tiny baby, can be propelled inside the vehicle if not properly restrained. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others can be badly injured. Any child riding in the vehicle should be in an appropriate restraint for the child's size.

Lap/Shoulder Belt Warning Light

With the ignition switch ON, this light is illuminated. It will not turn off until the driver properly attaches the seat belt.

Front Lap/Shoulder Belt Operating Instructions

The seat belt latch plate is above the back of the front seat, next to your shoulder. Grasp the latch plate and pull out the belt. While pulling out the belt, slide the latch plate up the webbing as far as necessary to allow the belt to go around your lap. When the belt is long enough to fit, insert the latch plate into the buckle until you hear a "click".

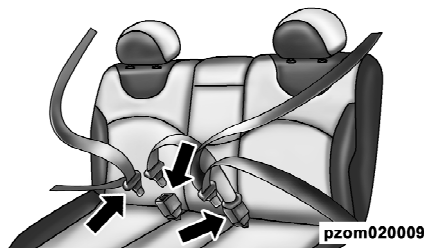
⚠ WARNING!

A belt that is fastened into the wrong buckle will not protect you properly. Always buckle your belt into the nearest buckle.

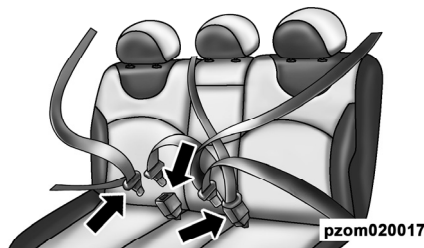
To release the belt, push the red button on the buckle. The belt will automatically retract to its stowed position. If necessary, slide the latch plate down the webbing to allow the belt to retract fully.

Rear Seat Belt Operating Instructions

This seat belt length cannot be adjusted automatically. The seat belt is adjusted by an adjustable buckle that slides along its length to provide the proper fit for the passenger. When the belt has been adjusted to fit the passenger, insert the latch plate into the buckle until you hear a "click", and then adjust the length of seat belt manually across your abdomen.



Rear Seat Belt Location With Two Head Restraints



Rear Seat Belt Location With Three Head Restraints

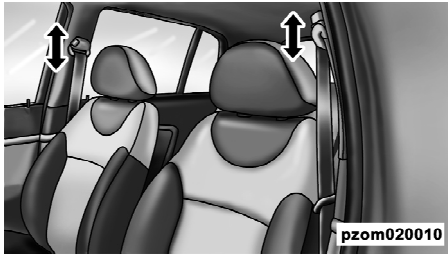
NOTE: In some countries, the rear seat is equipped with three rear head restraints.

⚠ WARNING!

A twisted belt cannot perform properly. In a collision, it could even cut into its passenger. Be sure the belt is straight. If you can't straighten a belt in your vehicle, take it to an authorized Chery dealer and have it repaired.

Adjustable Upper Shoulder Belt Anchorage

In the driver's seat and front passenger's seat, the shoulder belt can be adjusted upward or downward to position the belt away from the driver's or passenger's neck. Push and fully depress the button to release the anchorage, and move it up or down to the position that fits you best.



Adjustable Upper Shoulder Belt Anchorage

Maintenance for Seat Belt

Inspection Of Seat Belt

The seat belt should be inspected regularly for damage or frays. Damaged parts must be replaced immediately. Seat belt assemblies must be replaced if they have been damaged after a collision.

⚠ WARNING!

Do not disassemble or modify the seat belt.

Washing Seat Belt

The seat belt should be washed with vehicle detergent or warm water and allowed to dry naturally.

⚠ WARNING!

Never use chemical detergents, boiled water, bleach or dye to wash the seat belt.

Never allow water to enter the belt retractor.

Airbags

The airbags work with the seat belts to properly restrain the driver and front-seat passenger in the event of a collision.

NOTE: As the triggered airbags deflate you may see some smoke-like particles. The particles are a normal by-product of the process that generates the nontoxic gas used for airbag inflation.

The front occupants must be sitting as upright as possible in order to be effectively protected.

⚠ WARNING!

Always properly position your seat belt to maintain the proper distance from the steering wheel. Only then can the airbag provide optimal protection during a collision.

Front Airbags



Driver and Passenger Airbags

The seat and backrest must be positioned correctly for the airbag to provide optimal protection during a collision. The vertical sitting posture is best when the lower back is in contact with the seat backrest as much as possible and the inclination of seat backrest is not over 25 degrees. Never position the front seat too close to the instrument panel. While driving, the steering wheel should be held with the arms slightly flexed. This is an ideal driving posture, which helps to decrease the risk of the driver being injured in a collision in which the airbag does not deploy.

The front airbag will deploy in a moderate to severe frontal collision or within the scope of left/right 30 degree collisions. When it touches the occupant, it instantly deflates to cushion the forward movement of the occupant. An airbag is designed to deploy in moderate to severe frontal or near-frontal crash. The airbag will deploy

only if the impact speed is above the system's designated threshold level.

WARNING!

Do not put anything on or around the front airbag covers or attempt to manually open them. Take your vehicle to an authorized Chery dealer for steering wheel, steering column and airbag system service or you could be injured because of accidental airbag deployment.

Airbag Warning Light

When the ignition switch is in the ON position, the warning light in the instrument panel will be turned on and remain on for 3-4 seconds. If the light does not come on, remains illuminated after you start the vehicle, or if it comes on as you drive, take your vehicle to an authorized Chery dealer for inspection. It is suggested by the airbag manufacturer that the airbag

should be replaced after 10 years of service because the efficiencies of the inflating agent and airbag deteriorate. If you are not clear about the service life of your vehicle's airbag, your authorized Chery dealer can answer any questions or address any concerns you may have. Take your vehicle only to an authorized Chery dealer for service.

Child Restraint

Please follow the manufacturer's directions exactly when installing an infant or child restraint. There are different sizes and types of restraints for children from newborn size to a child almost large enough for an adult safety belt. Always check the child seat owner's manual to ensure you have the correct seat for your child. Use the restraint that is correct for your child.

⚠ WARNING!

In a collision, an unrestrained child, even a tiny baby, can be propelled inside the vehicle if not properly restrained. The force required to hold even an infant on your lap could become so great that you could not hold the child, no matter how strong you are. The child and others could be badly injured. Any child riding in the vehicle should be in an appropriate restraint for the child's size.

NEVER use a backward-facing child restraint seat on a passenger seat protected by an airbag. A backward-facing child restraint should only be used in the rear seat. A backward-facing child restraint in the front seat may be struck by a deploying passenger airbag which may cause severe or fatal injury to the infant.

For all children under 12 years old or shorter than 150 cm, a special child restraint must be used. An infant restraint, child restraint, or a heightened seat cushion is required. The child restraint must be applicable and government-authorized. Maximum child safety can be obtained when the safety seat works together with the seat belt.

Children who weigh less than 10 kg or are less than 1 year old should be placed in a baby carrier on the rear seat with the child lying flat and the baby carrier restrained. For infants, use a rearward-facing child restraint.



Rearward Facing Child Seat

Children who weigh between 10 kg to 18 kg or are less than 4 years old should use child restraints on the rear seat.



pzom020013

Child Restraint Seat

Children who weigh between 18 kg and 36 kg or are between 4 and 12 years old should sit on the heightened seat cushion on the rear seat. The adjustable auxiliary seat belt attached to the heightened seat cushion can ensure a child uses the seat belt properly. The heightened seat cushion positions the belt away from the child's neck and the lap belt should fit across the child's abdomen.



pzom020014

Heightened Seat Cushion

⚠ WARNING!

Each child restraint is intended for one child only.

According to most local traffic laws, children are forbidden to sit in the front seat and should use the applicable child restraints.

Operating Safety Tips

Transporting Passengers

NEVER TRANSPORT PASSENGERS IN THE CARGO AREA.

⚠ WARNING!

It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.

Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.

Be sure everyone in your vehicle is in a seat and using a seat belt properly.

Locking Your Vehicle

Always remove the key from the ignition switch and lock all doors when leaving the vehicle unattended, even in your own driveway or garage. Try to park your vehicle in a well-lit area and avoid leaving articles of value exposed.

Exhaust Gas

WARNING!

Exhaust gases can injure or kill. They contain carbon monoxide (CO), which is colorless and odorless. Breathing it can make you unconscious and can eventually poison you and lead to death.

Do not run the engine in a closed garage or in confined areas any longer than needed to move your vehicle in or out of the area.

If it is necessary to sit in a parked vehicle with the engine running, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.

If you are required to drive with the rear hatch open, make sure that all windows are closed and the climate

control BLOWER switch is set at high speed. DO NOT use the recirculation mode.

The best protection against carbon monoxide entry into the vehicle passenger compartment is a properly maintained engine exhaust system.

Interior Vehicle Safety Inspection

Seat Belts

Inspect the belt system periodically, checking for cuts, frays, and loose parts. Damaged parts must be replaced immediately. Do not disassemble or modify the system.

Front seat belt assemblies must be replaced after a collision. Rear seat belt assemblies must be replaced after a collision if they have been damaged (i.e., bent retractor, torn webbing, etc.). If there is any question regarding belt or retractor condition, replace the belt.

Airbag Warning Light

The airbag warning light should come on and remain on for 3-4 seconds as a bulb check when the ignition switch is first turned ON. If the light is not lit during starting, see your authorized Chery dealer. If the light stays on, flickers, or comes on while driving, have the system checked by an authorized Chery dealer.

Defroster

Check the operation by selecting the defrost mode and place the blower control on high speed. You should be able to feel the air directed against the windshield. See your authorized Chery dealer for service if your defroster is inoperable.

Exterior Vehicle Safety Inspection

Tires

Examine the tires for excessive tread wear and uneven wear patterns. Check the tires for the following:

- Stones, nails, glass, or other objects lodged in the tread
- Tread and sidewall for cuts and cracks
- Proper pressure (including spare)
- Wheel nuts for proper torque

Lights

Have an assistant observe the operation of exterior lights while you work the controls. Check turn signal and high beam indicator lights on the instrument panel. Check the following lights for proper operation:

- Low beam headlights
- High beam headlights
- Turn signal lights
- Taillights
- Stop lights

Fluid Leaks

Check the area under the vehicle after overnight parking. If a leak is suspected, the cause should be located and corrected immediately. Check the following for possible leaks:

- Fuel
- Engine coolant
- Engine oil
- Transaxle oil
- Power steering fluid
- Brake fluid

New Vehicle Break-In Recommendations

Engine Break-In Recommendations

Vehicle frictional resistance is much greater when the vehicle is new. The result of proper engine break-in will impact the service life, operating reliability and vehicle economical efficiency. The following is the proper engine break-in procedure:

During first 1,000 km of operation:

- Do not allow the engine speed to exceed 3,000 RPM
- Do not exceed 100 km/h
- Do not operate the engine at maximum speed when upshifting

During 1,000-1,500 km of operation:

- Driving speed can be gradually increased to greater than 100 km/h
- Engine speed can be gradually increased to its maximum

Safety Tips During Engine Break-In

The maximum engine speed is 6,000 RPM. When operating the manual transaxle, the vehicle must be shifted into the next highest gear before the needle of the tachometer is in the red range.

NOTE: To utilize your vehicle efficiently, avoid operating the engine at unnecessary high speeds. To optimize fuel efficiency, the vehicle should be shifted to the next highest gear position at the

proper engine/road speed. This will decrease operational noise and help reduce environmental pollution.

NOTE: The engine is also at risk if it is operated at too low an engine speed. It should be shifted to a lower gear position in order to maintain the proper engine speed.

NOTE: The engine must be at normal operating temperature before operating the engine at high speed.

Braking System Break-In Recommendations

The brakes cannot provide the ideal friction to stop during the vehicle's first 200 km of operation. You should depress the brake pedal firmly to increase friction and improve stopping capability.

Tire and Wheel Break-In Recommendations

New tires require a brief break-in period. Your vehicle should be driven

slowly and especially carefully within the first 100 km of driving.

Vehicle wheel nuts must be re-tightened to the specified torque after the first 800 km of driving. Also, when a wheel has been replaced or after wheel nuts have been loosened, they must be re-tightened to the specified torque after driving 800 km.

FEATURES OF YOUR VEHICLE

CONTENTS

▶ Mirrors	35	▷ Manual Rear Seat Adjustments	39	▷ Front Interior Lighting	43
▷ Inside Rearview Mirror	35	▷ Head Restraints	40	▷ Rear Hatch Light	44
▷ Outside Mirror	35	▶ Lights	41	▷ Brake Lights	44
▷ Outside Mirrors Folding Feature	35	▷ Headlights, Parking Lights (Front Position Lights, Instrument Panel Lights and License Light)	41	▷ Reverse Lights	44
▷ Power Remote Control Mirrors	35	▷ High Beam/Low Beam Select Switch	41	▶ Sunroof (If Equipped)	44
▷ Vanity Mirrors	36	▷ Flash to Pass	41	▷ Opening Sunroof	44
▶ Windshield Wipers and Washers	36	▷ Front Fog Lights	42	▷ Closing Sunroof	44
▷ Front Windshield Wipers and Washers	37	▷ Rear Fog Lights	42	▷ Anti-Pinch Feature	44
▷ Rear Window Wiper and Washer	38	▷ Turn Signals	42	▷ Tilt Up Feature	44
▶ Seats	38	▷ Dimmer Control	43	▷ Tilt Down Feature	45
▷ Manual Front Seat Adjustments	38	▷ Headlight Leveling System	43	▷ Sunshade Operation	45
				▶ Cigarette Lighter and Ashtray	45
				▷ Cigarette Lighter	45
				▷ Front Ashtray	45

34 – FEATURES OF YOUR VEHICLE

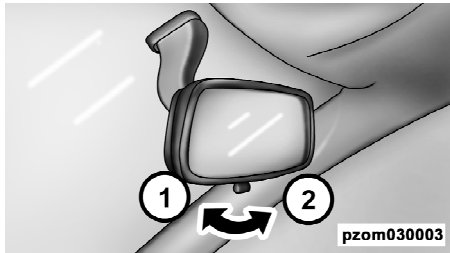
▷ Rear Ashtray (If Equipped)	46	▷ Rear Cupholder	47	▶ Reversing Sonar System	49
▶ Rear Hatch Release	46	▶ Storage Areas	47	▷ Reversing Sonar Operation	49
▷ Rear Hatch Release Lever	46	▷ Glove Box	47	▷ Reversing Sonar Display	51
▶ Cup and Bottle Holders	47	▷ Auxiliary Storage Compartments	48	▷ Reversing Sonar Sensors	51
▷ Front Cupholders (If Equipped)	47	▷ Cargo Area	48		

Mirrors

Inside Rearview Mirror

Adjust the mirror to a center view position through the rear window. Night time headlight glare can be reduced by moving the control lever under the mirror to the night position.

NOTE: The mirror viewing range should be adjusted in the day position before using the night position.



Inside Rearview Mirror

1 - Day

2 - Night

Outside Mirror

For the driver's maximum benefit, adjust the outside mirrors to center on the adjacent lane of traffic, slightly overlapping the view obtained from the inside mirror.

⚠ WARNING!

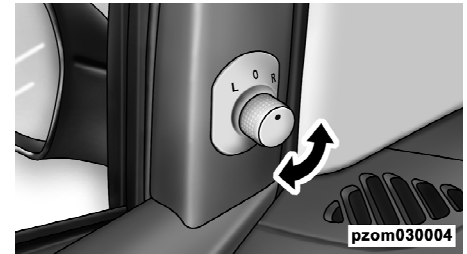
Vehicles and other objects seen in the outside mirrors will appear smaller and farther away than they really are. Relying solely on your outside mirrors could cause you to collide with another vehicle or object.

Outside Mirrors Folding Feature

Outside mirrors can be folded manually. The outside mirror can be restored to its normal position by unfolding it outward to the proper position.

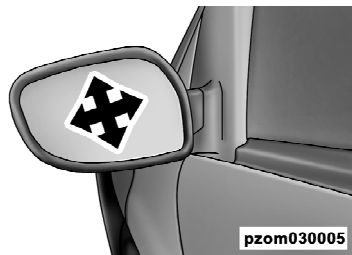
Power Remote Control Mirrors

The power mirror switch is located on the driver's door. A rotary knob selects the left mirror, right mirror, or off position.



Power Mirror Adjust Switch

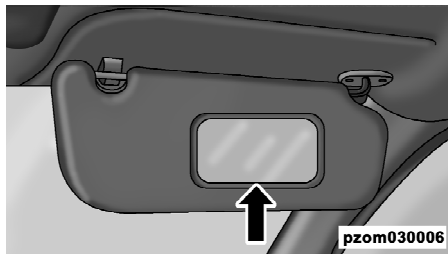
Outside mirrors can be adjusted remotely only when the ignition switch is in the ON position. After selecting the left or right mirror, toggle the knob in the same direction you want the mirror to move. When finished, return the knob to the center middle position to guard against accidental mirror movement.



Outside Mirror Directions

Vanity Mirrors

A vanity mirror is located on the front passenger side sun visor. The vanity mirror can be found by rotating the sun visor down.



Vanity Mirror

Windshield Wipers and Washers

The wiper and washer control lever is located on the right side of the steering column, near the instrument panel. The wiper/washer operates only when the ignition switch is in the ON position.

CAUTION!

In cold weather, always turn the wiper switch OFF and allow the wipers to return to the park position before shutting off the engine. If the wiper switch is left ON and the wipers freeze to the windshield, damage to the wiper motor may occur when the vehicle is restarted.

Always remove any buildup of snow that prevents the windshield wiper blades from returning to the park position. If the windshield wipers are operated before the snow is removed, damage to the wiper motor may occur.

Never operate the windshield wipers when the windshield is dry. Operating the windshield wipers on a dry windshield will scuff the windshield and permanently damage the wiper blades.

Front Windshield Wipers and Washers

High and Low Speed Feature



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High and Low Speed Control

Move the lever up to the first setting past the intermittent settings for low speed wiper operation, or to the second setting past the intermittent settings for high speed wiper operation.

Intermittent Wiper Feature

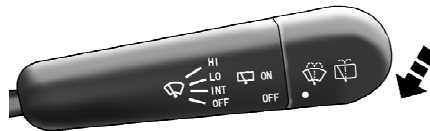


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Front Wiper Intermittent Control

Move the lever up to the INT position to make a single wiping cycle with a pause between cycles.

Windshield Washer Feature



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Windshield Washer Control

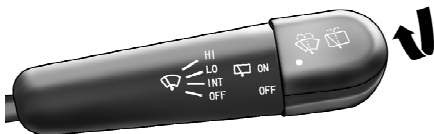
To activate the washer, pull the Windshield Wiper/Washer Control Lever toward you and hold it for as long as washer spray is desired. If you activate the washer while the wiper control is in the OFF position, the wipers will operate for several wipe cycles and then turn OFF.

CAUTION!

The windshield washer operating time should be no longer than 10 seconds.

Operating the windshield washer when the fluid tank is empty may damage the washer motor.

Rear Window Wiper and Washer Normal Speed Feature



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Rear Wiper Normal Speed Control

Rotate the end of the wiper switch lever to the ON position for normal rear wiper speed operation.

Rear Window Washer Feature



pzom030010

Rear Window Washer Control

To activate the rear washer, push the wiper switch lever away from you and hold it for as long as washer spray is desired. The wipers will operate for several wipe cycles when the lever is released.

CAUTION!

The rear washer operating time should be no longer than 10 seconds.

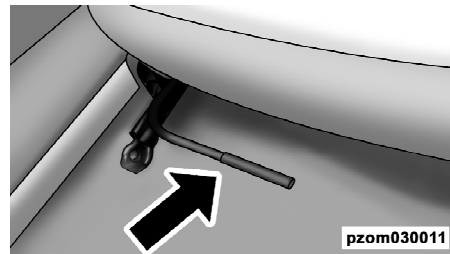
Operating the rear washer when the fluid tank is empty may damage the washer motor.

