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Thank you for choosing SAIC MAXUS Automotive Co.,Ltd. May our products and services bring fresh joy to your life!

Please take time to read and understand this Handbook and other publications supplied with it. Thus you can familiarize yourself with the vehicle and enjoy a driving experience with comfort, safety as well as economy.

This Driver's Handbook will provide you with the information necessary for getting familiar with your vehicle, including how to drive the vehicle, how to carry out routine maintenance checks, and what to do in an emergency.

This Handbook contains the latest information upon the time of printing and all modifications, interpretations and explanations should be reserved by the company. Based on the consideration that the products will be upgraded or in any other way(s) modified constantly, the company reserves the right to apply these changes mentioned here before without notice when the Handbook has been hereby printed and published and will accept no liability.

This Handbook is an indispensable part of the vehicle. If you want to sell the vehicle, please remember to provide the new owner with this Handbook.

## **Special Announcement**

Driver's Handbook and Warranty & Service Handbook specify the agreement between the company and the user on establishment and termination of rights and obligations concerning the quality warranty and after-sales service of product. Please be sure to read the Driver's Handbook and Warranty & Service Handbook carefully before using the product. If any damage is caused by misuse, neglect, incorrect operation or unauthorized refit, the user will have no right of claim, and any warranty request will be refused by SAIC MAXUS Automotive Co.,Ltd Service Dealer(hereinafter referred to as "Service Dealer").

Unauthorized re-production of this Handbook, whether electrically, physically or in any other way, and/or storing the Handbook in any inquiry system of any form or type shall not be permitted.

Wish you a pleasant driving!

SAIC MAXUS Automotive Co.,Ltd. Address: #2500, Jun Gong Road, Yang Pu District, Shanghai Postcode: 200438

SAIC MAXUS Automotive Co.,Ltd reserves the final right to interpret this Handbook

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# Preface

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## Introduction

### About this handbook

This handbook is applicable to G10 series Passenger car and Bus.

#### Caution

Caution: The information contained in this handbook is designed to cover more than one model option and variant, and therefore some of the items mentioned here may not apply to your vehicle.

The applicable executive enterprise standards are Q31/0110000019C015 and Q31/0110000019C005.

The drawings contained in this handbook are illustrations for references only.

## Indicative information

### Warning



**This symbol indicates that: In order to avoid the possibility of personal injury or injury to others, relevant procedures must be followed strictly and precisely.**

### Caution

#### Caution

Relevant procedures must be followed to avoid the possibility of vehicle damage.

# Preface

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## Note


**Note:** *Indicative statements which provide helpful information.*


## Environment protection



**We are all expected to play our part in protecting the environment. This symbol is designed to draw your attention to environment protection.**

## Arrows

 Represents described object.


 Represents its direction of motion.

## See

The contents are referred by the “Section” title.


## Precautions

### Dangerous substances

 Most of the liquids and some substances used in motor vehicles are poisonous and should under no circumstances be consumed and should, so far as possible, be kept away from open wounds. These substances exist in various adhesives and fluid like battery acid, coolant, brake fluid, power steering fluid, fuel, washer fluid, lubricants, refrigerant, etc. Be sure to read the instructions printed on the labels or stamped on components with care and follow absolutely. These instructions are for the sake of your health and personal safety. Please treat them with prudence.


For your safety, please read this handbook carefully.

### Children / Animals

 Accidents and injury may be caused by unsupervised children or animals operating controls and switches fitted to your vehicle, or playing with equipment or goods being transported in it.

To prevent child or animal induced accidents or personal injury, do NOT leave them inside the vehicle without adult supervision. They will probably become suffocated in hot weather conditions.

### Personal safety

 Seat belts are fitted to all seats in your vehicle to reduce the possibility of personal injury in the event of an accident. It is required that all occupants wear a seat belt. In addition, a Supplementary Restraint System(SRS) comprising an air bag and seat belt is fitted to provide additional protection for the driver and front occupants.

See "Occupant restraint system". Misuse of an air bag can result in injury.

# Preface

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## Vehicle identification

When communicating with our authorized Service Dealer, you should provide the vehicle identification number (VIN).

If the engine is concerned, engine number should also be provided.