Seats

Manual Front Seat Adjustments

Forward and Backward Adjustment

The manual seat adjustment bar is at the front of the seat, near the floor. Pull the bar upward and slide the seat forward or backward. Release the bar once the seat is in the desired position. To confirm the seat is locked into place, attempt to move the seat forward and backward after adjusting the seat.



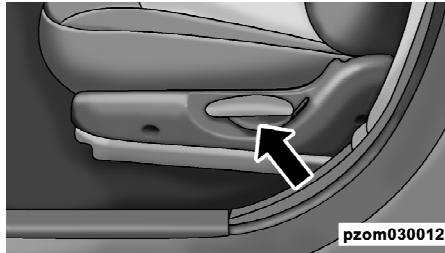
Manual Seat Adjustment

⚠ WARNING!

Never adjust the seat while driving. The sudden movement of the seat could cause you to lose control. Adjust the seat only while the vehicle is parked.

Recliner Adjustment

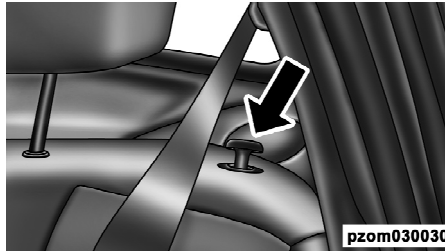
The recliner control lever is on the outboard side of the seat. To recline the seat, lean forward slightly and lift the lever, then lean back to the desired position and release the lever. Lean forward and lift the lever to return the seat back to its normal position.



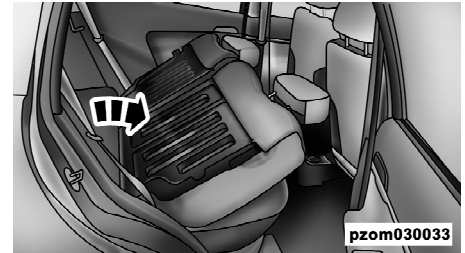
Seat Back Recliner Lever
Manual Rear Seat Adjustments

Folding Rear Seats

To provide additional storage area, each rear seat back can be folded forward. Pull the release knob upward to move the seat forward and flat.



Folding Rear Seat Release Knob



Rear Seats Folded Flat

NOTE: Prior to folding the rear seats, be sure that the front seats are fully upright and positioned forward. This will allow the rear seat to fold down easily.

⚠ WARNING!

- It is extremely dangerous to ride in a cargo area, inside or outside of a vehicle. In a collision, people riding in these areas are more likely to be seriously injured or killed.

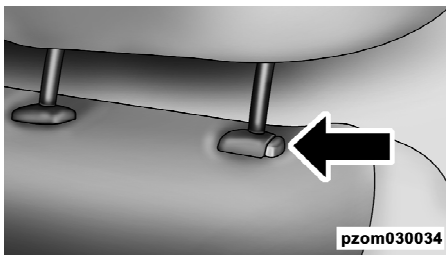
(Continued)

⚠ WARNING! *(Continued)*

- Do not allow people to ride in any area of your vehicle that is not equipped with seats and seat belts.
- Be sure everyone in your vehicle is in a seat and using a seat belt properly.
- In a collision, you or others in your vehicle could be injured if seats are not properly latched to their floor attachments. Always be sure that seats are fully latched.

Head Restraints

Head restraints can reduce the risk of whiplash injury in an accident. Head restraints can only protect the occupant if they are adjusted properly.

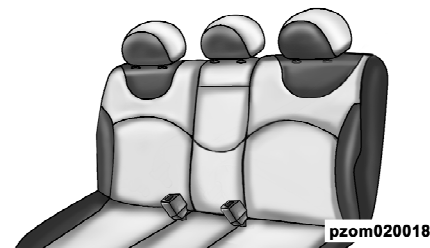
Front Head Restraints**Head Restraint Adjustment****Adjusting the Head Restraint**

Adjust the head restraint so that the upper edge of the head restraint is as high as the top of the occupant's head, keeping the center of the occupant's head in the center of the head restraint. Press the lock release button, then pull up on the head restraint to raise and push down to lower.

Removing or Installing the Head Restraints

To remove the head restraint, you must simultaneously press the lock release button and pull the head re-

straint out of the seat sleeves. To reinstall the head restraint, insert the posts into the sleeves and push the head restraint downward until it locks into place.

Rear Head Restraints**Rear Seat With Three Head Restraints**

The adjustment of rear head restraints is the same as the front head restraints.

NOTE: In some countries, the rear seat is equipped with three rear head restraints.

⚠ WARNING!

Never sit in a seat or allow a passenger to sit in a seat without having the head restraint in place and adjusted properly as it may result in personal injury to you or your passenger in an accident.

Lights

Headlights, Parking Lights (Front Position Lights, Instrument Panel Lights and License Light)

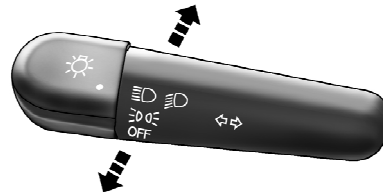


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Headlight Control

Rotate the end of the multifunction switch lever to the first setting for parking lights (front position lights, instrument panel lights and license light). Rotate the end of the lever to the second setting for headlight operation.

High Beam/Low Beam Select Switch



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High Beam Control

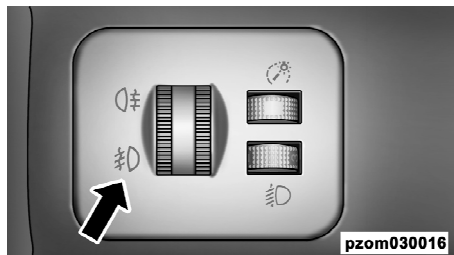
When the multifunction switch lever is in the headlight position, push the multifunction switch lever away from you to switch the headlights to the HIGH beam position. When the high beam position is selected, the high

beam indicator on the instrument cluster will illuminate immediately. Pull the lever toward you to switch the headlights back to the LOW beam position.

Flash to Pass

While driving, you can signal another vehicle with your headlights by lightly pulling the multifunction switch lever toward you. This will cause the headlights to switch from low beam operation to high beam operation and remain on until the lever is released. Repeating this operation can flash the high beam headlights continuously.

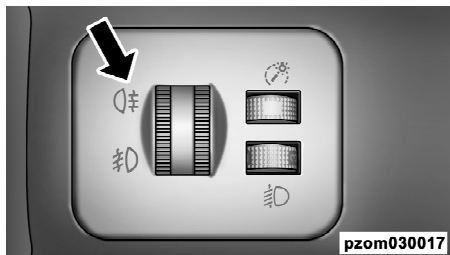
Front Fog Lights



Front Fog Light Switch

The front fog light switch is located on the driver side of the instrument panel. With the multifunction switch in the first or second lighting position, rotate the front fog light switch to turn on the front fog lights. When the front fog lights are ON, the indicator on the instrument cluster illuminates immediately. The front fog light should only be used in foggy, snowy, or rainy conditions.

Rear Fog Lights



Rear Fog Light Switch

The rear fog light switch is located on the driver side of the instrument panel. With the multifunction switch in the second lighting position or when the front fog lights are turned on first, rotate the rear fog light switch to turn on the rear fog lights. When the rear fog lights are ON, the indicator on the instrument cluster illuminates immediately. The rear fog lights may distract or affect visibility of drivers behind you. Operating this light is recommended only under the lowest visibility conditions.

Turn Signals

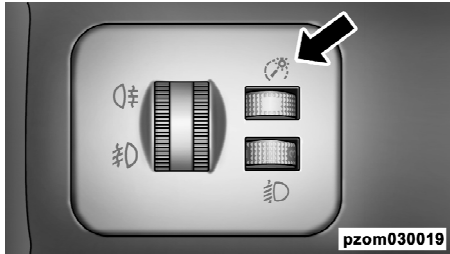


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Turn Signal Control

Move the multifunction switch lever upward or downward and the corresponding turn signal indicator on the instrument panel will flash. Turn signals operate only when the ignition switch is in the ON position.

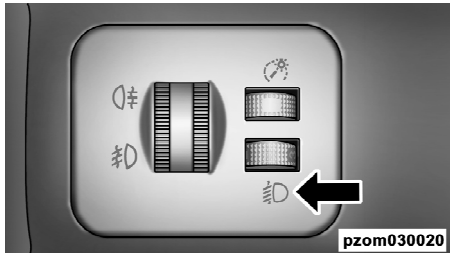
Dimmer Control



Dimmer Control Switch

The Dimmer Control is located on the driver side of the instrument panel. It controls the brightness of the instrument panel lights.

Headlight Leveling System



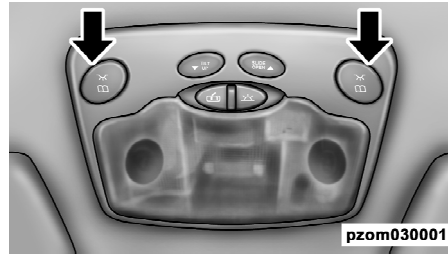
Headlight Leveling Switch

The headlight leveling switch is located on the driver side of the instrument panel. It can be operated in four positions: 0, 1, 2, or 3. Each setting can be used to adjust the headlight level as required under specific driving conditions.

Front Interior Lighting

The front interior light is located in the headliner above the rearview mirror.

Reading Lights

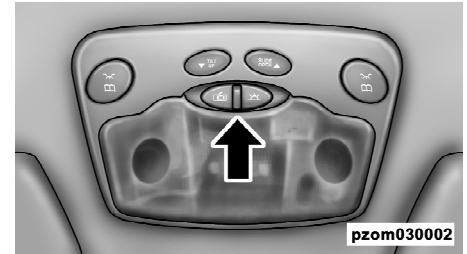


Reading Light Switches

The left and right reading lights are activated ON by pressing either of the

light switches once. Press the switches a second time to turn the reading lights OFF.

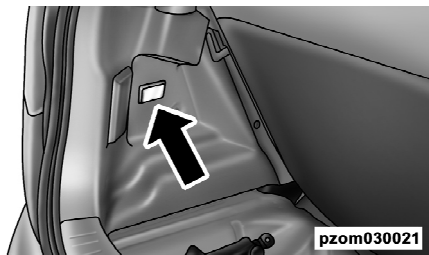
Dome Light



Dome Light Switch

The dome light can be activated ON for continuous illumination by sliding the dome light switch to the ON position. When the dome light switch is in the DOOR position, opening any door will turn on the interior light. When the doors are closed, the interior light will remain illuminated for several seconds. This delay feature is deactivated when the ignition switch is in the ON position.

Rear Hatch Light



Rear Hatch Light Position

When the rear hatch is opened, the rear hatch light will illuminate automatically, regardless if the ignition switch is ON or OFF.

Brake Lights

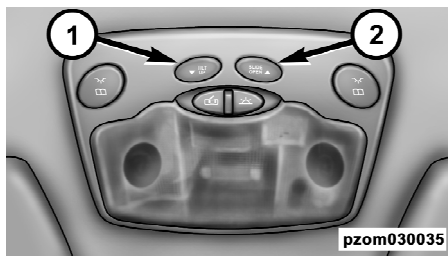
Depressing the brake pedal will illuminate the brake lights, and releasing the brake pedal will turn the brake lights off.

Reverse Lights

With the ignition switch in the ON position, the reverse lights illuminate when the transaxle is placed in the reverse range. The lights turn OFF when

the ignition switch is in the LOCK position, or the transaxle is shifted out of reverse.

Sunroof (If Equipped)



Sunroof Switches

1 - TILT UP

2 - SLIDE OPEN

Opening Sunroof

Press and momentarily hold the SLIDE OPEN (2) switch and release. The sunroof will open fully and then stop automatically.

NOTE: During this operation, pressing the TILT UP (1) switch will stop the sunroof.

Closing Sunroof

Press and momentarily hold the TILT UP (1) switch and release. The sunroof will close fully and stop automatically.

NOTE: During this operation, pressing the SLIDE OPEN (2) switch will stop the sunroof.

Anti-Pinch Feature

This feature will detect an obstruction in the sunroof's path while closing. If an obstruction is detected, the sunroof will automatically retract. If this occurs, remove the obstruction, then press the TILT UP (1) switch and release to close.

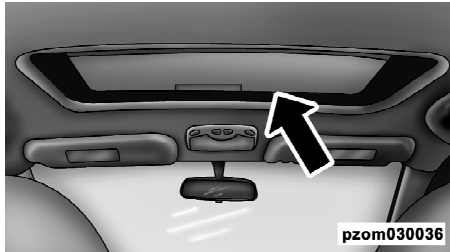
Tilt Up Feature

With the sunroof closed, press and momentarily hold the TILT UP (1) switch and the back of the sunroof glass will tilt up automatically. During this operation, pressing the SLIDE OPEN (2) switch will stop the sunroof.

Tilt Down Feature

Press and momentarily hold the TILT UP (1) switch and the back of the sunroof glass will automatically tilt downwards into the closed position.

Sunshade Operation



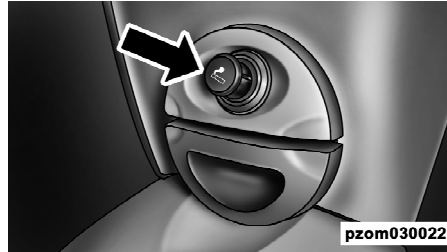
Sunshade Position

The sunshade can be slid open manually to expose the sunroof while the sunroof is still closed. However, the sunshade will open automatically as the sunroof opens.

NOTE: The sunshade cannot be closed if the sunroof is open.

Cigarette Lighter and Ashtray

Cigarette Lighter



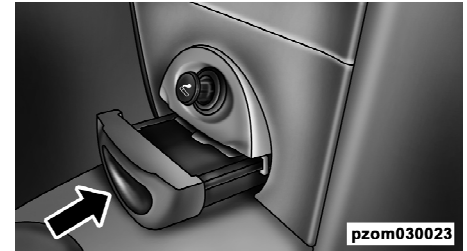
Cigarette Lighter

The cigarette lighter is located in the middle of the instrument panel, under the climate control panel. Press the cigarette lighter inward and wait until it automatically pops out. The cigarette lighter can be used when the ignition switch is OFF.

⚠ WARNING!

To prevent injury to passengers and damage to your vehicle, never press and hold the cigarette lighter for an extended period of time. If children are left in the vehicle, the cigarette lighter should be removed.

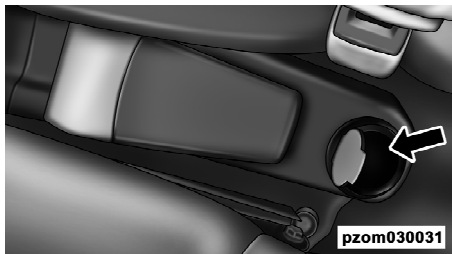
Front Ashtray



Front Ashtray

The front ashtray is located in the middle of the instrument panel, under the climate control panel.

Rear Ashtray (If Equipped)



Rear Ashtray Position

The rear ashtray is located on the center console, behind the parking brake lever. Open the rear ashtray cover to expose the rear ashtray.

Rear Hatch Release

Rear Hatch Release Lever



Rear Hatch Release Lever

The rear hatch can be opened by using any of the following ways:

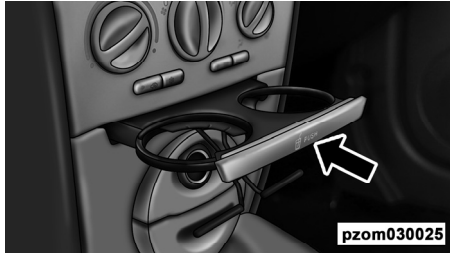
- Rear hatch release lever
- Vehicle key

WARNING!

Do not allow children to have access to the cargo area, either by climbing into the cargo area from the outside, or through the inside of the vehicle. Once in the cargo area, young children may not be able to escape, even if they entered through the rear seat. If trapped in the cargo area, children can die from suffocation or heat stroke. Always close the rear hatch when your vehicle is unattended.

Cup and Bottle Holders

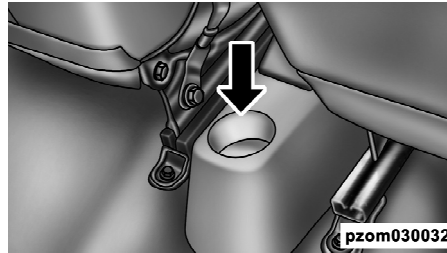
Front Cupholders (If Equipped)



Front Cupholder Location

The front cupholders are located in the middle of the instrument panel, under the climate control panel. Push the front of the cupholder inward, and a set of cup holders are available, each of which can accommodate two large beverage containers.

Rear Cupholder



Rear Cupholder Location

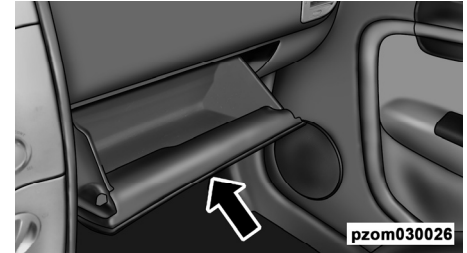
The rear cupholder is located in the center console, behind the parking brake lever. If the vehicle is equipped with a rear ashtray, remove the rear ashtray to expose the rear cupholder.

⚠ WARNING!

If containers of hot liquid are placed in the cup holder, they can spill while transporting them. Use caution when transporting hot liquids to avoid injury.

Storage Areas

Glove Box



Glove Box

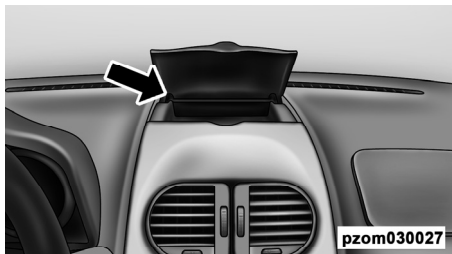
The glove box is located on the lower passenger side of the instrument panel. Pull the release lever to open the glove box.

CAUTION!

To reduce the chance of injury in case of an accident or a sudden stop, always keep the glove box closed while driving.

Auxiliary Storage Compartments

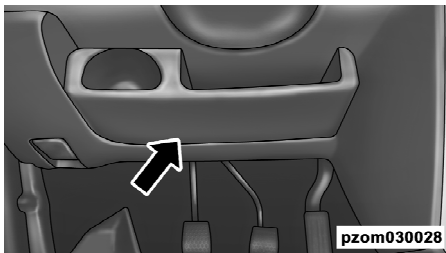
Instrument Panel Storage Compartment



Instrument Panel Storage Compartment Location

The instrument panel storage compartment is located in the top of the instrument panel, above the air outlets. Pull the cover upward to open the storage compartment.

Small Storage Compartment



Small Storage Compartment Location

The small storage compartment is located in the lower instrument panel, under the steering wheel.

Cargo Area

Rear Cargo Shelf Panel

The rear cargo shelf panel attaches to guides in the rear cargo area. The rear cargo shelf panel is installed in the rear cargo area.

NOTE: The rear hatch can be opened or closed with the rear cargo shelf panel in its installed position.

⚠ WARNING!

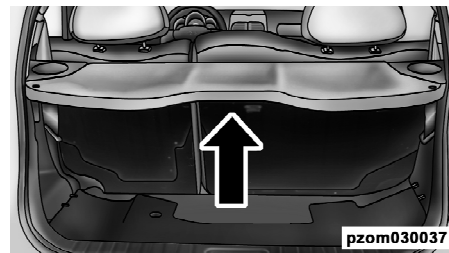
To avoid tipping, lock the cargo shelf securely in position.

Do not drive this vehicle with the rear hatch open.

Failure to follow these warnings could result in serious or fatal injury.

Rear Cargo Shelf Panel - Installed Position

Insert the front outboard corners of the cargo shelf panel into the hooks on the side panels and lock the cargo shelf panel into place.



Rear Cargo Shelf Installed Position

⚠ WARNING!

Do not load objects on the shelf in the installed position. In an accident, objects could strike occupants, causing serious or fatal injury.

⚠ WARNING!

In an accident, a loose cargo shelf panel in the vehicle could cause injury. It could fly around in a sudden stop and strike someone in the vehicle.

Do not store the cargo cover on the cargo floor or in the passenger compartment. Remove the cover from the vehicle when removed from its installed position. Do not store in the vehicle.

⚠ WARNING!

Always place cargo evenly on the cargo floor. Put heavier objects as low and as far forward as possible.

Place as much cargo as possible in front of the rear axle. Too much weight or improperly placed weight over or behind the rear axle can cause the rear of the vehicle to sway.

Do not pile luggage or cargo higher than the top of the seat back. This could impair visibility or become a dangerous projectile in a sudden stop or collision.

Reversing Sonar System

Reversing Sonar Operation

The reversing sonar system provides visible and audible indications of the distance between the rear bumper and the detected obstacle while the

vehicle is operating in reverse. The reversing sonar system is activated when the ignition switch is in the ON position and the vehicle is shifted into reverse. When the rear sonar sensors detect an obstacle within approximately 1.7 meters of the vehicle, the distance will be displayed by the reversing sonar display and viewed with the inside rear view mirror.

The following is a list of distance messages from the sonar display:

- **1.7 - 1.5 meters:** At this distance, the rear sonar system will display the distance to the object and flashing green lights will appear on the display. No beep is heard at this distance.
- **1.4 - 1.3 meters:** At this distance, the rear sonar system will display the distance to the object and solid green lights will appear on the display. Also, the system will sound a slow beep every 1/2 second to alert the driver of the approaching object.

- **1.2 - 1.1 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights will appear on the display. Also, the system will sound a slow beep every 1/2 second to alert the driver of the approaching object.
- **1.0 - 0.9 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights and 1 solid yellow light will appear on the display. Also, the system will sound a slow beep every 1/2 second to alert the driver of the approaching object.
- **0.8 - 0.7 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights and 2 solid yellow lights will appear on the display. Also, the system will sound a medium beep every 1/4 second to alert the driver of the approaching object.
- **0.6 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights and 3 solid yellow lights will appear on the display. Also, the system will sound a medium beep every 1/4 second to alert the driver of the approaching object.
- **0.5 - 0.4 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights, 3 yellow lights and 1 red light will appear on the display. Also, the system will sound a fast beep every 1/8 second to alert the driver of the object.
- **0.3 meters:** At this distance, the rear sonar system will display the distance to the object and 2 solid green lights, 3 solid yellow lights, and 2 flashing red lights will appear on the display. Also, the system will sound a fast beep every 1/8 second to alert the driver of the object.
- **P:** At this distance, the rear sonar system will display "P" indicating it is no longer safe to continue moving the vehicle. The display will show 2 solid green lights, 3 solid yellow lights, and 2 flashing red lights will appear on the display. Also, the system will sound a continuous beep alerting the driver to stop backing up.

⚠ WARNING!

The alarm will not sound if an obstacle is out of the sensing range.

When detecting several obstacles, the sensor only identifies the closest object.

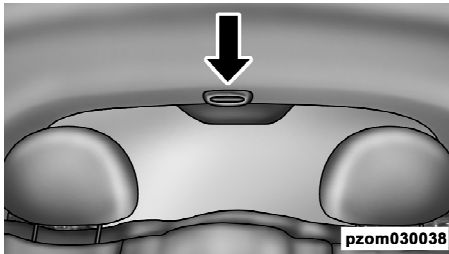
Even when using the reversing sonar system, always check carefully behind your vehicle, and be sure to check for pedestrians, animals, other vehicles, obstructions, or blind spots before backing up.

(Continued)

⚠ WARNING! (Continued)

You are responsible for the safety of your surroundings and must continue to pay attention while backing up. Failure to do so can result in serious injury or death.

Reversing Sonar Display



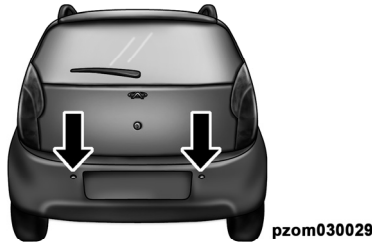
Reversing Sonar Display Location

The Reversing Sonar Display is located on the headliner near the rear center high mounted stop lamp. The driver can view the reversing display with the inside rear view mirror. When in reverse, the inside rear view mirror

displays the distance between the rear bumper and the detected obstacle.

The displayed distance changes in increments of 10 cm. (For example, the display would show the following distance readings starting at 1.7 → 1.6 → 1.5 → 1.4 → 1.3 → 1.2 etc. will be displayed on the reversing sonar display as the vehicle is backed into position).

Reversing Sonar Sensors



Reversing Sonar Sensor Location

The two reversing sonar sensors are located in the rear bumper. The sensors monitor the area behind the vehicle that is within the sensors' range. The sensors can detect obstacles and supply data for the reversing sonar system.

⚠ WARNING!

The reversing sonar system will not operate under the following conditions:

- Snow or mud covering the surface of sensors
- Ice covering the surface of sensors

52 – FEATURES OF YOUR VEHICLE

The following chart displays the reversing sonar operation when the sonar system detects an obstacle:

Distance From Obstacle (m)	Display Lights	Audible Warning
1.7	Flashing Green Lights	None
1.6	Flashing Green Lights	None
1.5	Flashing Green Lights	None
1.4	Solid Green Lights	Slow Beep
1.3	Solid Green Lights	Slow Beep
1.2	Solid Green Lights	Slow Beep
1.1	Solid Green Lights	Slow Beep
1.0	Solid Green & Yellow Lights	Slow Beep
0.9	Solid Green & Yellow Lights	Slow Beep
0.8	Solid Green & Yellow Lights	Medium Beep
0.7	Solid Green & Yellow Lights	Medium Beep
0.6	Solid Green & Yellow Lights	Medium Beep
0.5	Solid Green, Yellow & Red Lights	Fast Beep
0.4	Solid Green, Yellow & Red Lights	Fast Beep
0.3	Solid Green, Yellow & Flashing Red Lights	Fast Beep
P	Solid Green, Yellow & Flashing Red Lights	Continuous Beep

- Slow beep sounds at 1/2 second intervals
- Medium beep sounds at 1/4 second intervals
- Fast beep sounds at 1/8 second intervals

Undetectable Objects

The sonar sensors will not detect the following:

- Thin objects such as steel wire, rope, fence, etc.
- Obstacles such as small rocks, etc.
- Soft obstacles that easily absorb ultrasonic signals such as snow, cotton, padding, etc.

NOTE:

- The reversing sonar sensors only detect the object closest to it.
- Sensors might not detect vehicles that have high ground clearance.

- The sonar sensors will not work in temperatures below -30°C or above 80°C .

False Alarm Warnings

The alarm may inadvertently sound due to the following conditions:

- Your vehicle is equipped with a high-powered radio or antenna.
- When loud sounds are present, such as a horn of another vehicle, a loud motorcycle engine, or skidding/locking tires or brakes adjacent to the sonar sensor.
- Driving in slushy conditions like splashing snow or rain.

Cleaning The Reversing Sonar Sensors

WARNING!

Applying water under high-pressure to the sonar sensors, such as that from a high-pressure water gun, may damage the sonar sensors. The surface of the sonar sensors must never be pressed, squeezed or impacted.

Clean the reversing sonar system with water, car wash soap and a soft cloth. Do not use rough or hard cloths. Do not scratch or poke the sensors, otherwise the sensors could be damaged.

STARTING AND OPERATING YOUR VEHICLE

CONTENTS

▶ Starting and Operating	57	▶ EZ Drive - Automated Manual Transaxle (AMT) (If Equipped)	62	▶ Brake System	64
▷ Preparation Before Starting	57	▷ 5-Speed Automated Manual Transaxle (AMT)	62	▷ Parking Brake	64
▷ Normal Starting Procedure	57	▷ Gear Shifting	62	▷ Dual Circuit Brake System	65
▷ Failed Starting Procedure	58	▷ Instrument Cluster Display Screen	63	▷ Brake Booster	65
▷ After Starting	58	▷ Transaxle Warning Lamp	64	▷ Operating Cautions	65
▷ Starting and Operating Cautions	59	▷ "E" - Economy/Normal Shift Mode Switch	64	▶ Antilock Brake System (ABS)	66
▷ Hood Release	59			▷ Utilizing ABS Braking	66
▶ Manual Transaxle (If Equipped)	61			▷ ABS Self-Check	67
▷ 5-Speed Manual Transaxle	61			▶ Power Steering	67
▷ Shifting	61			▶ Driving Through Water	68
▷ Downshifting	62			▶ Driving In Slippery Conditions	68

56 – STARTING AND OPERATING YOUR VEHICLE

▶ Tires	69	▷ Spare Tire	71	▶ Fuel	72
▷ General Information	69	▷ Tread Wear	71	▷ General Information	72
▷ Tire Pressure	70	▷ Winter Tires	71	▷ Clean Air Gasoline	72
▷ Tire Rotation	70	▷ Replacement Tires	71	▷ Adding Fuel	72

Starting and Operating

Preparation Before Starting

Before starting your vehicle, adjust your seat, adjust the inside and outside mirrors, fasten your seat belt, and, if present, instruct all other occupants to buckle their seat belts. Make sure the headlamps and other electrical accessories are OFF.

If there is resistance when turning the ignition switch, try turning the steering wheel left and right until the ignition switch can be turned to the ON position. This resistance is probably due to any of the following reasons:

- The front wheel is touching the curb
- The steering wheel self-locks

WARNING!

Never leave children alone in a vehicle. Leaving children in a vehicle unattended is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Do not leave the key in the ignition. A child could operate power windows, other controls, or move the vehicle.

Manual Transaxle (If Equipped)

Before starting the engine, fully engage the parking brake, press the clutch pedal to the floor, and place the gear selector in NEUTRAL.

NOTE: The engine will not start until the clutch pedal is fully depressed.

EZ Drive - Automated Manual Transaxle (AMT) (If Equipped)

The EZ Drive transaxle can be started while it is in neutral or in gear.

CAUTION!

Always apply the parking brake before starting the vehicle.

Starting the engine with AMT transaxle in neutral

With the gear selector in NEUTRAL, turn the ignition switch to the START position until the engine starts. Release the switch when the engine starts.

Starting the engine with AMT transaxle in gear

With the transaxle in gear, press the brake pedal and turn the ignition switch to the START position until the engine starts. Release the switch when the engine starts.

Normal Starting Procedure

The following should be performed for normal starts:

- Turn the ignition switch to the START position without depressing the ac-

celerator pedal. Release the switch when the engine starts.

- The starter motor may need to remain engaged for up to 10 seconds in very cold conditions until the engine is started.

If the engine fails to start within 10 seconds, turn the ignition switch to the LOCK position, wait 10 to 15 seconds, then repeat the normal starting procedure. If the engine still doesn't start, see "Failed Starting Procedure".

Failed Starting Procedure

The following should be performed if the engine fails to start after two consecutive attempts:

- Press the accelerator pedal to the floor and hold it there.
- Turn the ignition switch to the START position and crank the engine till it starts.

- Once started, release the accelerator pedal slowly as the engine warms up.

CAUTION!

To prevent damage to the starter, do not crank the engine for more than 10 seconds at a time. Wait 10 to 15 seconds before trying again.

After Starting

The idle speed will automatically decrease as the engine warms up.

Self-Adapting Function Of Engine Control System

If the battery cable has been removed from the battery, the vehicle may run irregularly for a short time after the cable is reconnected. This is normal because the engine control system is readapting to the engine.

Limiting Engine Speed

To protect the engine from overspeed, the engine is electronically limited by the Engine Control Module (ECM).

WARNING!

Operating the engine at high speed may cause excessive heat in the exhaust system, resulting in overheating and vehicle fire, which may cause serious injuries or death.

Starting and Operating Cautions

Exhaust Gases

WARNING!

Engine exhaust gas can injure or kill. It contains carbon monoxide (CO) which is colorless and odorless. Breathing it can cause unconsciousness and even death. To avoid breathing CO, follow these safety tips:

- Do not run the engine in a closed garage or confined area any longer than needed before moving your vehicle from the area.
- If it is necessary to sit in a parked vehicle with the engine running in an open area, adjust your heating or cooling controls to force outside air into the vehicle. Set the blower at high speed.

(Continued)

WARNING! *(Continued)*

- If you are required to drive with the rear hatch open, make sure that all windows are closed and the climate control blower switch is set to high speed. DO NOT use the recirculation mode.

Turn Off Your Engine

Before turning off your engine, always allow the engine to resume normal idling speed and run for several seconds. This assures that the engine's temperature can fall gradually. This is particularly necessary after any period of hard driving.

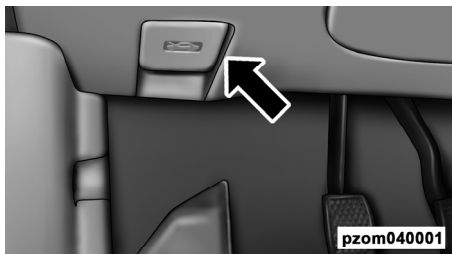
CAUTION!

The engine's temperature will remain high after you turn the engine off. After the engine is turned off, the vehicle's electric cooling fan will continue to run for approximately 60 seconds. Even if the cooling fan stops, it may run again suddenly because of the high temperature. Therefore, extra attention and caution must be given when working in the engine compartment.

Hood Release

The hood is held closed by primary and secondary latches. Both latches must be released to open the hood.

- Pull the hood release lever located on the lower driver side of the instrument panel.



Hood Release Lever

- Pull the secondary latch located under the front edge of the hood, near the center and raise the hood.



Secondary Latch Location

- Use the hood prop rod to secure the hood in the open position.
- Place the upper end of the prop rod in the hole on the left side of the engine compartment.

To prevent possible damage to the hood, observe the following:

- Before closing the hood, make sure to stow the prop rod in its proper location.
- Do not slam the hood to close it. Use a firm downward push at the center of the hood to ensure that both the primary and secondary latches engage.

CAUTION!

To prevent possible damage, do not slam the hood to close it. Lower the hood until it is open approximately 20 cm and then drop it. This should secure both latches. Never drive your vehicle unless the hood is fully closed, with both latches engaged.

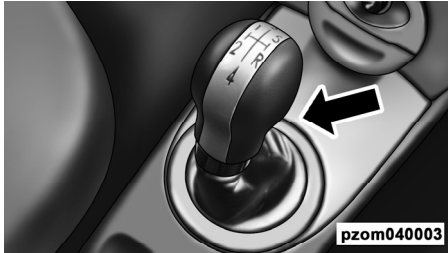
⚠ WARNING!

If the hood is not fully latched it could fly up when the vehicle is moving and block your forward vision. You could have a collision. Be sure all hood latches are fully latched before driving.

Manual Transaxle (If Equipped)

5-Speed Manual Transaxle

To utilize your manual transaxle efficiently for both fuel economy and performance, it should be upshifted as effectively as possible.



Manual Transaxle Shift Lever

NOTE: During cold weather, it is normal to experience increased effort in shifting until the transaxle fluid warms up.

CAUTION!

Never drive with your foot resting on the clutch pedal.

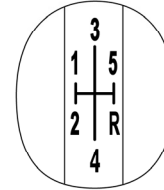
Never attempt to hold the vehicle on a hill with the clutch pedal partially engaged.

⚠ WARNING!

You or others could be injured if you leave the vehicle unattended without having the parking brake fully applied.

The parking brake should always be applied when the driver is not in the vehicle, especially on an incline.

Shifting



pzom040004

5-Speed Shift Pattern

- Always use 1st gear when starting from a standing position.
- Fully depress the clutch pedal before shifting gears. As you release the clutch pedal, lightly depress the accelerator pedal.
- Always use each gear in numerical order, do not skip a gear.
- Apply proper pressure to the shift lever while shifting. Proper pressure reduces the sliding and rubbing time of the synchronizer's lock ring and reduce friction.

- Do not press the shift lever when driving, extra pressure and stress will be placed on the shift fork.
- Shift to reverse gear only when the vehicle is stopped completely.
- Stop and inspect the vehicle if you hear abnormal sounds from the transaxle.

Downshifting

- When driving down steep hills, downshift to help preserve brakes.
- For better low speed acceleration, downshift when attempting to resume speed.
- To avoid over-speeding the engine and clutch, downshift progressively and do not skip gears.

⚠ WARNING!

Do not downshift for additional engine braking on a slippery surface. The drive wheels could lose their traction and the vehicle could skid.

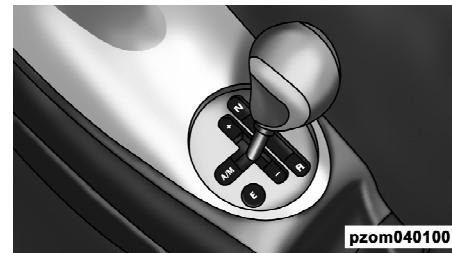
EZ Drive - Automated Manual Transaxle (AMT) (If Equipped)

5-Speed Automated Manual Transaxle (AMT)

The AMT is an electronically controlled transaxle providing precise shifting. The transaxle electronics are self-calibrating, therefore, the first few shifts on a new vehicle may be somewhat abrupt. This is a normal condition, and precision shifts will develop within a few kilometers. The transaxle system uses an electronically operated hydraulic unit coupled to the existing mechanical transaxle that automatically controls the clutch and gearshift operations. The transaxle can be switched

between a semi-automatic (manual) setting that allows the driver to change gears, and a full-automatic (automatic) setting that lets the transaxle system do the shifting.

Gear Shifting



Automated Manual Shift Lever "A/M" - Automatic/Manual Shift Mode Switch

The AMT transaxle can be switched from a semi-automatic (manual) shifting mode to a full-automatic (automatic) shifting mode. The transaxle mode can be switched by moving the transaxle shift lever to the "A/M" symbol located on the left side of the

shifter assembly. If the automatic shift mode is selected, "AUTO" will be displayed in the instrument cluster display. The transaxle will remain in the shift mode until the shift lever activates the A/M switch again. This will return the shift mode to the manual mode.

Automatic Shift Mode

The automatic shift mode allows the AMT system to automatically shift transaxle gears according to the vehicle speed, engine speed, throttle position and brake position. The system will provide automatic upshifts and downshifts to quickly accelerate to the desired speed. The system allows you to maximize engine braking, eliminate undesirable upshifts and downshifts, and improve overall vehicle performance.

Automatic Shift Operation

The automatic shift mode can be activated by moving the shift lever to the

full left position (A/M Switch). Moving the shift lever to the automatic position will cause the instrument cluster to display "AUTO". When in this position, drive the vehicle as you would drive a vehicle with an automatic transaxle. Just push the accelerator down, and the AMT system will shift by itself.

Manual Shift Mode

The manual shift mode allows you to maintain more control of the transaxle shift points. This mode can also provide you with more control while passing, city driving, slippery driving, mountain driving, and many other driving conditions.

Manual Shift Operation

The manual shift mode can be activated by moving the shift lever to the full left position (A/M Switch). Moving the shift lever to the (+) side will upshift the transaxle to the next higher gear. In the same manner, moving the

shift lever to the (-) side will downshift the transaxle to the next lower gear. After the manual shift mode is activated, the gear selected is displayed in the instrument cluster. Moving the shift lever to the (+) or (-) direction will cause an upshift or downshift by one gear.

NOTE: Downshifts in the manual shift mode are only allowed when the vehicle speed has slowed to the allowable range.

Instrument Cluster Display Screen

The following are the transaxle messages displayed on the Instrument Cluster Display:

- "AUTO" (Automatic mode)
- "N" (Neutral position)
- "1" (1st gear)
- "2" (2nd gear)
- "3" (3rd gear)
- "4" (4th gear)
- "5" (5th gear)

- "R" (Reverse gear)

NOTE: The instrument cluster will display "AUTO" when the transaxle is in the Automatic Mode. When the transaxle is in the Manual Mode, the cluster will not display this mode.