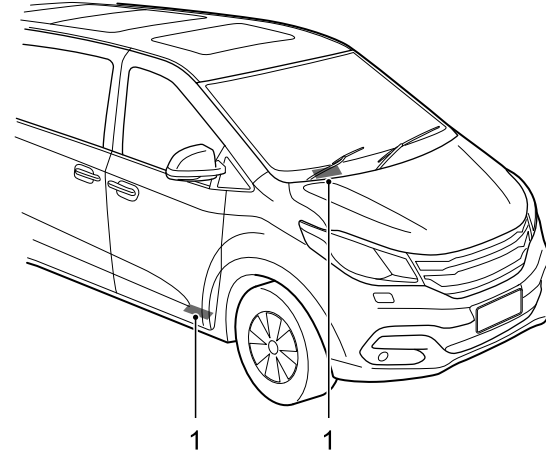
## Vehicle identification number (VIN)

Vehicle identification number on the vehicle (VIN) :

- At the front right longitudinal beam and on the floor under the driver seat.(Stamp position)
- On the VIN plate of the left B pillar.
- On the dashboard in the right bottom of front windscreen glass through where the VIN can be seen easily.

## Engine number

Engine number is printed on the front of engine cylinder.



1 Vehicle identification number (VIN)



# Preface

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## VIN plate

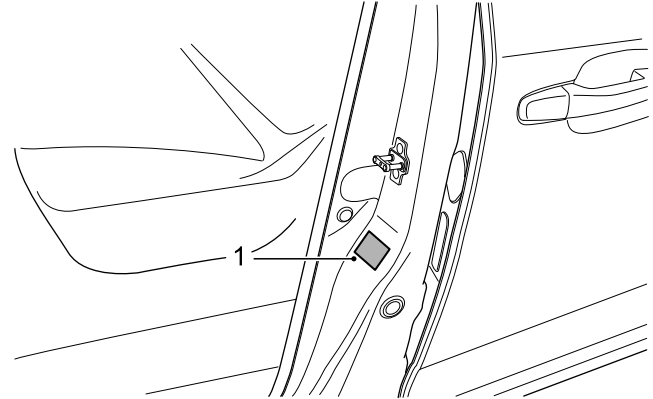
VIN plate may contain the following information, please refer to the actual vehicle.

- VIN
- Brand
- Model
- Model of engine
- MNEP
- Engine Displacement
- Maximum design total mass
- Seat No.
- Built Date
- Gross vehicle weight
- Curb weight
- Front/rear full axle load
- Production factory name
- Manufacturer

**Note:** *Built Date means the calendar month and the year in which the body shell and power train subassemblies are conjoined and the vehicle is driven or moved from the production line.*

## Location of VIN plate

VIN plate (1) is located at front lower of "B" pillar, please refer to the actual vehicle location.





## Before You Drive

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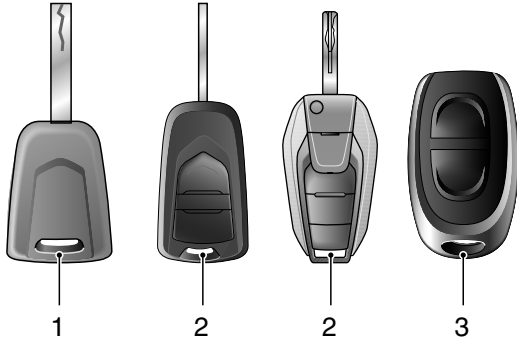
- 8 Keys
  - 12 Door locks
  - 19 Windows
  - 22 Seats
  - 27 Occupant restraint system
  - 36 Instruments and controls
  - 38 Instrument cluster
  - 43 Warning lights and indicators
  - 49 Instrument desk switches
  - 51 Switches on steering column and steering wheel
  - 59 HVAC
  - 72 Rear view mirrors
  - 73 Internal equipments
  - 84 Steering wheel adjustment
  - 85 Interior display screen
  - 87 MP3+Radio (Type 1)
  - 94 MP3+Radio (Type 2)
  - 101 MP5+Radio
-

## Before You Drive

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### Keys

The vehicle is equipped with 1 ordinary key and 1 remote key or 2 remote keys with keyless startup systems (hereinafter referred to as “PEPS”).