Transaxle Warning Lamp

The Transaxle Warning Lamp, located in the instrument cluster, will illuminate if any of the following conditions exist:

- Excessive gear shift requests
- Overheated clutch
- Damaged brake switch
- Gear shifting blocked due to system error

"E" - Economy/Normal Shift Mode Switch

Press the "E" switch on the shifter assembly to improve the vehicle economic efficiency. This function should only be used when operating in the

automatic shift mode. Press the "E" switch again to return back to the normal mode.

Brake System

Parking Brake

When the parking brake is applied with the ignition ON, the Brake Light in the instrument cluster will illuminate.

⚠ WARNING!

Always apply the parking brake fully when leaving your vehicle or it may roll and cause damage or injury. Also, be certain to leave the gear selector in the REVERSE or 1st gear position. Failure to do so may allow the vehicle to roll and cause damage or injury.

Be sure the parking brake is fully disengaged before driving, failure to do so can lead to brake problems due to excessive heating of the rear brakes.



Parking Brake Lever

To apply the parking brake, lift up on the parking brake lever until the resistance is moderate to high (about 7 clicks). Before leaving the vehicle, make sure that the parking brake is fully applied and the gear selector is in the REVERSE or 1st gear position.

To release the parking brake, slightly pull up the parking brake lever while pushing the release button on the end of the lever. Guide the lever downward to its stop. The brake warning light in the instrument cluster should go out.

NOTE: You should always apply the parking brake before leaving the vehicle.

Dual Circuit Brake System

Your vehicle is equipped with a diagonal dual circuit brake system. If one circuit fails, the other circuit can still work.

CAUTION!

If one brake circuit fails to work, you need to press the brake pedal much harder during braking. The braking distance will also increase. If this happens, take your vehicle to an authorized Chery dealer for repair.

Brake Booster

The brake booster provides added braking assist and is controlled by engine vacuum. The brake booster works only when the engine is operating.

CAUTION!

If the vehicle is being towed, the brake booster will not provide the normal braking assist. It will be necessary to press the brake pedal harder to compensate for the booster's loss of assist.

⚠ WARNING!

The brake booster is controlled by engine vacuum and works only when the engine is operating. Therefore, do not turn the engine off and coast while driving down hill.

Operating Cautions

Brake System

- If there is consistent noise or vibration being transferred to the steering wheel during braking, take your vehicle to an authorized Chery dealer for repair.
- New brake pads require a 200 km break-in period. During the first 200 km, higher pedal pressure will be required for adequate stopping.
- Brake pad wear depends greatly on the driving habits of the operator. For vehicles mainly used for city traffic, frequent starting and stopping will significantly shorten the life of the brake pads. It is necessary to take your vehicle to an authorized Chery dealer for regular maintenance and proper service.
- When driving down a steep grade hill, shift to a lower gear to make full use of the engine's braking action. This will reduce the load on the brake system.
- A damp brake rotor may reduce braking efficiency. After driving through water, driving in a rainstorm, or washing the vehicle, press the brake pedal lightly to dry the brakes and restore normal braking.

⚠ WARNING!

Keeping the brake pressed while driving – commonly known as “riding the brake” – can lead to brake failure and possibly an accident. Driving with your foot resting or “riding” on the brake pedal can result in abnormally high brake temperatures, excessive lining wear, and possible brake damage. This also deteriorates full braking capacity in case of an emergency stop.

Brake Fluid

Check the brake fluid level at regular intervals.

⚠ WARNING!

Add brake fluid to the brake fluid reservoir to maintain the “MAX” level. If a brake fluid leak is suspected, take your vehicle to an authorized Chery dealer for repair.

Antilock Brake System (ABS)

The ABS provides increased vehicle stability and braking performance under most braking conditions. The system automatically modulates brake pressure during severe braking conditions to prevent wheel lockup.

⚠ WARNING!

The ABS cannot prevent accidents, including those resulting from excessive speed in turns, following another vehicle too closely, or hydroplaning. Only a safe, attentive, and skillful driver can prevent accidents.

The capabilities of an ABS equipped vehicle must never be exploited in a reckless or dangerous manner, which could jeopardize your safety or the safety of others.

When the brake system goes into an antilock stop, you may also experience the following:

- The ABS motor running (it may continue to run for a short time after the stop)
- The clicking sound of the solenoid valves

NOTE: These are all normal characteristics of ABS.

Utilizing ABS Braking

Firmly pressing the brake pedal in an emergency stop may start the ABS immediately, which will allow you to properly control the vehicle.

⚠ WARNING!

Pumping of the antilock brakes will diminish their effectiveness and may lead to an accident. Pumping makes the stopping distance longer. Just press firmly on your brake pedal when you need to slow down or stop.

ABS Self-Check

When the engine is started, you may hear a slight clicking sound as well as some related motor noises. These noises are the ABS performing its self-check cycle to ensure that the system is working properly.

NOTE: If the ABS light comes on while driving, it indicates that the antilock portion of the brake system is not functioning and that service is required.

Power Steering

Power steering is standard equipment on this vehicle. The power steering system will give you good vehicle response and increased ease of maneuverability in tight spaces. The system will provide mechanical steering capability if power assist is lost.

If the power assist is interrupted, it will still be possible to steer your vehicle. Under these conditions, you will feel a substantial increase in steering effort, especially at very low vehicle speeds and during parking maneuvers.

NOTE: Review the following to avoid damaging the power steering system:

- Prolonged or excessive turns of the steering wheel can increase the steering fluid temperature. This should be avoided when possible as damage to the power steering pump may occur.

- Fill the power steering fluid reservoir once its level is under the "MIN" mark on the reservoir. Do not drive the vehicle with the fluid level below "MIN".

⚠ WARNING!

Continued operation with reduced power steering assist could pose a safety risk to yourself and others.

Check the following if the vehicle is experiencing steering difficulty:

- Check power steering system for fluid leaks
- Tires are properly inflated
- Tires are wearing evenly
- Loose or worn suspension components
- Loose or worn steering components
- Proper wheel alignment

Driving Through Water

Drive carefully and slowly when going through water more than a few inches deep.

CAUTION!

The following guidelines apply to driving through water:

- Never drive through standing water that is deeper than the bottom of your vehicle's tire rims.
- Water inside your vehicle's engine can cause it to lockup, stall, or cause serious internal damage.
- Vehicle traction and braking performance will decrease while driving through water.

(Continued)

CAUTION! *(Continued)*

- Driving through water may cause damage to your vehicle's drivetrain components. Always inspect your vehicle's fluids (e.g., engine oil, trans-axle oil, etc.) for signs of contamination (e.g., fluid that is milky or foamy in appearance) after driving through water. Do not continue to operate the vehicle if any fluid appears contaminated as this may result in further damage.

⚠ WARNING!

Driving through water limits your vehicle's braking performance, which increases brake distances. After driving through water, drive slowly and lightly press on the brake pedal several times to dry the brakes.

(Continued)

⚠ WARNING! *(Continued)*

Getting water inside your vehicle's engine can cause it to lockup, stall, and leave you stranded.

Failure to follow these warnings may result in serious injuries or death for you, your passengers, and others around your vehicle.

Driving In Slippery Conditions

Rapid acceleration on snow covered, wet, or other slippery surfaces may cause the front wheels to pull erratically to the right or left. This phenomenon occurs when there is a difference in the surface traction under the front (driving) wheels.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tire and road surface. This is hydroplaning and may cause partial or complete loss of vehicle control and stopping ability. To

reduce this possibility, the following precautions should be observed:

- Slow down during rainstorms or when roads are slushy.
- Slow down if the road has standing water or puddles.
- Replace the tires when tread wear indicators first become visible.
- Keep the tires properly inflated.
- Maintain a safe following distance to avoid a collision in a sudden stop.

Tires

General Information

Tires are designed and engineered for each specific vehicle. They provide the best overall performance for normal operation. The ride and handling characteristics match the vehicle's requirements. With proper care they will give excellent reliability, traction, skid resistance, and tread life.

Tire Life

The service life of a tire is dependent upon varying factors including but not limited to:

- Driving style
- Tire pressure
- Distance driven

WARNING!

Tires and spare tire should be replaced after six years, regardless of the remaining tread. Failure to follow this warning can result in sudden tire failure. You could lose control and have an accident resulting in serious injury or death.

Tire Loading

The vehicle maximum load must not exceed the load carrying capacity of the tires on your vehicle. You will not exceed the tire's load carrying capacity if you adhere to the loading conditions, tire size, and cold tire inflation

pressures specified on the Tire and Loading Information placard and in the "Vehicle Loading" section of this manual.

Alignment and Balance

Improper alignment may result in:

- Excessive tire wear
- Uneven tire wear (feathering and one sided wear)
- Vehicle directional pull (left or right)

Tires may also cause the vehicle to pull left or right. Alignment will not correct this problem. Take your vehicle to an authorized Chery dealer for repair.

Tire Chains

Tire chains are used during heavy snow and winter conditions and can only be used on the drive wheels.

⚠ WARNING!

Vehicle speed must not exceed 50 km/h when using tire chains.

If equipped with wheel covers, they should be removed before installing tire chains. The wheel covers should be reinstalled once the tire chains have been removed.

Tire Pressure

The proper tire inflation pressure is listed on a placard either on the face of the driver's door or on the driver's side door jam. Proper tire inflation pressure is essential to the safe and satisfactory operation of your vehicle.

Three primary areas are affected by improper tire pressure:

Safety

- Improperly inflated tires are dangerous and can cause accidents.
- Under-inflation increases tire flexing and can result in tire failure.

- Over-inflation reduces a tire's ability to cushion shock.
- Unequal tire pressure can cause steering problems.
- Objects on the road and chuckholes can cause damage that results in tire failure.

Ride Comfort and Vehicle Stability

- Proper tire inflation contributes to a comfortable ride.
- Over-inflation produces a jarring and uncomfortable ride.

Economy

- Improper inflation pressure can cause uneven wear patterns to develop across the tire tread. These abnormal wear patterns will reduce tread life, resulting in a need for early tire replacement.
- Under inflation, also increases tire rolling resistance and results in higher fuel consumption.

Tire Pressure (Cold Tire) (kPa)

Tire Pressure Chart	Front Tires	Rear Tires	Spare Tire
Summer Pressure	220	220	250
Winter Pressure	240	240	250

NOTE:

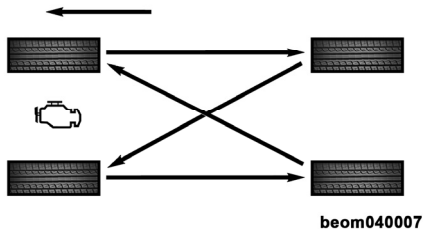
- At least once a month, check and adjust the tire pressure. Also, inspect the tires for signs of wear or visible damage.
- Check the tire pressure more often if the tires are subjected to a wide range of outdoor temperatures, as tire pressure varies with temperature changes.

Tire Rotation

Tires on the front and rear axles of a vehicle operate at different loads and perform different steering, driving, and braking functions. For these reasons, they wear at unequal rates and tend to develop irregular wear pat-

terns. These effects can be reduced by timely rotation of tires. The benefits of rotation are especially worthwhile with aggressive tread designs such as those on all-season tires. Rotation will increase tread life, help to maintain mud, snow and wet traction levels, and contribute to a smooth, quiet ride. See "Proper Maintenance Of Your Vehicle" for suggested rotation intervals.

NOTE: Tire rotation should be performed every 8,000 km - 10,000 km.



Tire Rotation Direction

Spare Tire

The spare tire is a conventional full size tire that can be used for regular driving conditions.

Tread Wear

Tire treads should be checked periodically for any shearing or uneven abrasions. The uneven abrasion of tread indicates a possible incorrect wheel alignment. There are laws regarding tread abrasion depth. Abrasion bands will appear when the tread depth becomes 3 mm. When the tread depth reaches this point the tire must be replaced.



Tread Abrasion Bands

NOTE: Abide by the local environmental protection provisions for the disposal of worn tires.

Winter Tires

Once driving conditions permit, replace winter tires with summer tires to reduce fuel consumption and lower the level of road noise.

Replacement Tires

The tires on your new vehicle provide a balance of many characteristics. When replacing the tires, Chery strongly recommends that you use tires equivalent to the originals in size, quality and performance.

⚠ WARNING!

Do not use a tire, wheel size, or rating other than that specified for your vehicle. Combinations of unapproved tires and wheels may change suspension dimensions and performance characteristics, resulting in changes to steering, handling, and braking of your vehicle. This can cause unpredictable handling and stress to steering and suspension components. You could lose control and have an accident resulting in serious injury or death. Use only the tire and wheel sizes with load ratings approved for your vehicle.

NOTE: Replacing original tires with tires of a different size may result in false speedometer and odometer readings.

It is strongly recommended to use Original Equipment Manufacturer (OEM) tires, or refer to an authorized Chery dealer for recommendations when replacing the tires.

Fuel**General Information**

Your vehicle is designed to meet all emission regulations and provide excellent fuel economy when using high quality unleaded gasoline with a minimum research octane rating of 93. The vehicle will operate on fuels ranging from regular unleaded having a minimum research octane of 93 to premium unleaded with a minimum research octane of 98.

Besides using unleaded gasoline with the proper octane rating, gasoline that contains detergents, corrosion and stability additives are recommended. Using gasoline that has these additives may help improve fuel economy, reduce emissions, and maintain vehicle performance.

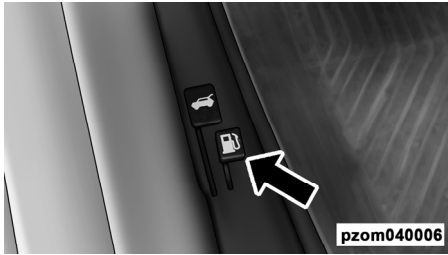
Poor quality gasoline can cause problems such as hard starting, stalling, and run-on. If you experience these problems after refueling, try another brand of gasoline before considering service for the vehicle.

Clean Air Gasoline

Many fuels are now being blended that contribute to cleaner air, especially in those areas where air pollution levels are high. These new blends, sometimes referred to as “reformulated gasoline,” provide a cleaner burning fuel.

Adding Fuel**Fuel Filler Door Release**

The fuel filler door can be opened by pulling the fuel filler door release lever on the side of the driver seat.



Fuel Filler Door Release Lever

Fuel Filler Cap

The fuel cap is located on the passenger side of the vehicle. If the fuel cap is lost or damaged, be sure the replacement cap is designed for this vehicle.



Fuel Filler Cap

NOTE: Damage to the fuel system or emission control system could result from using an improper fuel cap. A poor fitting fuel cap could allow impurities into the fuel system.

Refueling Instructions

Observe the following instructions when refueling:

- Turn the engine off.
- Open the fuel filler door by pulling the fuel filler door release lever.
- Remove the fuel cap by rotating the fuel cap to the left.
- Insert the fuel nozzle to fill the tank. When the fuel nozzle "clicks" or shuts off, the fuel tank is full.
- Reinstall the fuel cap by inserting it into the filler neck and rotating the fuel cap to the right.
- If your vehicle is equipped with a fuel cap that has a tether strap make sure the tether strap is not caught under the fuel cap.

NOTE: To avoid fuel spillage and overfilling, do not "top off" the fuel tank after filling.

⚠ WARNING!

Observe the following guidelines when refueling:

- **Remove the fuel cap (gas cap) slowly to prevent fuel spray from the filler neck which may cause injury.**
- **Never have any smoking materials lit in or near the vehicle when the fuel cap is removed or the tank filled.**
- **Never add fuel to the vehicle when the engine is running.**

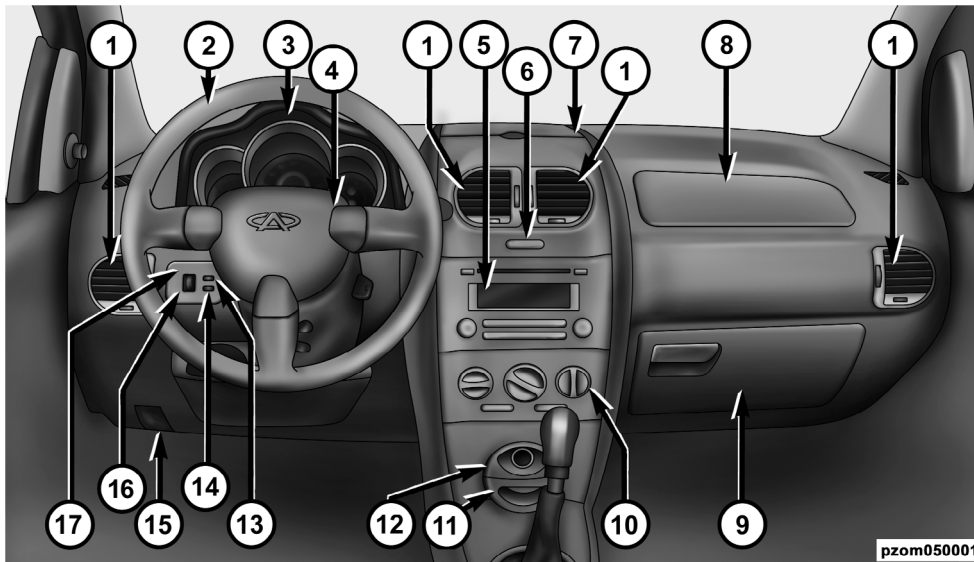
YOUR INSTRUMENT PANEL

CONTENTS

▶ Instrument Panel Features	76	▶ Audio System	83	▶ Climate Control	89
▷ LHD Instrument Panel	76	▷ General Information	83	▷ General Information	89
▷ RHD Instrument Panel	77	▷ Radio Faceplate	84	▷ Air Conditioning and Heating System	89
▶ Instrument Cluster	78	▷ Radio Faceplate Description	85	▶ Rear Window Defroster	91
▷ Instrument Cluster Functions	79	▷ Clock Setting	86	▷ Rear Window Defroster Switch	91
		▷ Radio Operation	86		
		▷ CD/MP3 Player Operation	88		

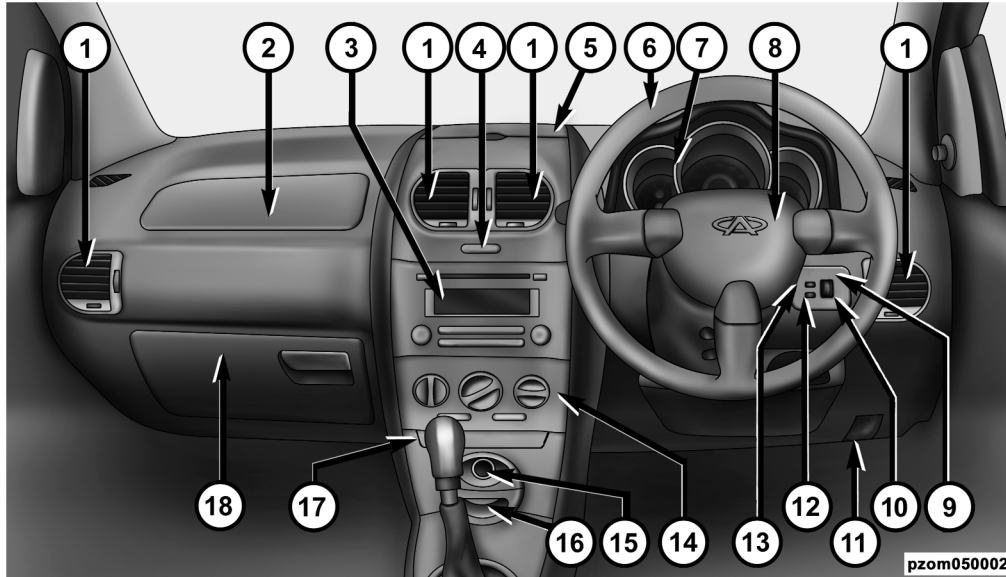
Instrument Panel Features

LHD Instrument Panel



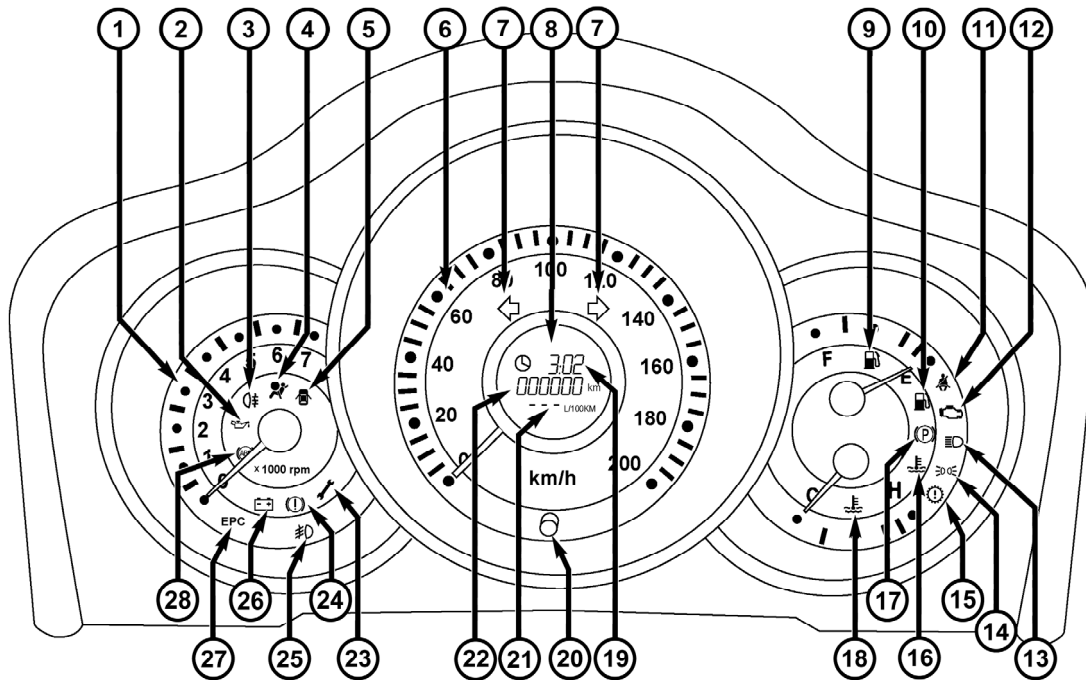
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|------------------------|-----------------------------------|----------------------------|--------------------------------|----------------------------|
| 1 - Air Outlet | 5 - Radio | 9 - Glove Box | 13 - Dimmer Control Switch | 17 - Rear Fog Light Switch |
| 2 - Steering Wheel | 6 - Hazard Warning Flasher Switch | 10 - Climate Control Panel | 14 - Headlight Leveling Switch | |
| 3 - Instrument Cluster | 7 - Instrument Panel Storage | 11 - Front Ashtray | 15 - Hood Release Lever | |
| 4 - Driver Side Airbag | 8 - Passenger Side Airbag | 12 - Cigarette Lighter | 16 - Front Fog Light Switch | |

RHD Instrument Panel



- | | | | | |
|-----------------------------------|------------------------------|-----------------------------|--------------------------------|-----------------------|
| 1 - Air Outlet | 5 - Instrument Panel Storage | 9 - Rear Fog Light Switch | 13 - Headlight Leveling Switch | 17 - Front Cupholders |
| 2 - Passenger Side Airbag | 6 - Steering Wheel | 10 - Front Fog Light Switch | 14 - Climate Control Panel | 18 - Glove Box |
| 3 - Radio | 7 - Instrument Cluster | 11 - Hood Release Lever | 15 - Cigarette Lighter | |
| 4 - Hazard Warning Flasher Switch | 8 - Driver Side Airbag | 12 - Dimmer Control Switch | 16 - Front Ashtray | |

Instrument Cluster



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Instrument Cluster Functions

1. Tachometer

The blue area of the scale shows the permissible engine revolutions-per-minute (RPM x 1000) for each gear range. Before the tachometer reaches the red area, ease up on the accelerator to prevent engine damage.

2. Oil Pressure Light



This light shows low engine oil pressure. The light will turn on and remain on for several seconds when the ignition switch is turned from the LOCK or ACC position to the ON position. The light will turn off after the engine is started. If the light does not turn on during starting, have the system checked by an authorized Chery dealer. If the light turns on and remains on while driving, safely bring the vehicle to a stop and shut the engine off. Check the engine oil level and verify it is in the proper operating

range. If the oil pressure light remains on, have the vehicle towed to an authorized Chery dealer.

3. Rear Fog Light Indicator Light



This light illuminates when the rear fog lights are ON.

4. Airbag Light



This light illuminates for three to four seconds as a bulb check when the ignition switch is first turned ON. If the light does not illuminate during starting, stays on, or turns on while driving, have the system checked by an authorized Chery dealer.

5. Door Open Warning Display



When the ignition switch is ON, this display indicates the condition of the vehicle's four doors and rear hatch.

6. Speedometer

The Speedometer indicates vehicle speed in kilometers per hour (km/h).

NOTE: Use the tires designated for your vehicle. Otherwise the speedometer will not indicate the correct vehicle speed.

7. Turn Signal Indicator Light



The left or right arrow will flash in unison with the corresponding front and rear turn signal lights when the turn signal switch is operated. Refer to "Lights" in Chapter 3 of this manual for more information.

8. Automated Manual Transaxle Range Indicator (If Equipped)

This display is only available if the vehicle is equipped with the Automated Manual Transaxle (AMT). The display indicator shows the automated manual transaxle gear selection.

9. Fuel Gauge

The fuel gauge indicates the amount of fuel the vehicle has in the fuel tank.

NOTE: When the ignition switch is turned to OFF, the fuel and temperature gauges may not show accurate readings. When the engine is not running, turn the ignition switch to the ON position to obtain accurate readings.

10. Low Fuel Warning Light



This indicator lights when the fuel level drops to no more than 10 liters. The fuel gauge pointer will be in the red area. When this indicator lights, you should fill the fuel tank as soon as possible.

11. Seat Belt Reminder Light



This light will illuminate for about six seconds when the ignition switch is first turned ON. If you have not pulled the shoulder belt out of the retractor,

this light will turn on. This is a reminder to buckle your seat belt. This light will remain on until you buckle your seat belt.

12. Malfunction Indicator Light



This light is part of an On-board Diagnostic System (OBD) that monitors vehicle emissions and engine control systems. The light will illuminate when the key is in the ON position before the engine starts. If the light does not illuminate when turning the key ON, have the condition checked promptly. If the Malfunction Indicator Light turns on when the engine is running, the vehicle should be serviced as soon as possible.

13. High Beam Indicator Light



This light shows that the headlights are on high beam. Push the Multifunction switch lever away from

you to switch the headlights to high beam. Pull the lever toward you, to switch the headlights back to low beam.

14. Position Light Indicator Light



This light illuminates when the parking lights or headlights are turned ON.

15. Transaxle Warning Light (If Equipped)



This light is only available if the vehicle is equipped with EZ Drive, the Automated Manual Transaxle (AMT) system. The light will illuminate when the key is in the ON position, before the engine is started. If the light does not illuminate when turning the key ON, have the condition checked promptly. The Transaxle Warning Light will illuminate if a problem is detected in the AMT system. If the Transaxle Warning

Light turns ON during vehicle operation, take your vehicle to an authorized Chery dealer for service.

16. Coolant Temperature Warning Light



This light warns of an overheated engine condition. If the engine is critically hot, the instrument cluster will sound a chime. After the chime turns off, the engine will still be critically hot until the light goes out.

17. Parking Brake System Warning Light



The Parking Brake Warning Light will illuminate and stay on briefly as a bulb check when the ignition is first turned on. This indicator lights when the parking brake is operated.

18. Coolant Temperature Gauge

The coolant temperature gauge shows engine coolant temperature. Any

reading within the normal range indicates that the engine cooling system is operating properly. The pointer may show a higher than normal temperature when driving in hot weather, up mountain grades, in heavy stop-and-go traffic, or when towing a trailer. The instrument cluster will sound a chime when the pointer rises to the "H" (red) mark. If this occurs, safely pull over and stop the vehicle. Then idle the vehicle with the air conditioner turned off until the pointer drops back into the normal range. If the pointer remains on the "H" (red) mark, turn the engine off immediately and call for service.

19. Digital Clock/Trip Odometer Display

Digital Clock - The digital clock display indicator shows the time.

Trip Odometer - The trip odometer shows individual trip mileage since the trip odometer was last set to zero.

20. Digital Clock/Trip Odometer Button

Digital Clock - Press and hold the button for a few seconds to adjust the clock. Adjust both the hour and the minutes through this button.

Trip Odometer - Press and release this button to change the display from digital clock to trip odometer. Press and release the button again to change the display back to the digital clock. To reset the trip odometer, first set the display to Trip Mode. Then push and hold the button until the display resets to 0. The odometer must be in Trip Mode to reset the trip odometer.

21. Fuel Consumption

The fuel consumption display shows the fuel consumption in liters per 100 Kilometers (L/100 Km).

22. Odometer

The odometer shows the total distance the vehicle has been driven.

23. Maintenance Indicator Light



Every 5,000 km this warning light will illuminate as a reminder that the vehicle should be returned to your authorized Chery dealer for maintenance.

24. Brake System Warning Light



This light monitors various brake functions, including brake fluid level and brake application. If the light illuminates it may indicate that the brake fluid level is low or that there is a problem with the brake system. When this light is on, you should check whether the brake fluid level is too low. If the brake fluid level is too low, you should fill the brake fluid immediately to the level between "MIN" and "MAX". Have the system checked by an authorized Chery dealer. The dual brake system provides a reserve braking capacity in the event of a failure to

a portion of the hydraulic system. Failure of either half of the dual brake system is indicated by the Brake Warning Light, which will turn on when the brake fluid level in the brake fluid reservoir has dropped below a specified level. The light will remain on until the cause is corrected.

⚠ WARNING!

Driving a vehicle with an illuminated brake system warning light and an anti-lock warning light is dangerous. Part of the brake system may have failed. It will take longer to stop the vehicle. You could have an accident. Have the vehicle checked immediately.

25. Front Fog Light Indicator Light



This light illuminates when the front fog lights are ON.

26. Charging System Light



This light shows the status of the electrical charging system. The light should illuminate when the ignition switch is first turned ON and remain on briefly as a bulb check. If the light remains on or turns on while driving, turn off some of the vehicle's electrical devices, such as the fog lights or rear defroster. If the light remains on, it indicates that the charging system is experiencing a problem. See your authorized Chery dealer for service immediately.

27. Electronic Pedal Control Indicator Light



This light will turn on briefly as a self-check when the ignition switch is turned ON. This light informs you of a problem with the Electronic Throttle Control system. When a problem is detected, the light will illuminate

while the engine is running. If the light turns on while the engine is running, safely bring the vehicle to a complete stop as soon as possible, place the shift lever in NEUTRAL, and cycle the ignition key. The light should turn off. If the light remains lit with the engine running, your vehicle will usually be drivable. Nonetheless, see your authorized Chery dealer for service as soon as possible.

28. Anti-Lock Brake Warning Light (ABS)



This light monitors the Anti-Lock Brake System (ABS). The light will turn on when the ignition switch is turned to the ON position and may stay on for several seconds. During this time, the ABS is performing its self-check cycle to ensure that the system is working properly. If the light remains on or turns on while driving, it indicates that

the Anti-Lock portion of the brake system is not functioning and that service is required. However, the conventional brake system will continue to operate normally, provided the BRAKE warning light is not on. If the ABS light is on, the brake system should be serviced as soon as possible to restore the benefit of Anti-Lock brakes. Refer to “Brake System” in Chapter 4 of this manual for more information.

Audio System

General Information

The radio will provide excellent reception under most operating conditions. However, like any system, radios have performance limitations. To help you understand and avoid concern about these possible malfunctions, you must understand how radio signals are transmitted and received.

Radio Signals

There are two basic types of radio signals:

- AM (Amplitude Modulation), in which the transmitted sound causes the amplitude, or height of the radio waves to vary.
- FM (Frequency Modulation), in which the frequency of the wave is varied to carry the sound.

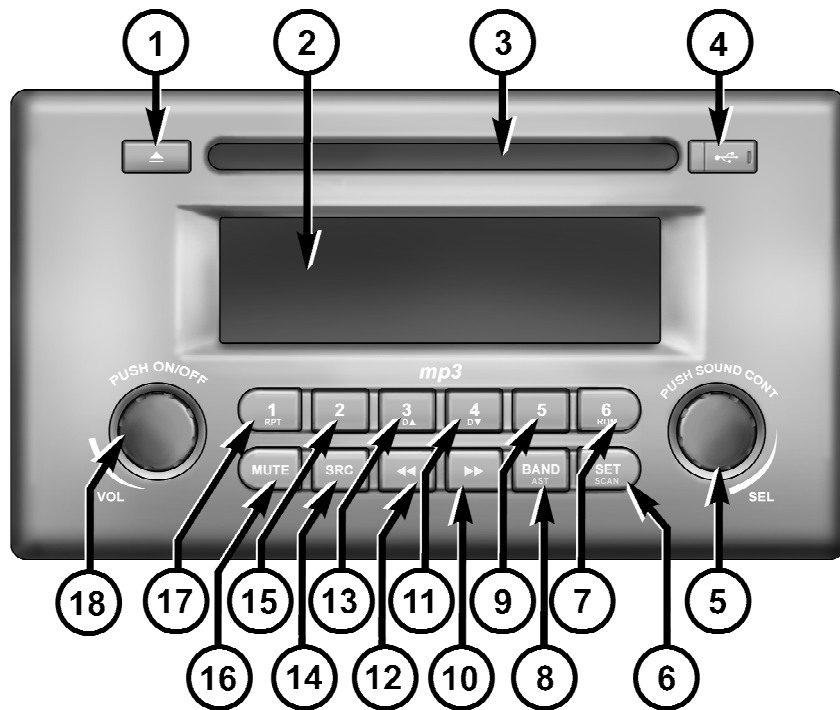
AM Reception

AM sound is based on wave amplitude, so AM reception can be disrupted by such things as lightning, power lines and neon signs.

FM Reception

Because FM transmission is based on frequency variations, interference that consists of amplitude variations can be filtered out, leaving the reception relatively clear, which is the major feature of FM radio.

Radio Faceplate



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Radio Faceplate Description

1. Eject CD	2. LCD Display	3. CD Opening	4. USB Connector
5. Push Sound CONT/SEL - Audio Setting	6. SET/SCAN <ul style="list-style-type: none"> • SET - Enter / Exit Setup Mode • SCAN - Tuner's Frequency Scan (tuner) / CD/MP3 Disc Stack Scan (CD/MP3 Player) 	7. Preset Button 6 (Tuner) / RDM - CD/MP3 Random Track ON/OFF	8. BAND/AST <ul style="list-style-type: none"> • BAND - FM/AM Play Mode • AST - Auto Store
9. Preset Button 5 (Tuner)	10. Search For Higher Frequency (Tuner) / Fast Forward / Resume (CD/MP3 Player)/ Next Track Player Mode	11. Preset Button 4 (Tuner) / Select Next Track (MP3/USB Player Mode)	12. Search For Lower Frequency (Tuner) / Fast Rewind / Resume (CD/MP3 Player) / Previous Track Player Mode
13. Preset Button 3 (Tuner) / Select Previous Track (MP3/USB Player Mode)	14. SRC - CD/MP3 Disc / USB Player Mode	15. Preset Button 2 (Tuner)	16. MUTE - Set Mute
17. Preset Button 1 (Tuner) / RPT - CD/MP3 Repeat Track ON/OFF	18. PUSH ON/OFF - Power/Volume Knob		

Clock Setting

- Press SET button to enter the SET UP menu.
- Press PUSH SOUND CONT button until you reach the option TIME.
- Turn the PUSH SOUND CONT button to alter the 12H or 24H.
- Press PUSH SOUND CONT button to select hour digit.



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Clock Setting

- Turn the PUSH SOUND CONT button to adjust the hour digit.
- Press PUSH SOUND CONT button to select the minute digit.

- Turn the PUSH SOUND CONT button to adjust the minute digit.
- Press SET button to exit the SET UP menu.

10 seconds after any key operation, the display will always show the time when the clock mode is activated.

Radio Operation

ON/OFF

Press the PUSH ON/OFF / Volume Knob to turn the radio ON or OFF.

Volume

Turn the PUSH ON/OFF / Volume Knob to adjust the volume. To increase volume, turn the knob clockwise. Turn it counterclockwise to decrease volume.

NOTE: Always set the radio volume at a level that still allows you to hear audible traffic warnings (horns, sirens, etc.).

Audio Setting

Press SEL button to enter the audio setting mode. Turn the PUSH ON/OFF / Volume Knob to select the desired audio setting option.

- BASS – To increase or decrease bass
- TREBLE – To increase or decrease treble
- BAL – To move the sound to the right or left speaker, or balance the sound between the speakers
- FADER – To move the sound to the front or rear speakers, or balance the sound between the speakers
- LOUD (off, low, mid, high)
- Sound Style – Preset settings for JAZZ, VOCAL, POP, CLASSIC, or ROCK

After five seconds, the display returns to the last mode of operation.

NOTE: You can only adjust the "BAL", "FADER" and "LOUD" audio mode if not in the "BAL - TRE" mode.

Waveband

Press the BAND button to select the desired band: FM1 → FM2 → FM3 → AM1 → AM2

Frequency Scan (SCAN)

Press SCAN button to activate/deactivate Frequency Scan. Frequency scan allows you to listen to each station found on the current band for approximately 5 seconds.

Auto Search

- Press the forward button to tune to a station of a higher frequency or press the rewind button to tune to a lower frequency station.
- To search for another station, press the forward or rewind button again.

Frequency Sensitive (Only On FM Band)

To switch between local/distance tuning mode, perform the following procedure.

- Press SET button to enter the SET UP menu.
- Turn the PUSH SOUND CONT button to select the SRCH option.
- Press SET button to set LO/DX.
- Press SET button for more than 2 seconds to exit the SET UP menu.

Manual Tuning

To switch to manual tuning mode, perform the following procedure.

- Press SET button to enter the SET UP menu.
- Turn the PUSH SOUND CONT button to select the TUN option that you want to change.
- Press SET button to enter the SET UP menu.
- Set the selector to "MAN", this will maintain the manual tuning mode until you set the radio back to "AUTO".
- Press the SET button for more than 2 seconds to exit the SET UP menu.

- Press the Rewind button or turn the PUSH SOUND CONT button counter-clockwise to tune to a lower frequency station.
- Press the Forward button or turn the PUSH SOUND CONT button clockwise to tune to a higher frequency station.

Automatically Storing Stations

You can automatically store 6 of the strongest FM stations on the FM AST band or 6 of the strongest AM stations on the AM AST band. When you use auto store, the new stations replace any stations previously stored in the FM AST band or the AM AST band.

To automatically store a station to memory, perform the following procedures:

- Press AST button on the radio faceplate to activate auto-store.
- When pressed, the radio gives a "beep" and then mutes the sound, and the display will blink.

- When the radio has finished, you will hear a "beep" followed by the station stored on preset 1-6, and the display will stop blinking.
- Due to weak signals in some areas, it may not be possible to find 6 stations.

Preset Stations (1-6)

Six stations per band can be stored and recalled using the preset buttons (1 to 6).

- Tune in to the desired station.
- Press the desired preset button (1 to 6) for more than 2 seconds (until you hear a "beep") to store the current station.

CD/MP3 Player Operation

CD/MP3 Play

Press SRC button to set CD/MP3 player mode.

Display shows:

- Audio mode (if selected)

- CD/MP3 playing symbol
- Current track being played and playing time.

Scan Track

The scan function enables you to listen to the first 5 seconds of each track.

- Press SCAN button to activate Scan Track.
- Press SCAN button again to deactivate Scan Track.

Previous / Next Track

- Press the Rewind or Forward button to select the next / previous track.
- CD player resumes the play mode after the selection is completed.

Fast Rewind / Forward

- Press the Rewind or Forward button more than 2 seconds to quickly move rewind or forward through the CD.
- Press the Rewind or Forward button again to return to CD play mode.

Random Track Play

- Press the RDM button to enter random track play mode.
- Press the RDM button again to exit the random track play mode.