- 1 Ordinary key
- 2 Remote key
- 3 Remote key with PEPS

**Note:** In case of loss, replacement keys are available from our Service Dealer by quoting the key number on the metal or plastic tag supplied with the keys. We recommend you should keep the tag for security.

**Note:** For security purposes, the keys are coded electronically to the engine immobilisation system and are unique to it. A special procedure shall be observed to replace lost keys. An uncoded key can only be used for locking/unlocking the door.

# Before You Drive

## Ordinary key

The ordinary key is primarily for activating the engine immobilisation system and starting system, but can also be used to lock/unlock driver's door, occupant's door, sliding door and tailgate. Use of an ordinary key in either of these doors (driver's door excluded) will lock/unlock that door only.

For further information on the use of ordinary key, see "Manual unlock/lock of doors", "Ignition switch and steering lock".

## Remote key

The remote key is the controlling part of your vehicle's central locking system, which can be used to lock and unlock all doors.

**Note:** *The remote key is coded electronically to your vehicle's lock/unlock system and are unique to it. A special procedure shall be observed to replace lost remote key. Our Service Dealer will be pleased to assist you.*

For further information on the use of remote key, see "Central door locking system".

### Caution

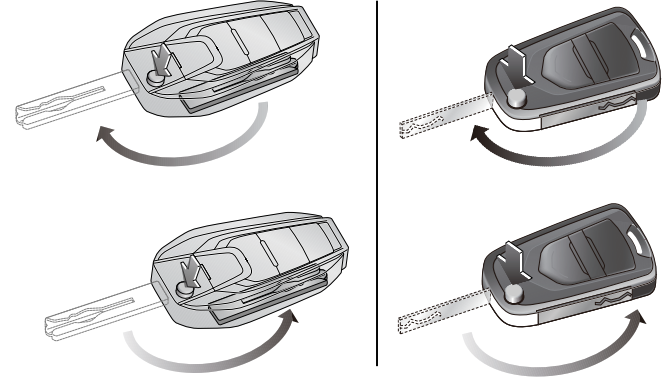
As for ordinary key and remote key, the engine immobilisation system can accept up to 8 coded keys. As for remote key with PEPS, the engine immobilisation system can accept up to 4 coded keys.

## Extension / Retraction of key head of the remote key

### Key head of the remote key ("Key head" for short)

Press the release button on the remote key to extend the key head from the key itself.

If retracting the key head, press the release button on the remote key and rotate the key head back to the key itself.

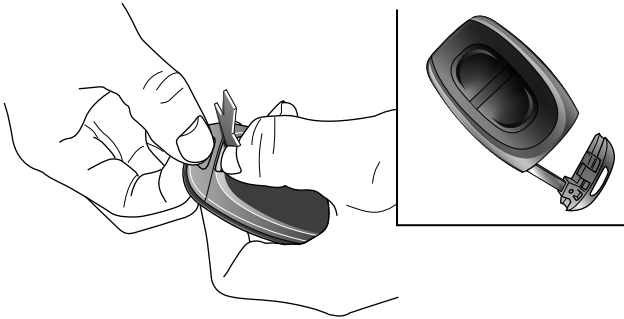


## Before You Drive

### Key head with PEPS remote key

Press the release button on the remote key with PEPS, and remove the key head from the key itself.

If the key head is taken back, it is required to insert the key head into the remote key with PEPS itself.



### Remote control battery replacement

**!** Batteries present risk of fire, explosion and burning. Never charge the battery. Dispose used battery correctly. Keep battery away from children.

**!** **WARNING:** Do not ingest the battery, chemical Burn Hazard.

This product contains coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

### WARNING



# Before You Drive

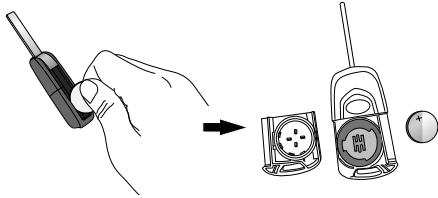
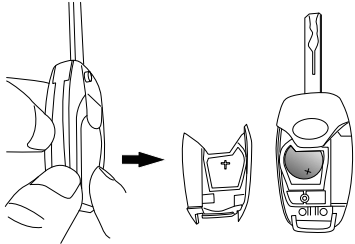
If necessary, replace the battery as procedures below:

## Remote control battery replacement

- 1 Extend the key head.
- 2 Pry (using coin) the battery cover from the key itself.
- 3 Withdraw the old battery and fit the new battery.