Repeat Track Play

- Press the RPT button to enter repeat current track play mode.
- Press the RPT button again to exit the repeat track play mode.

MP3 Track Player Selection

- Press the Next/Previous Track button to select the next/previous track play mode.

Ejecting CD

Press the eject button to remove the CD from the radio.

Maintenance for CD

- Avoid leaving fingerprints on the CD when handling.

- Return the CD to its case immediately after ejecting it, to protect the CD from dirt and dust.
- Do not expose the CD to heat or direct sunlight.

Climate Control

General Information

The air conditioning and heating system is designed to provide comfort in all types of weather.

The air conditioner will absorb moisture in the air and collect on the evaporator. This moisture then drains out of the evaporator under the vehicle.

NOTE: While parked, a small puddle of water gathered under the vehicle while operating the air conditioning is considered normal.

Air Conditioning System Performance

If your air conditioning performance seems inadequate, check the front of the A/C condenser located in front of the radiator for an accumulation of dirt or insects. Clean with a gentle water spray from behind the radiator and through the condenser.

NOTE: Front fascia protectors may reduce airflow to the condenser, reducing air conditioning performance.

For best air conditioner performance, select the recirculation mode while operating the air conditioning system.

NOTE: Continuous use of the recirculation mode may cause the inside air to become stuffy and window fogging may occur. Extended use of this mode is not recommended.

Heater System Performance

Heater performance is dependant on the temperature of the engine coolant.

Therefore, the vehicle must be at proper operating temperature before the heating system will operate to its full potential.

Air Conditioning and Heating System



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Temperature Control Panel

The air conditioning and heating system allows you to select the following:

- Blower motor speed (controls four speeds)
- Discharge air temperature (temperature blend)
- Discharge air direction (panel, level, floor, mix, defrost)

- A/C compressor operation (controls ON/OFF function)
- Air inlet source (outside air/recirculated air)

Temperature Control



pzom050007

Use the temperature control to regulate the temperature of the air inside the passenger compartment. The blue area of the scale indicates cooler temperatures; the red area indicates warmer temperatures.

Blower Control



pzom050008

Use the blower control to regulate the amount of air forced through the ventilation system in any mode. The blower speed increases as the blower control knob is moved to

the right from the OFF position. There are four blower speeds.

Mode Control (Air Direction)



pzom050009

Use the mode control to choose from several patterns of air distribution.

Panel



Airflow is directed through the outlets in the instrument panel. These outlets can be adjusted to direct airflow.

Bi-Level



Airflow is directed through the instrument panel and floor outlets.

Floor



Airflow is directed through the floor outlets with a small amount flowing through the defrost and side window defog outlets.

Mix



Airflow is directed through the floor, defrost, and side window defog outlets. This setting works best in cold or snowy conditions that require extra heat to the windshield. This setting is good for maintaining comfort while reducing moisture on the windshield.

Defrost



Airflow is directed through the outlets for the windshield and side window defrosters. Use this mode with maximum blower and temperature settings for best windshield and side window defrosting.

Air Conditioning Control Switch



pzom050010

Press the air conditioner control switch to turn on the air conditioner. When the air conditioner is turned on, cool dehumidified air will flow through the outlets selected with the Mode control switch. An LED in the switch illuminates when the air conditioner control switch is activated.

Recirculation Control Switch



pzom050011

Press the recirculation control switch to recirculate the air inside the vehicle. Use the recirculation mode to rapidly cool the inside of the vehicle. The recirculation mode can also be used to temporarily block outside odors, smoke, and dust, or

when high humidity is present. Activating recirculation will cause the LED in the recirculation control switch to illuminate.

Rear Window Defroster

Rear Window Defroster Switch



pzom050012

The rear window defroster switch is located on the climate control panel. Press the rear window defroster switch to activate the rear window defroster. An indicator in the switch will illuminate when the rear window defroster is on. The rear window defroster automatically turns off after several minutes. Press the switch a second time to deactivate the rear window defroster.

CAUTION!

Use the following care for the rear window:

- Do not use abrasive window cleaners on the interior surface of the window.
- Use a soft cloth and a mild washing solution, wiping parallel to the heating elements.
- Only peel labels off after soaking with warm water.
- Do not use scrapers, sharp instruments, or abrasive window cleaners on the interior surface of the window.

IN CASE OF AN EMERGENCY

CONTENTS

▶ Hazard Warning Flasher	94	▷ Preparations for Jacking	95	▶ Towing A Disabled Vehicle	100
▶ Vehicle Jacking and Tire Changing	94	▷ Jacking Instructions	95	▶ Removing and Installing Vehicle Battery	100
▷ Jack Location	94	▷ Wheel Nut Torque Specification	97	▶ Jump-Starting Procedures Due to A Low Battery	101
▷ Spare Tire Location	94	▶ Vehicle Overheating	97		
		▶ Fuse Replacement	98		

Hazard Warning Flasher



The hazard warning switch is located on the instrument panel, above the radio. Depress the switch to activate both cluster indicators and all front and rear directional signals. Depress the switch again to turn the Hazard Warning Flashers off. This is an emergency warning system and it should only be used for emergencies. Use it when your vehicle is disabled or creating a safety hazard for other motorists.

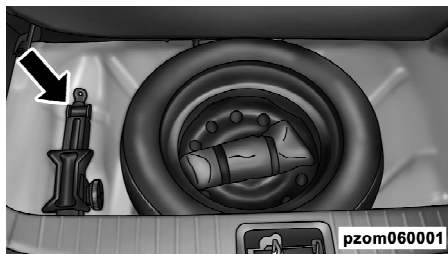
The hazard warning flashers will continue to operate even though the ignition switch is on the LOCK position.

NOTE: With extended use, the hazard warning flashers may drain the battery.

Vehicle Jacking and Tire Changing

Jack Location

The jack is stowed under the load floor in the cargo area.



Jack Storage Location

NOTE: The maximum working load of the jack is 800 kg.

Spare Tire Location

The spare tire is stowed under the load floor in the cargo area.



Spare Tire Location

Spare Tire Removal

- Lift the rear load floor.
- Remove the spare tire retaining bolt.
- Remove the spare tire.

Preparations for Jacking

- Park the vehicle on a firm, level surface. Avoid steep, icy, or slippery areas.
- Set the parking brake firmly.
- Place the manual transaxle in NEUTRAL.
- Turn on the hazard warning flashers.
- Turn off the engine.

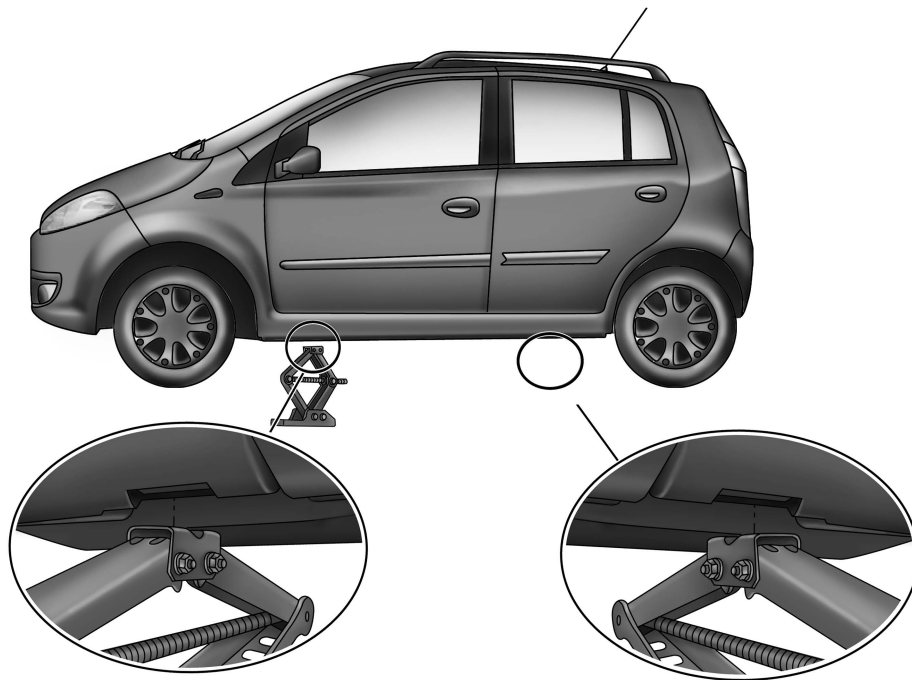
- Put wheel blocks at the front and rear of the tire diagonally opposite the tire being changed. For example, if changing the right front tire, block the left rear wheel.

WARNING!

Do not attempt to change a tire on the side of the vehicle close to moving traffic. Pull far enough off the road to avoid the danger of being hit when operating the jack or changing the tire.

Jacking Instructions

- Remove the spare tire, jack, and jack-handle from the rear cargo area.
- Loosen, but do not remove, the wheel nuts on the wheel with the flat tire. Turn the wheel nuts counterclockwise while the wheel is still on the ground.
- Place the jack underneath the lift area that is closest to the flat tire. Turn the jack screw clockwise to firmly engage the jack saddle with the lift area of the vehicle sill flange.



Jack Engagement Locations

pzom060003

- Raise the vehicle by turning the jack screw clockwise with the jack handle. Raise the vehicle until the tire just clears the ground surface and there is enough clearance to install the spare tire.

⚠ WARNING!

Minimum tire lift provides maximum stability.

- Remove the wheel nuts.
- Remove the wheel and tire assembly from the hub.
- Install the spare tire.
- Install the wheel nuts with the tapered end of the nuts toward the wheel. Lightly tighten the nuts by hand.
- Lower the vehicle by turning the jack screw counterclockwise with the jack handle.

- Finish tightening the wheel nuts. Alternate tightening wheel nuts firmly in a criss-cross pattern until each nut has been tightened twice. Correct wheel nut torque is 110 N·m.

CAUTION!

To verify correct wheel nut torque, have them checked with a torque wrench by your authorized Chery dealer as soon as possible after the repair.

- Lower the jack to its fully closed position.
- Stow the jack-handle and jack.
- Place the flat tire in the rear cargo area. Have it repaired or replaced as soon as possible.

Wheel Nut Torque Specification

Description	Torque (N·m)
Wheel Nuts	110

Vehicle Overheating

⚠ WARNING!

A hot engine cooling system is dangerous. You or others could be badly burned by steam or boiling coolant. You should call a service station for help if your vehicle overheats.

If your engine coolant temperature gauge indicates overheating, if you experience a loss of power, or if you hear a loud knocking or pinging noise, the engine has probably overheated. You should perform the following procedure.

- Safely pull the vehicle over, stop the vehicle and turn on your hazard warning flasher. Put the transaxle in NEUTRAL (manual) and apply the parking brake. Turn the air conditioner off if it is being used.

- If coolant or steam is boiling out of the radiator or reservoir, stop the engine. Wait until the steam subsides before opening the hood. If there is no coolant boiling over or steam, leave the engine running and make sure the electric cooling fan is operating. If it is not, turn the engine off and let it cool.

CAUTION!

To help avoid personal injury, keep the hood closed until there is no steam escaping the cooling system. Escaping steam or coolant is a sign of very high pressure.

- Look for obvious engine coolant leaks from the radiator, hoses, and under the vehicle. However, note that water draining from the air conditioning is normal if it has been used.

CAUTION!

When the engine is running, keep hands and clothing away from the moving fan and engine drive belts.

- If engine coolant is leaking, stop the engine immediately. Call an authorized Chery dealer for assistance.
- If there are no obvious leaks, check the coolant reservoir. If it is dry, add coolant as needed. See "Adding Coolant" in the "Proper Maintenance Of Your Vehicle".

CAUTION!

Do not attempt to remove the radiator cap when the engine and radiator are hot. Serious injury could result from scalding hot fluid and steam blown out under pressure.

- After the engine coolant temperature has cooled to normal, double check the coolant level in the reservoir. If

necessary, fill the reservoir to half full again. Serious coolant loss indicates a leak in the system. You should have the cooling system checked as soon as possible at an authorized Chery dealer.

NOTE: If the engine continues to overheat or frequently overheats, have the cooling system inspected by an authorized Chery dealer as soon as possible.

Fuse Replacement

Fuses are used to protect electrical circuitry and components from a possible electrical overload. If a fuse fails on your vehicle, see the fuse application chart to replace the fuse with the proper amperage.

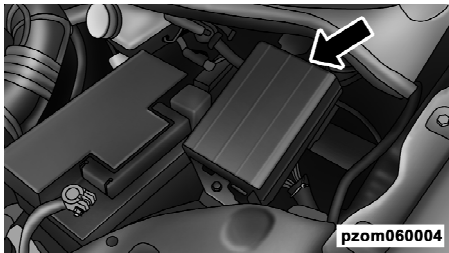
⚠ WARNING!

Turn the ignition switch OFF before replacing any fuse.

CAUTION!

When replacing a blown fuse, it is important to use only a fuse having the correct amperage rating. The use of a fuse with a rating other than indicated may result in a dangerous electrical system overload. If a properly rated fuse continues to blow, it indicates a problem in the circuit that must be corrected.

The Front Fuse and Relay Box is located in the engine compartment.



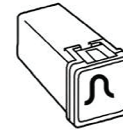
Front Fuse and Relay Box Location

Spare fuses should be carried in the vehicle in case any should fail. For replacement fuses, contact with your authorized Chery dealer who carries various types of fuses for your vehicle.

CAUTION!

When installing the Front Fuse and Relay Box cover, it is important to ensure the cover is properly positioned and fully latched. Failure to do so may allow water to enter and possibly result in an electrical system failure.

A blown fuse can be identified by the melted fuse wire.



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Fuse Color	Amperage
Auburn	5 A
Brown	7.5 A
Red	10 A
Blue	15 A
Light Green	20 A
Green	30 A

Fuse Color	Amperage
Orange	40 A
Yellow	60 A

Towing A Disabled Vehicle

NOTE: Your vehicle is equipped with tow hooks at both the front and rear.

CAUTION!

Observe the following guidelines when towing the vehicle:

- Tow the vehicle slowly and smoothly to avoid damage.
- If the vehicle needs to be steered while being towed, the ignition switch must be in the ON position, not in the LOCK or ACC position.

(Continued)

CAUTION! (Continued)

- Power brake and power steering assist is not available when the engine is off, the required operational force for steering and braking is increased significantly.
- Do not attempt to tow this vehicle from the front with sling type towing equipment. Damage to the front fascia will occur.

Removing and Installing Vehicle Battery

The following steps must be taken when removing and installing the battery:

- Turn the ignition switch and all electrical devices off.
- Remove the negative (-) battery cable.

- Remove the protective cover from the positive (+) battery cable, and remove the cable.
- Remove the battery hold down, and remove the battery.
- Install the new battery, when installing the battery, connect the positive (+) battery cable first and then the negative (-) battery cable.
- After the new battery is installed, the vehicle may perform unusually while driving. This is normal due to the engine control system readapting to the vehicle's driving conditions.

NOTE: For proper disposal of a used battery, see an authorized Chery dealer or a local qualified waste disposal station.

Jump-Starting Procedures Due to A Low Battery

WARNING!

Observe the following guidelines when jump-starting the battery:

- Take care to avoid the radiator cooling fan whenever the hood is raised. It can start anytime the ignition switch is ON. You can be hurt by the fan.
- Do not attempt to push or tow your vehicle to get it started. Unburned fuel could enter the catalytic converter and once the engine has started, ignite and damage the converter and vehicle. If the vehicle has a discharged battery, booster cables may be used to obtain a start from another vehicle. This type of start can be dangerous if done improperly, so follow this procedure carefully.

(Continued)

WARNING! (Continued)

- The battery used for boosting must be 12 volts.

The following preventative measures must be taken when jump starting the vehicle:

- When boosting from a battery in another vehicle, park that vehicle within booster cable reach, but without allowing the vehicles to touch.
- Set the parking brake.
- Place the manual transaxle in NEUTRAL.
- Turn off all unnecessary electrical loads.
- Turn the ignition switch to LOCK for both vehicles.

- Remove the protective cover over the positive (+) battery post. Connect one end of the jumper cable to the positive (+) battery post. Connect the other end of the same cable to the positive (+) booster battery post.
- Connect the other cable, first to the negative (-) booster battery post and then to the engine ground (-) of the vehicle with the discharged battery. Make sure you have a good connection on the engine ground.
- Start the engine in the vehicle that has the booster battery, let the engine idle for a few minutes, and then start the engine in the vehicle with the discharged battery.
- When removing the jumper cables, reverse the sequence exactly. **Be careful of the moving belts and fan.**
- Reinstall the protective cover over the positive (+) battery post.

CUSTOMER ASSISTANCE

CONTENTS

▶ Service for Your Vehicle	104	▶ If You Need Assistance	104	▷ After-Sales Service Department Chery International	105
▷ Service Appointments	104	▷ Vehicle Satisfaction	104		
▷ Service List	104	▷ Authorized Chery Dealer Service	105		
▷ Service Requests	104				

Service for Your Vehicle

Service Appointments

If you're having warranty work done, be sure to have the proper vehicle documents with you. Take your warranty folder. All work to be performed may not be covered by the warranty. Discuss additional charges with the service advisor. Keep a maintenance log of your vehicle's service history. This can often provide a clue to the current problem.

Service List

Prepare a written list of your vehicle's problems or the specific work you want done. If you've had an accident or work done that is not on your maintenance log, let the service advisor know.

Service Requests

If you list a number of items and you must have your vehicle by the end of the day, discuss the situation with the service advisor and list the items in order of priority. At many authorized Chery dealers, you may obtain a rental vehicle at a minimal daily charge. If you need a rental, it is advisable to make these arrangements when you call for an appointment.

If You Need Assistance

Vehicle Satisfaction

Chery and its authorized dealers are committed to your satisfaction with their products and services. Your happiness with our vehicle is important to us.

If a service problem or other difficulty occurs, we recommend that you take the following steps:

- Discuss the problem with your authorized Chery dealership's service manager. Management personnel at the authorized dealer are in the best position to resolve your questions and concerns quickly.
- In the event you are still not satisfied, talk to the general manager or the owner of the authorized dealership. They want you to be satisfied.
- If the dealership is unable to resolve your concern, please contact the After-Sales Service Department Chery International.

Authorized Chery Dealer Service

Only Original Equipment Manufacturer (OEM) parts and materials can extend your vehicles life. Chery Automobile Co., Ltd. only supplies OEM parts to authorized Chery dealers located world wide. Therefore, only use authorized OEM parts from an authorized Chery dealer.

Authorized Chery dealers are service professionals and are exclusively authorized by Chery Automobile Co., Ltd. For vehicle service, remember that your authorized dealer knows your vehicle best, has the factory-trained technicians and OEM parts to best provide the customer satisfaction that you require.

After-Sales Service Department Chery International

The following is the address, zip code, E-mail, website and telephone hotline number of the After-Sales Service Department Chery International:

Address: *After-Sales Service Department Chery International, No.8 Changchun Road, Economic & Technical Development Zone, Wuhu, Anhui Province, China*

Zip Code: 241009

E-mail: helpdesk@mychery.com

Website: www.cheryinternational.com

Hotline: +86-553-5923830

Any communication sent to the After-Sales Service Department Chery International should include the following information:

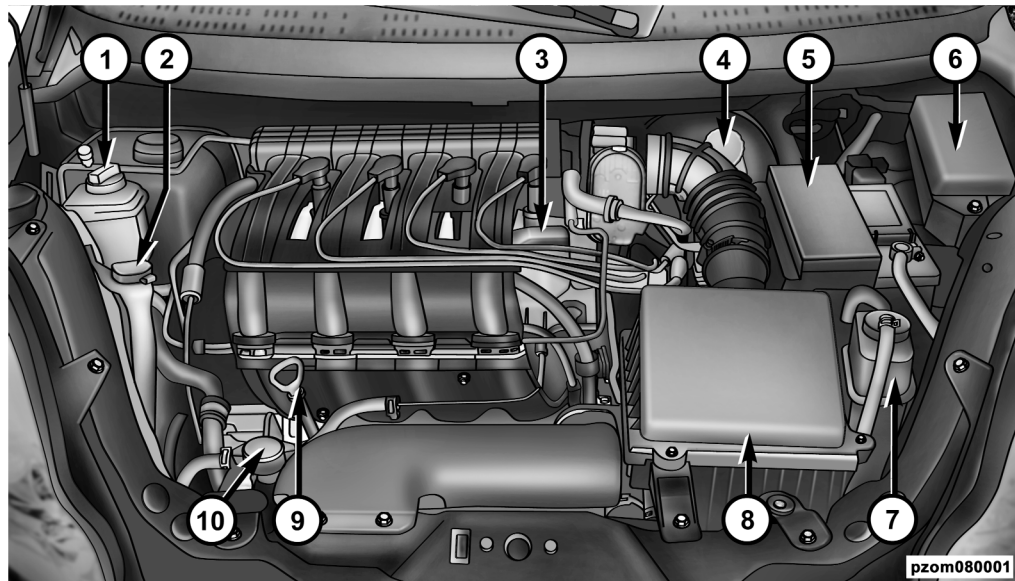
- Owner's name and address
- Owner's telephone number
- Owner's E-mail
- Selling and servicing dealer
- Vehicle Identification Number (VIN)
- Vehicle's delivery date and current odometer reading
- Service history of your vehicle
- An accurate description of the problem and the conditions under which it occurs.

PROPER MAINTENANCE OF YOUR VEHICLE

CONTENTS

▶ Proper Maintenance Of Your Vehicle	108	▷ Maintenance Procedures	110	▷ Vehicle Weight	120
▷ LHD Engine Compartment	108	▷ Bulb Replacement	116	▷ Vehicle Dimensions	121
▷ RHD Engine Compartment	109	▷ Fluids and Capacities	118		
		▷ Fluids, Lubricants, and Genuine Parts	119		

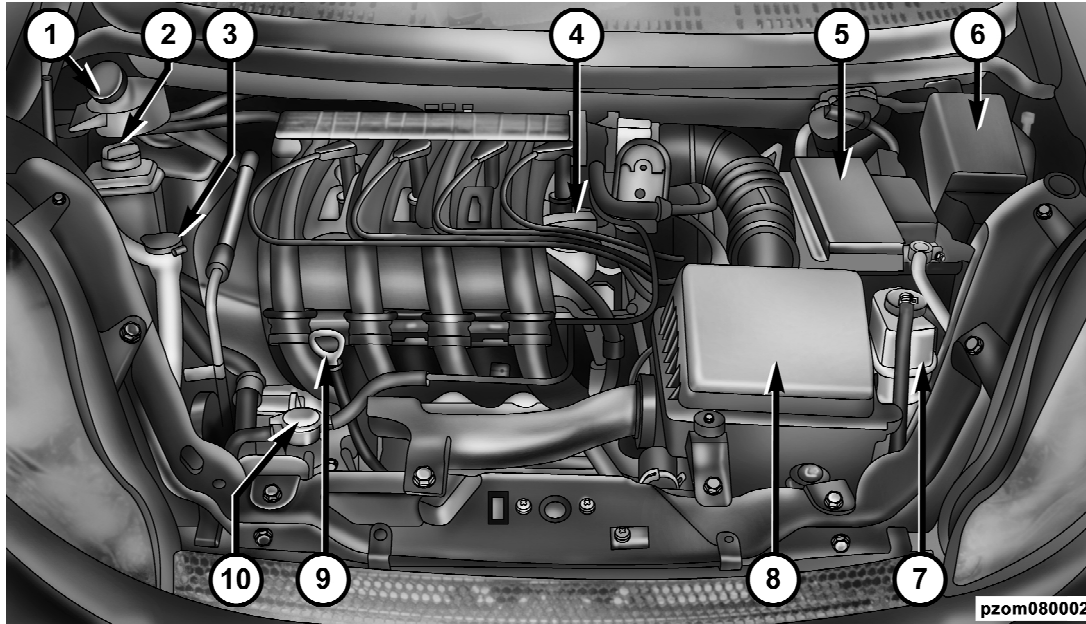
Proper Maintenance Of Your Vehicle LHD Engine Compartment



- 1 - Power Steering Fluid Reservoir
- 2 - Washer Fluid Reservoir
- 3 - Engine Oil Fill
- 4 - Brake Fluid Reservoir
- 5 - Battery

- 6 - Front Fuse and Relay Box
- 7 - Engine Coolant Reservoir
- 8 - Air Cleaner Filter
- 9 - Engine Oil Dipstick
- 10 - Cooling System Pressure Cap

RHD Engine Compartment



- 1 - Brake Fluid Reservoir
- 2 - Power Steering Fluid Reservoir
- 3 - Washer Fluid Reservoir
- 4 - Engine Oil Fill
- 5 - Battery

- 6 - Front Fuse and Relay Box
- 7 - Engine Coolant Reservoir
- 8 - Air Cleaner Filter
- 9 - Engine Oil Dipstick
- 10 - Cooling System Pressure Cap

Maintenance Procedures

The pages that follow contain the required maintenance services, determined by the engineers who designed your vehicle. Along with the items which require maintenance at periodic intervals, there are items that should operate satisfactorily without regular maintenance. However, if a malfunction of any of these items should occur, it could adversely affect the engine or vehicle performance. These items should be inspected if a malfunction occurs or is suspected.

NOTE:

- Always wash vehicles in a proper location, using caution not to destroy the ecological drainage system.
- Used engine oil, brake fluid, coolant, batteries and tires should only be disposed of by qualified waste disposal personnel or consult the manufacturer. Do not dispose of them as

household waste or drain any chemicals into the public drainage system.

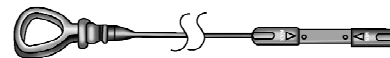
Engine Oil Level Check

Engine oil consumption depends on many factors. A new engine's oil consumption will reach a normal level after its first 5,000 km. The engine will also consume more oil when it is operated while carrying or towing a heavy load.

To assure proper engine lubrication, the engine oil must be maintained at the correct level. Check the oil level at regular intervals, such as every fuel stop.

The best time to check the oil level is approximately five minutes after a fully warmed engine is shut off. Check the oil when the vehicle is on level ground and only while the engine is hot. This will improve the accuracy of the oil level readings. Maintain the oil level between the "MIN" and "MAX" range markings on the dipstick. Add

the correct engine oil when the reading is at the low end of the range marking.



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Engine Oil Dipstick

CAUTION!

Do not overfill the engine oil. Overfilling will cause oil aeration, which can lead to a loss of oil pressure and an increase in oil temperature. This could damage your engine. Also, be sure the oil fill cap is reinstalled and tightened after adding oil.

Engine Oil Additives

The manufacturer strongly recommends against the addition of any additives (other than leak detection dyes) to the engine oil. Engine oil is an engineered product and its performance may be impaired by supplemental additives.

Disposing of Used Engine Oil

Care should be taken in disposing of used engine oil from your vehicle. Used oil, indiscriminately discarded, can present a problem to the environment. Contact your authorized Chery dealer, service station, or government agency for advice on how and where used oil can be safely discarded in your area.

Engine Oil Filter

The engine oil filter should be replaced at every engine oil change.

Catalytic Converter

The catalytic converter requires the use of unleaded fuel only. Leaded

gasoline will destroy the effectiveness of the catalyst as an emissions control device. Under normal operating conditions, the catalytic converter will not require maintenance. However, it is important to keep the engine properly tuned to assure proper catalyst operation and prevent possible catalyst damage.

CAUTION!

Damage to the catalytic converter can result if your vehicle is not kept in proper operating condition. In the event of engine malfunction, particularly involving engine misfire or other apparent loss of performance, have your vehicle serviced promptly. Continued operation of your vehicle with a severe malfunction could cause the converter to overheat, resulting in possible damage to the converter and the vehicle.

WARNING!

A hot exhaust system can start a fire if you park over material that can burn. Many materials, such as grass or leaves coming into contact with your exhaust system could start a fire. Do not park or operate your vehicle in areas where your exhaust system can contact anything that can burn.

Brake Fluid Level Check

Check the fluid level in the brake fluid reservoir whenever performing underhood services. The fluid level should be between the "MIN" and "MAX" indicator on the reservoir. If necessary, add fluid to the reservoir to raise the fluid to the proper level.

Adding Brake Fluid

- Check the fluid level in the brake fluid reservoir immediately if the brake system warning light indicates a system failure.
- Overfilling fluid is not recommended because it may cause leaking in the system.
- Use only brake fluid that has been stored in a tightly closed container to avoid contamination from foreign matter or moisture.
- Only use brake fluid that meets Chery specifications. Refer to "Fluids and Capacities" in this chapter for the brake fluid capacity and type.

CAUTION!

Do not allow petroleum based fluid to contaminate the brake fluid, brake seal components could be damaged causing partial or complete brake failure.

WARNING!

Never allow brake fluid to contact your skin or eyes. If brake fluid splashes in your eyes, or on your skin, flush the area immediately with large amounts of water and seek medical treatment immediately.

Coolant Level Check

WARNING!

Never add coolant when the engine is overheated. Do not loosen or remove the cap to cool an overheated engine. Heat causes pressure to build up in the cooling system. Therefore, to prevent scalding or injury, do not remove the cap while the system is hot or under pressure.

The coolant reservoir provides a quick visual method for determining that the coolant level is adequate. With the engine idling and warmed to normal

operating temperature, the level of the coolant should be between the "MIN" and "MAX" lines shown on the coolant reservoir.

WARNING!

Coolant is a toxic fluid. If the coolant comes into contact with skin or eyes, immediately wash the affected area with large amounts of water and seek medical attention.

Adding Coolant

- Remove the coolant reservoir cap and add coolant to the "MAX" indicated mark. Start and run the engine until the coolant temperature reaches approximately 90°C. At that time, the coolant level will drop down in the reservoir.
- Turn the engine off, add more coolant to the coolant reservoir as needed, and repeat the above process until the coolant level does not

drop down any more. After that, install the coolant reservoir cap.

- Only use coolant that meets Chery specifications.

NOTE: Do not mix coolant types for your vehicle.

Power Steering Fluid Check

Checking the power steering fluid level at a regular service intervals is required. The fluid should be checked if a leak is suspected, abnormal noises are apparent, and/or the system is not functioning as designed. If necessary, add fluid to restore to the proper indicated level. With a clean cloth, wipe any spilled fluid from all surfaces.

Maintenance-Free Battery

You will never have to add water, nor is periodic maintenance required for this battery. It is recommended not to use any other type of battery. The current and capacity of the replacement battery must be the same as the original battery, and it must meet Chery

specifications. Please consult your authorized Chery dealer for the correct battery specification.

WARNING!

- **Battery fluid is a corrosive acid solution and can burn or even blind you. Never allow battery fluid to contact your eyes, skin, or clothing. Never lean over a battery when attaching battery charger clamps. If acid splashes in eyes or on skin, flush the area immediately with large amounts of water. Seek medical treatment immediately if battery acid is swallowed.**
- **Battery gas is flammable and explosive. Keep flame or sparks away from the battery. The battery used for boosting must be 12 volts. Never allow battery cable clamps to touch each other.**

(Continued)

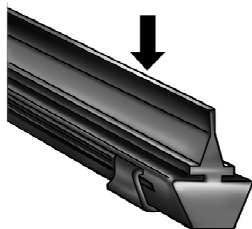
WARNING! (Continued)

- **Keep children away from battery fluid.**
- **The ignition system uses high voltage. Never touch any ignition system components when the engine is running.**
- **Disconnect the negative (-) battery cable if the vehicle is going to parked for an extended period of time.**

Windshield Washer Fluid Check

The windshield washer fluid reservoir is located in the engine compartment. Be sure to check the reservoir fluid level at regular intervals. Fill the reservoir with windshield washer solvent and operate the system for a few seconds to flush out the residual water.

Windshield Wiper Blades



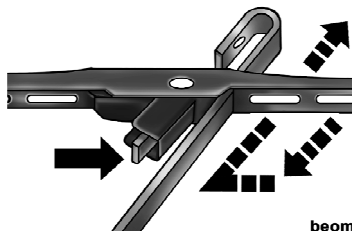
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Wiper Blades

Operating the wipers on dry glass for long periods may deteriorate the wiper blades. Always include washer fluid when using the wipers to remove salt or dirt from a dry windshield. Avoid using the wiper blades to remove frost or ice from the windshield. To avoid damaging the wiper blades, make sure that the wipers are not frozen to the glass before turning them on.

NOTE: Always keep the rubber blade free from contact with petroleum products such as engine oil, gasoline, etc.

Wiper Blade Replacement



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Replacing Wiper Blades

Lift the wiper arm and rotate the wiper blade at a right angle with the wiper arm. Press the release tab (arrow) in the direction as shown in the figure to loosen the wiper blade from the wiper arm. With the release tab pressed, slide the wiper blade away from the wiper arm. Install the new wiper blade in the reverse order, and confirm the release tab is locked securely.

Washing

Wash your vehicle regularly. Always wash your vehicle in the shade with

mild car washing soap. Rinse the vehicle completely with clean water. Avoid using abrasive compounds and power buffing as these may diminish the gloss or thin out the paint finish.

CAUTION!

Observe the following guidelines when washing your vehicle:

- Do not use abrasive or strong cleaning materials such as steel wool or scouring powder, which will scratch metal and painted surfaces.
- After washing, drive the vehicle and depress the brake pedal gently several times to dry the brake rotors.

Special Care

- If you drive on dirt roads, wash off the undercarriage at least once a month.
- If you detect any stone chips or scratches in the paint, touch them up immediately.

- If your vehicle is damaged due to an accident or similar cause, which destroys the paint and protective coating, have your vehicle repaired as soon as possible.

Wheel and Wheel Trim Care

All wheels and wheel trims, especially aluminum and chrome-plated wheels, should be cleaned regularly with a mild soap and water to prevent corrosion. Do not use oven cleaner. Avoid automatic car washes that use acidic solutions or harsh brushes that may damage the wheels' protective finish.

Cleaning Cloth

In order to achieve the best results, always use a soft cleaning cloth for proper vehicle care.

Cleaning Leather Upholstery

Your leather upholstery can be best preserved by regular cleaning with a damp soft cloth. Small particles of dirt can act as an abrasive and damage the leather upholstery and should be re-

moved promptly with a damp cloth. Care should be taken to avoid soaking your leather upholstery with any liquid.

WARNING!

Do not use volatile solvents for cleaning purposes. Many are potentially flammable, and if used in closed areas they may cause respiratory harm.

Cleaning Headlights

Your vehicle is equipped with plastic headlights. Do not use abrasive cleaning components, solvents, steel wool or other aggressive material to clean the lenses.

Cleaning Rear Window

The rear window can be cleaned with a damp, soft cloth. Do not use abrasive cleaning components, solvents, steel wool or other such material to clean the rear window.

Cleaning Radiator

Over time, the engine radiator and air conditioning condenser can become blocked by insects, leaves and other objects. This debris can block the flow of air to these components and affect the performance of the cooling system and the air conditioner, causing abnormal air conditioner operation and engine overheating. To provide the most efficient cooling system and air conditioner operation, periodic cleaning should be performed on the radiator and condenser. It is recommended to clean the radiator and condenser cooling fins once every year. The radiator may be cleaned with compressed air or water. The condenser may be cleaned with compressed air or water from the rear to the front through the radiator.

CAUTION!

- High pressure can damage the radiator fins, the air or water pressure should not exceed 150 kPa.
- When cleaning the radiator and condenser, spray the cooling fins in the correct direction to prevent damage.

WARNING!

The radiator fins are necessary for proper thermal conduction. Do not brush the fins, which may damage the fins and reduce the thermal conduction efficiency.

Do not spray water on a HOT radiator, the hot steam produced from spraying the radiator will cause injuries.

Clean the radiator and condenser only when the engine is turned off.

Bulb Replacement

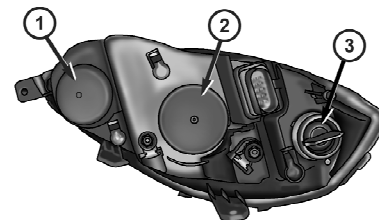
NOTE: Only authorized Chery dealers can provide original replacement bulbs.

Light Bulb Wattage Ratings

Light Bulb Name	Wattage Rating
Headlight	55 W
Front Fog Light	55 W
Parking Light	5 W
Rear Tail Light/Stop Light	5 W / 21 W
Rear Fog Light	21 W
License Light	5 W
Center High Mounted Stop Light	5 W
Side Repeater Light	5 W
Turn Signal Light	21 W
Backup Light	21 W

Headlight Replacement

- Raise the hood and locate the light bulb connector behind the headlight.
- Rotate the applicable bulb and connector and pull outward from the assembly.



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- 1 - High Beam Headlight Bulb / Parking Light Bulb
- 2 - Low Beam Headlight Bulb
- 3 - Front Turn Signal Bulb

- Pull the bulb out of the socket and replace the bulb.
- Reinsert the bulb and socket assembly and rotate it to the locked position.

CAUTION!

Do not touch the new bulb with your fingers. Oil contamination will severely shorten the bulb life.

Headlight Beam Adjustment

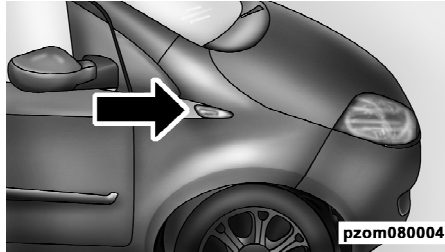
The correct headlight adjustment is directly correlated to driving safety. The headlights must be adjusted properly using special instruments. Always follow legal guidelines when adjusting the headlights.

Front Fog Light Replacement

- To replace the front fog light bulb, raise the vehicle and remove the bulb from the back of the fog light.

Side Repeater Light Replacement

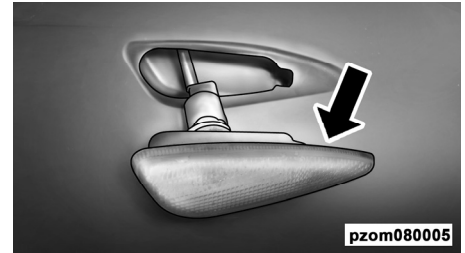
NOTE: Side Repeater Lights are located in both front fender panels.



Side Repeater Light Location

- Push the side repeater to one side to release the spring tension and pull outward.
- Twist the socket one quarter turn and pull the socket from the lens.

- Pull the bulb straight from the socket and replace.



Side Repeater Bulb Removal

Taillight Assembly Bulb Replacement

The taillight assembly contains the following bulbs:

- Parking light bulb
- Stop light bulb
- Turn signal light bulb
- Backup light bulb

- Rear fog light bulb



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Taillight Assembly

- Open the rear hatch, loosen the retaining clip of the taillight assembly cover and remove the taillight assembly.

- Remove the light socket from the taillight assembly.
- Push the bulb down with slight pressure and rotate the bulb counterclockwise.
- Install in the reverse order.
- Verify light operation after repair.

Center High-Mounted Stop Light Replacement

- Open the rear hatch and remove the center high-mounted stop light cover.
- Twist and remove the light socket from the back of the light housing.

- Replace the bulb and reinstall the socket into the housing.
- Install in the reverse order.

License Plate Light Replacement

- Gently pry the light assembly loose.
- Twist the socket one quarter turn and remove the socket from the lens housing.
- Pull the bulb straight from the socket and replace.