**Note:** Batteries of type CR2032 are recommended. It is essential that the correct battery polarization is observed.

- 4 Fit the battery cover into the key itself.



## Remote key with PEPS battery replacement

- 1 Release the button on the remote key with PEPS.
- 2 Remove the key head from the key itself.
- 3 Pry the upper and lower panels of the main body, remove the PCB (with battery) from the lower panel.

### Caution

Never use a metal tool to pry the PCB.

- 4 Withdraw the old battery and fit the new battery.

**Note:** Batteries of type CR2032 are recommended. It is essential that the correct battery polarization is observed.

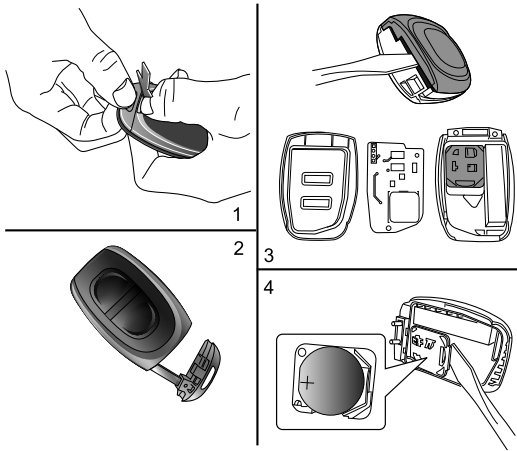
- 5 Put the plastic support with battery into the lower panel of the main body, and install the PCB subsequently.
- 6 Refit the upper and lower panels of the main body.

### Caution

Do not miss the waterproof shim onto the upper panel.

- 7 Press the key head into the main body.

## Before You Drive



### Caution

For the remote key with PEPS, where it is required replace the battery that it is complicated in its operation, it is suggested to replace the battery at our Service Dealer in order to prevent the key from being damaged due to wrong installation or misoperation.

## Door locks

### To protect your vehicle against theft

**!** If leaving the vehicle with occupants inside, even briefly, always remove the key from the ignition lock, particularly if children remain in the vehicle. They could otherwise start the engine or operate the electrical equipment, which will cause an accident.

Before leaving the vehicle, fully close all windows.

Ensure all doors are fully closed before locking them.

### Locking/unlocking

Through use of the ordinary key, remote key and remote key with PEPS, it is possible to lock/unlock all doors of the car. All doors can be locked/unlocked from the inside using central lock switch. All doors can be automatically locked according to the vehicle speed.

See “Central door locking system”.

**Note:** When the doors are locked with the remote key successfully, all turn signals of the car flash for one time and the horn makes a sound, indicating that the car is locked.

**Note:** When the car is unlocked by the remote key successfully, all turn signals of the car flash for two times, indicating that the car is unlocked.



## Central door locking system

### Using ordinary key or key head

All doors can be locked/unlocked using ordinary key or key head to manually lock/unlock the driver's door.

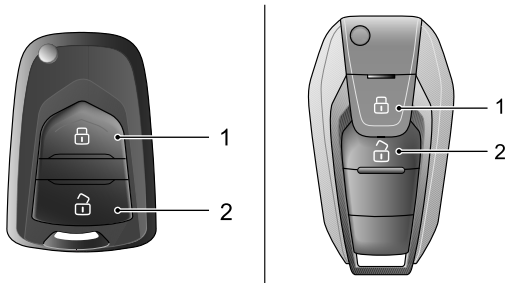
To lock, turn the ordinary key or key head anti-clockwise.

To unlock, turn the ordinary key or key head clockwise.

### Using remote key

The doors can be locked/unlocked through the central door locking system using the remote control buttons.

**Note:** All doors must be fully closed for the system to operate correctly.



- 1 Central locking button
- 2 Central unlocking button

### Caution

For the car with a PEPS system, when locking the car by use of the lock button on the remote key with PEPS, other valid key will be prohibited if there is a valid remote key with PEPS in the car at this moment, so as to lose the function of keyless entry to the car and one-key startup. The key that is prohibited in the car is activated by closing all doors and using the unlock button on the remote key with PEPS.