Fluids and Capacities

Description	Capacity
Fuel Tank	43.0L (approximate)
Engine Oil with Filter	4.0 ± 0.5L
Manual Transaxle	1.8 ± 0.1L
Power Steering Fluid Reservoir	"MAX" Mark
Brake Fluid Reservoir	"MAX" Mark
Cooling System	6.5L
Tire Pressure	Refer to tire placard on driver's door.
Washer Fluid Reservoir	"MAX" Mark

Fluids, Lubricants, and Genuine Parts

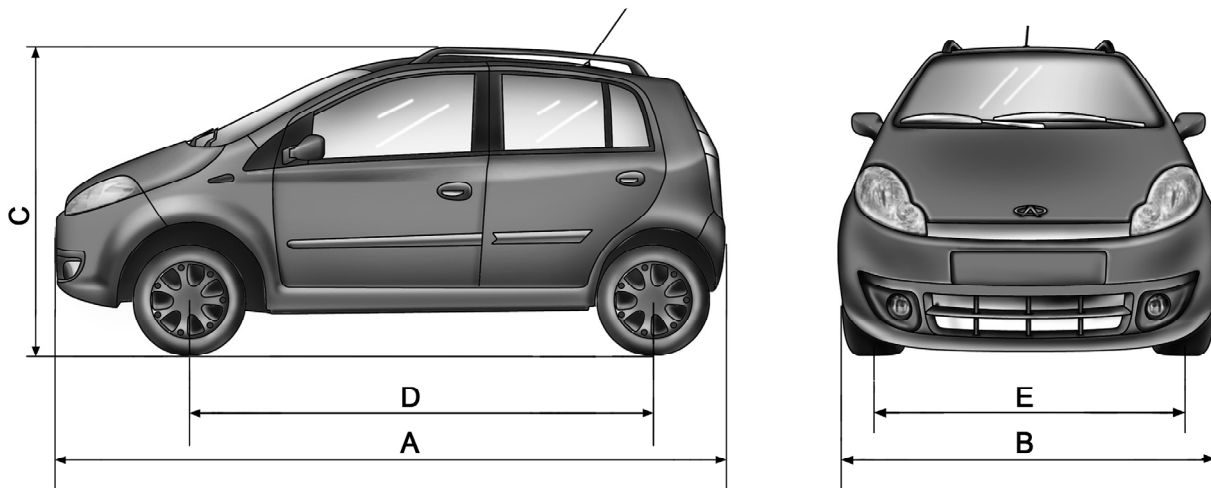
Component	Fluids, Lubricants, and Genuine Parts
Engine Coolant	Use engine coolant that meets Chery specifications. See an authorized Chery dealer for Chery Original Equipment Manufacturer (OEM) engine coolant.
Engine Oil	Use SAE 10W-40 (>-20°C) Engine Oil
Fuel Selection	≥93 Research Octane Number (RON)
Spark Plugs	(NGK) FR7DTC
Manual Transaxle Oil	Use composite gear oil GL-4 for transaxle lubricating oil. The viscosity of the gear oil is SAE 75W-90.
Brake Fluid Reservoir	Use DOT 4 brake fluid, and add to "MAX" mark depending on the demand. Only use olefin-free brake fluid.
Washer Fluid	Fill the washer fluid reservoir with concentrated window washer fluid designated by Chery and water (1:20). Always use winter window washer fluid when exterior temperatures are low.

120 – PROPER MAINTENANCE OF YOUR VEHICLE

Vehicle Weight

Item		Weight
Vehicle Curb Weight		1040 kg
Vehicle Curb Axle Weight	Front Axle	662 kg
	Rear Axle	378 kg
Manufacturer Maximum Loaded Weight (Including Passengers)		375 kg
Manufacturer Maximum Weight		1415 kg
Manufacturer Maximum Total Axle Weight	Front Axle	770 kg
	Rear Axle	645 kg
Quantity of Occupants (Including Driver)		5

Vehicle Dimensions



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122 - PROPER MAINTENANCE OF YOUR VEHICLE

Item		Dimension
A = Max Length		3700 mm
B = Full Width		1578 mm
C = Full Height (Curb Weight)		1564 mm
D = Wheel Base		2390 mm
E = Wheel Track	Front	1370 mm
	Rear	1355 mm
Suspension Length	Front	748 mm
	Rear	562 mm
Minimum Ground Clearance		130 mm

MAINTENANCE SCHEDULES

CONTENTS

► Maintenance Schedules	124	▷ Care and Maintenance Certificate	131
▷ Periodic Care and Maintenance Provision	124	▷ Safety Protection System	137

Maintenance Schedules

There is a maintenance schedule that shows the **required** service for your vehicle.

CAUTION!

Failure to perform the required maintenance items may result in damage to the vehicle.

Daily Check

- Inspect the working condition of all the exterior and interior lights. Replace any bulbs that are inoperable or dim, and verify all lenses are clean.
- Visually inspect the tires for proper tire pressure and look for unusual wear or damage.

At Each Stop for Fuel

- Check the engine oil level about 5 minutes after a fully warmed engine is shut off. Checking the oil level while the vehicle is on level ground will improve the accuracy of the oil level reading. Add oil only when the level is at or below the "MIN" mark.
- Check the windshield washer solvent and add if needed.

Once A Month

- Inspect the battery, and clean and tighten the terminals as needed.
- Check the fluid levels of the coolant reservoir and brake fluid reservoir, and add fluid as needed.
- Check all lights and all other electrical items for correct operation.

- Check rubber seals on each side of the radiator for proper fit.

At Each Oil Change

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the CV joints and front and rear suspension components.
- Check the coolant level, hoses, and clamps.

Periodic Care and Maintenance Provision

See an authorized Chery dealer for care and maintenance in accordance with the specified mileage.

Care and Maintenance Item	Mileage		
	Every 5,000 km	Every 15,000 km	Every 30,000 km
Lights, Warning Flasher, Horn: Check operation		X	X
Windshield Wiper And Washer System: Check operation and fill washer fluid if necessary		X	X
Check Clutch Free Travel And Clutch Oil Level: Adjust if necessary		X	X
Cooling System: Check coolant level and replace if necessary	X	X	X
Engine Oil: Replace	X	X	X
Engine Oil Filter: Replace	X	X	X
Engine: Check for fluid leaks (engine oil, antifreeze fluid, fuel, air conditioner system etc.)	X	X	X
Battery: Check electrolyte fluid level and add distilled water if necessary (for non maintenance-free battery only)		X	X
Timing Belt: Check condition and tightness and adjust or replace if necessary			X
Hood Hinges And Lock: Lubricate	X	X	X
Door Hinges And Door Locks: Lubricate	X	X	X

126 – MAINTENANCE SCHEDULES

Care and Maintenance Item	Mileage		
	Every 5,000 km	Every 15,000 km	Every 30,000 km
Spark Plugs: Check and replace if necessary		X	X
Ignition Timing: Check	X	X	X
Fuel Filter: Replace			X
Exhaust System: Check for leaks and damage		X	X
Drive Belt: Check tightness, adjust or replace if necessary		X	X
Transaxle: Check for leaks or damage		X	X
Constant Velocity (CV) Universal Joint Boot: Check for damage	X	X	X
Tie Rod End: Check the clearance and boot for damage	X	X	X
Steering Universal Joint Assembly Bushing: Check for displacement or damage		X	X
Power Steering System: Check power steering fluid level and whether the clearance between the steering gear and rack is reasonable		X	X
Brake System: Visually examine for leaks, damage and brake fluid level	X	X	X

Care and Maintenance Item	Mileage		
	Every 5,000 km	Every 15,000 km	Every 30,000 km
Parking Brake: Check the stroke (5 to 7 clicks) and adjust if necessary	X	X	X
Brake Lining: Check its thickness and replace if necessary	X	X	X
Underbody protection layer: Visually examine for damage			X
Seat Belt: Check for damage		X	X
Toe-In And Camber Angle: Check and adjust if necessary		X	X
Ball Joint: Check clearance		X	X
Rear Axle Rubber Bushings: Check for damage		X	X
Engine Oil Pan Bolts: Check for proper torque and tighten if necessary			X
Control Arm Rubber Sleeve: Check for damage		X	X
Brake Hose: Check for aging and damage		X	X
Brake Pipe: Check for damage, corrosion and leaks of all the joints		X	X
Fuel System Connections: Check for aging, damage, abnormal loose or abrasion			X

128 – MAINTENANCE SCHEDULES

Care and Maintenance Item	Mileage		
	Every 5,000 km	Every 15,000 km	Every 30,000 km
Tires (including spare tire): Check tire tread depth, torque of wheel nuts, adjust tire pressure if necessary	X	X	X
Tire Rotation		X	X
Bolts Connecting Chassis And Car Body: Check torque and tighten if necessary	X	X	X
Wheel: Check torque	X	X	X
CO Content During Idle: Check and adjust if necessary	X	X	X
Test Drive: Check whether all the mechanisms function normally	X	X	X
<ul style="list-style-type: none"> • Manual transaxle gear oil should be replaced every year or every 30,000 km. • Brake fluid should be replaced every 2 years or every 50,000 km. • Engine timing belt should be replaced every 40,000 km. 			

FIRST 5,000 KM CARE & MAINTENANCE CARD

Date: _____

Mileage: _____

Registration
No. of Vehicle: _____

Service Station Seal:

Owner's Signature: _____



Service Station Seal
Vehicle Data

VIN _____

Engine No./Transmission No. _____

Optional Equipment _____

Owner: _____

Address: _____

Telephone Number: _____

Private _____

Business _____

E-Mail: _____

Delivery Date: _____

Registration _____

No. of Vehicle: _____

FIRST 5,000 KM CARE & MAINTENANCE CARD

Date: _____ Mileage: _____

Check Item:	Y	N	Check Item:	Y	N
1. Check lubricating system, cooling system and fuel system for leaks.	<input type="checkbox"/>	<input type="checkbox"/>	10. Check generator and air conditioner belt tightness and adjust it if necessary.	<input type="checkbox"/>	<input type="checkbox"/>
2. Replace engine oil and engine oil filter.	<input type="checkbox"/>	<input type="checkbox"/>	11. Check engine hood hinge and lock.	<input type="checkbox"/>	<input type="checkbox"/>
3. Check coolant level and add coolant or adjust coolant concentration if necessary.	<input type="checkbox"/>	<input type="checkbox"/>	12. Check air conditioner for leaks.	<input type="checkbox"/>	<input type="checkbox"/>
4. Check transaxle for leaks.	<input type="checkbox"/>	<input type="checkbox"/>	13. Check transaxle oil level and add oil if necessary.	<input type="checkbox"/>	<input type="checkbox"/>
5. Check tie rod for damage.	<input type="checkbox"/>	<input type="checkbox"/>	14. Check power steering for leaks and add power steering oil.	<input type="checkbox"/>	<input type="checkbox"/>
6. Check transaxle shaft constant velocity universal joint boot for damage.	<input type="checkbox"/>	<input type="checkbox"/>	15. Check the steering universal joint boot.	<input type="checkbox"/>	<input type="checkbox"/>
7. Check brake fluid for leaks and brake pipe for damage.	<input type="checkbox"/>	<input type="checkbox"/>	16. Check whether all the gears of manual transaxle shift smoothly.	<input type="checkbox"/>	<input type="checkbox"/>
8. Check whether all the brake calipers work effectively.	<input type="checkbox"/>	<input type="checkbox"/>	17. Check bolt connecting chassis and car body for proper torque.	<input type="checkbox"/>	<input type="checkbox"/>
9. Check tire pressure and adjust if necessary.	<input type="checkbox"/>	<input type="checkbox"/>			

Care and Maintenance Certificate

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 10,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 15,000 km care and maintenance items after driving 15,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 20,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 25,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 30,000 km care and maintenance items after driving 30,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 35,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 40,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 15,000 km care and maintenance items after driving 45,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 50,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 55,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 30,000 km care and maintenance items after driving 60,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 65,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 70,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 15,000 km care and maintenance items after driving 75,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 80,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 85,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 30,000 km care and maintenance items after driving 90,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

PERIODIC CARE AND MAINTENANCE

Perform 5,000 km care and maintenance items after driving 95,000 km or 6 months after last care and maintenance.

Date: _____

Mileage: _____

Service Station Seal

Owner Signature

Next scheduled care and maintenance time or mileage:

Date: _____

Mileage: _____

Perform periodic care and maintenance in accordance with the items specified in the technical care and maintenance of A1 vehicle.

Safety Protection System

The airbags must be replaced 10 years from the initial installation date. This must be performed by an authorized Chery dealer.

In order to ensure the proper operation of the airbag system, always have the airbags replaced at the specified date by an authorized Chery dealer.

If the airbags have been replaced before the specified date (such as after an accident), please fill in the replacement record for future reference.

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

**SAFETY SYSTEM
REPLACEMENT RECORD**

- Driver air bag
- Front passenger side air bag
- Air bag control module
- Air bag harness
- Pretensioner seat belt
- Other components

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

Date: -----

Authorized service station seal:

INDEX

A

ABS Self-Check . . . . .	.67
Adding Fuel . . . . .	.72
Adjustable Upper Shoulder Belt Anchorage . . . . .	.24
Adjusting Steering Wheel . . . . .	.20
After Starting . . . . .	.58
After-Sales Service Department Chery International . . . . .	.105
Air Conditioning and Heating System .	.89
Airbag Warning Light . . . . .	.26
Airbags . . . . .	.25
Anti-Pinch Feature . . . . .	.44
Anti-Theft Security Protection . . . . .	.19
Antilock Brake System (ABS) . . . . .	.66
Audio System . . . . .	.83
Authorized Chery Dealer Service . . .	.105
Auto - Down Feature . . . . .	.22
Auxiliary Storage Compartments . . . .	.48

B

Brake Booster . . . . .	.65
Brake Lights . . . . .	.44
Brake System . . . . .	.64

Braking System Break-In

Recommendations . . . . .	.31
Bulb Replacement . . . . .	.116

C

Care and Maintenance Certificate . . .	.131
Cargo Area . . . . .	.48
CD/MP3 Player Operation . . . . .	.88
Child Restraint . . . . .	.26
Child-Protection Door Lock System (Rear Doors) . . . . .	.21
Cigarette Lighter . . . . .	.45
Cigarette Lighter and Ashtray . . . . .	.45
Clean Air Gasoline . . . . .	.72
Climate Control . . . . .	.89
Clock Setting . . . . .	.86
Closing Sunroof . . . . .	.44
Cup and Bottle Holders . . . . .	.47

D

Dimmer Control . . . . .	.43
Door Locks . . . . .	.21
Downshifting . . . . .	.62
Driving In Slippery Conditions . . . . .	.68
Driving Through Water . . . . .	.68
Dual Circuit Brake System . . . . .	.65

E

E - Economy/Normal Shift Mode Switch . . . . .	.64
Electronic Key Identification . . . . .	.20
Engine Break-In Recommendations . .	.30
Exhaust Gas . . . . .	.29
Exterior Vehicle Safety Inspection . . .	.30
EZ Drive - Automated Manual Transaxle (AMT) (If Equipped) . . . . .	.62

F

Failed Starting Procedure . . . . .	.58
Flash to Pass . . . . .	.41
Fluids and Capacities . . . . .	.118
Fluids, Lubricants, and Genuine Parts . . . . .	.119
Front Ashtray . . . . .	.45
Front Cupholders (If Equipped) . . . .	.47
Front Fog Lights . . . . .	.42
Front Interior Lighting . . . . .	.43
Front Lap/Shoulder Belt Operating Instructions . . . . .	.23
Front Windshield Wipers and Washers . . . . .	.37
Fuel . . . . .	.72
Fuse Replacement . . . . .	.98

G

Gear Shifting . . . . .	.62
General Information . . . . .	.69
General Information . . . . .	.72
General Information . . . . .	.83
General Information . . . . .	.89
Glove Box . . . . .	.47

H

Hazard Warning Flasher . . . . .	.94
Head Restraints . . . . .	.40
Headlight Leveling System . . . . .	.43
Headlights, Parking Lights (Front Position Lights, Instrument Panel Lights and License Light) . . . . .	.41
High Beam/Low Beam Select Switch . . . . .	.41
Hood Release . . . . .	.59
Horn . . . . .	.20
How to Read This Manual . . . . .	.4

I

If You Need Assistance . . . . .	.104
Ignition Key . . . . .	.17
Ignition Key Removal . . . . .	.17
Index . . . . .	.4
Inside Rearview Mirror . . . . .	.35

Inspection Certification for Vehicle

Delivery . . . . .	.7
Instrument Cluster . . . . .	.78
Instrument Cluster Display Screen . . . . .	.63
Instrument Cluster Functions . . . . .	.79
Instrument Panel Features . . . . .	.76
Interior Vehicle Safety Inspection . . . . .	.29
Introduction . . . . .	.4

J

Jack Location . . . . .	.94
Jacking Instructions . . . . .	.95
Jump-Starting Procedures Due to A Low Battery . . . . .	.101

L

Lap/Shoulder Belt Warning Light . . . . .	.23
Lap/Shoulder Belts . . . . .	.23
LHD Engine Compartment . . . . .	.108
LHD Instrument Panel . . . . .	.76
Lights . . . . .	.41
Locking Doors With The Key . . . . .	.17
Locking Your Vehicle . . . . .	.28

M

Maintenance for Seat Belt . . . . .	.25
Maintenance Procedures . . . . .	.110
Maintenance Schedules . . . . .	.124
Manual Door Locks . . . . .	.21
Manual Front Seat Adjustments . . . . .	.38
Manual Rear Seat Adjustments . . . . .	.39
Manual Transaxle (If Equipped) . . . . .	.61
Mirrors . . . . .	.35

N

New Vehicle Break-In Recommendations . . . . .	.30
New Vehicle Inspection . . . . .	.6
Normal Starting Procedure . . . . .	.57

O

Occupant Restraints . . . . .	.23
Opening Sunroof . . . . .	.44
Operating Cautions . . . . .	.65
Operating Safety Tips . . . . .	.28
Outside Mirror . . . . .	.35
Outside Mirrors Folding Feature . . . . .	.35

P

Parking Brake	64
Periodic Care and Maintenance Provision	124
PERSON-TO-PERSON Service Advisor Card	11
Personal Service	10
Power Remote Control Mirrors	35
Power Steering	67
Power Window Switches	22
Power Windows	22
Preparation Before Starting	57
Preparations for Jacking	95
Proper Maintenance Of Your Vehicle	108

R

Radio Faceplate	84
Radio Faceplate Description	85
Radio Operation	86
Rear Ashtray (If Equipped)	46
Rear Cupholder	47
Rear Fog Lights	42
Rear Hatch Light	44
Rear Hatch Release	46
Rear Hatch Release Lever	46
Rear Seat Belt Operating Instructions	24

Rear Window Defroster	91
Rear Window Defroster Switch	91
Rear Window Safety Switch	22
Rear Window Wiper and Washer	38
Remote Keyless Entry	18
Removing and Installing Vehicle Battery	100
Replacement Keys	17
Replacement Tires	71
Reverse Lights	44
Reversing Sonar Display	51
Reversing Sonar Operation	49
Reversing Sonar Sensors	51
Reversing Sonar System	49
RHD Engine Compartment	109
RHD Instrument Panel	77

S

Safety Protection System	137
Seats	38
Security Auto-Locks	19
Security Lamp	19
Service Appointments	104
Service for Your Vehicle	104
Service List	104
Service Requests	104
Shifting	61

Spare Tire	71
Spare Tire Location	94
Starting and Operating	57
Starting and Operating Cautions	59
Steering Wheel	20
Storage Areas	47
Sunroof (If Equipped)	44
Sunshade Operation	45

T

Table of Contents	4
Tilt Down Feature	45
Tilt Up Feature	44
Tire and Wheel Break-In Recommendations	31
Tire Pressure	70
Tire Rotation	70
Tires	69
Towing A Disabled Vehicle	100
Transaxle Warning Lamp	64
Transmitter Battery Replacement	18
Transporting Passengers	28
Tread Wear	71
Turn Signals	42

U

Utilizing ABS Braking 66

V

Vanity Mirrors 36
 Vehicle Alarm 19
 Vehicle Delivery Card 8

Vehicle Dimensions 121
 Vehicle Features 6
 Vehicle Identification Number 13
 Vehicle Jacking and Tire Changing 94
 Vehicle Modifications 13
 Vehicle Overheating 97
 Vehicle Satisfaction 104
 Vehicle Symbols 4

Vehicle Weight 120

W

Warnings and Cautions 13
 Wheel Nut Torque Specification 97
 Windshield Wipers and Washers 36
 Winter Tires 71