### All doors locking

Press button (1) to lock all doors when they are closed.

**Note:** If all turn signals flash 1 time, it indicates that locking has been confirmed; If any door is not fully closed, the audible warning will not sound. Press button (1) only after all doors have been closed.

### All doors unlocking

Press button (2) to unlock all doors.

**Note:** If no door is opened within 30 seconds, all doors will be automatically locked again.

# Before You Drive

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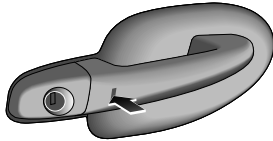
## Remote door lock with PEPS

The PEPS system enables you to lock or unlock your car without taking out of the remote key from your pocket, pellet and portfolio and other belongings.

### *Unlocking by the remote key with PEPS*

The door can be unlocked by pressing the microswitch on the door handle only if a valid remote key exists within 1m of the car.

### *Locking by the remote key with PEPS*

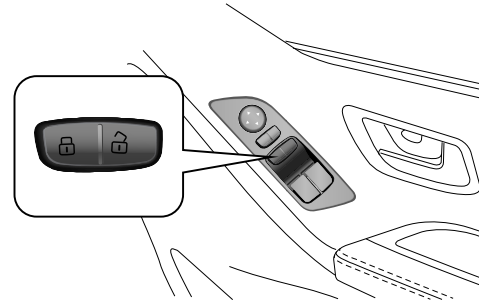


When closing the ignition switch, leaving out of the car and closing the door, it is possible to lock the door by touching the microswitch on the door handle with your thumb, without need to press the lock button on the remote key.

## Using central lock switch

All doors can be unlocked or locked from the inside using the switch. All doors can be locked by pressing the locking button. All doors can be unlocked by pressing the unlocking button.

**Note: If driver's door is not closed, the lock motor will not operate; if any other door is not closed, the lock motor will operate.**



## Locking according to vehicle speed

When the vehicle speed exceeds 8 km/h, all doors will be locked automatically.

**Note: When the key is turned to "LOCK" position, remove the key to unlock the door automatically.**

# Before You Drive

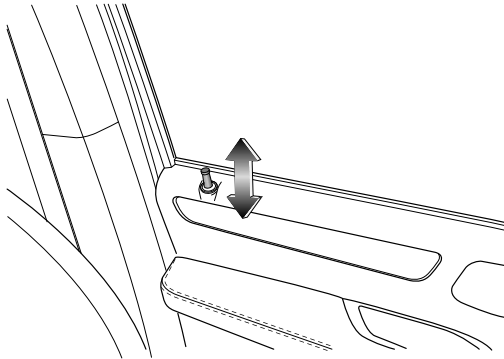
## Manual unlock/lock of doors

### Driver's door (from the inside)

To lock, close the door and press the button.

To unlock, lift the button up. To open the door from the inside, pull the handle.

**Note:** When the car is driving, the doors of the car should be fully closed and locked to prevent accidental opening of any door.



### Front occupant door (from the inside)

The unlocking/locking from the inside of the front occupant door are the same with those of the driver's door.

## Sliding door(s)

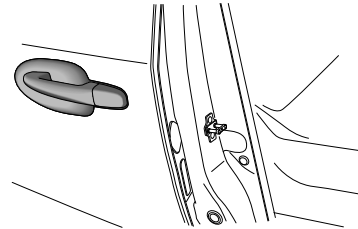
### Opening/closing the door from the outside

To open the door from the outside, pull the handle and slide the door rearwards.

To close the door from the outside, pull the handle fully forwards.

**Note:** When the right-hand sliding door is open, the small door of the fuel tank filler cannot be open.

**Note:** When the small door of the fuel tank filler is open, it is not allowed to open the right-hand sliding door. If the right-hand sliding door is open due to mis-operation, the right-hand sliding door can be only moved backward for a short distance. After the small door of the fuel tank filler is closed, the right-hand sliding door can be normally open after being pushed inward.

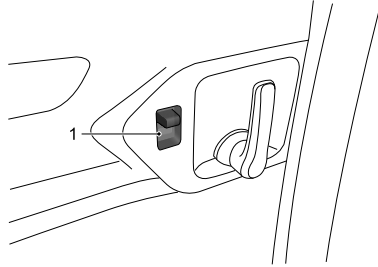


# Before You Drive

## **Unlocking/locking from the inside**

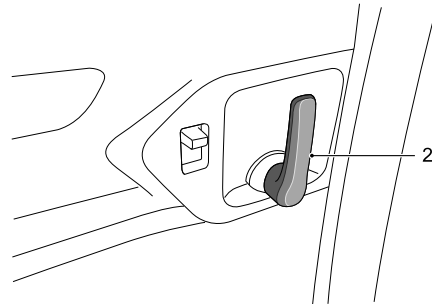
To lock from the inside, close the door and press button (1).

To unlock from the inside, lift the button (1) up.



## **Opening/closing the door from the inside**

To open the sliding door from the inside, pull the button (1) and squeeze the pull handle (2) and pull it rearwards after unlocking.

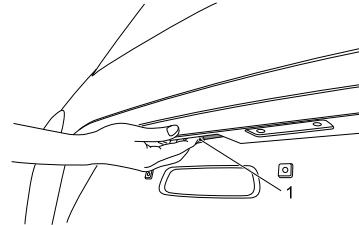


## **Lifting the tailgate**

### **Unlocking/opening from the outside**

When locking or unlocking all doors by use of the key, remote control or central locking control switch, the trunk door is locked or unlocked, either. If the trunk door is unlocked, it is possible to open it by pressing the handle switch (1) and pulling it upward.

**Note: The trunk door moves upward and opens. When opening the trunk door, make sure that no object or personnel is next to the rear part of the car.**



### **Closing/locking from the outside**

To close the trunk door, it is possible to lower the trunk door and press it down with a heavy force. Confirm that the trunk door is locked tightly.

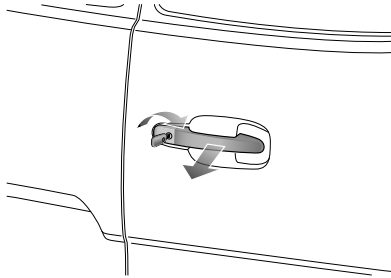
**Note: Prior to driving, confirm that the trunk door has been closed. Driving the car without the trunk door being closed may result in damage to the pneumatic lifter and other parts of the trunk door.**

# Before You Drive

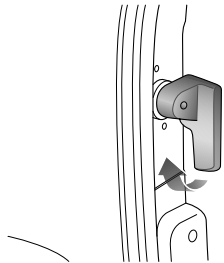
## Dual-leaf tailgate

### Unlocking/opening from the outside

When the door is under locking state, unlocking with a normal key screwed into the lock cylinder clockwise or using the remote key anticlockwise screwed into the lock cylinder or using the remote key when the door is closed, pulling the outer handle to check if the tailgate can be opened, it's locked if not.



Then pulling the unlocking handle of rear door on the left tailgate to open the left tailgate.



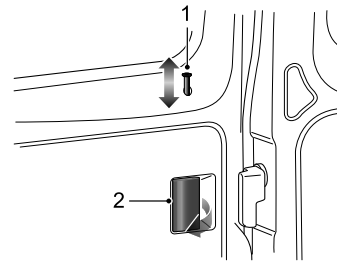
### Closing/locking from the outside

Close the left tailgate firstly when locking the tailgate from the outside. Then close the right tailgate by pushing the rear door unlocking handle on the left tailgate. Locking with a normal key anticlockwise screwed into the lock cylinder or using the remote key when the door is closed, pulling the outer handle to check if the tailgate can be opened, it's locked if not.

### Unlocking/locking from the inside

When unlocking from the inside and opening the tailgate, pulling the button (1) on the right tailgate or pushing the center unlocking button and pulling the door handle (2) to open the right tailgate. Then open the left tailgate by pulling the rear door unlocking handle on the left tailgate. When locking from the inside, closing the tailgate on both sides, pushing the button (1) on the right tailgate or pressing the center locking button.

Now only by using a normal key or pressing the center unlocking button when entering from the outside.



# Before You Drive

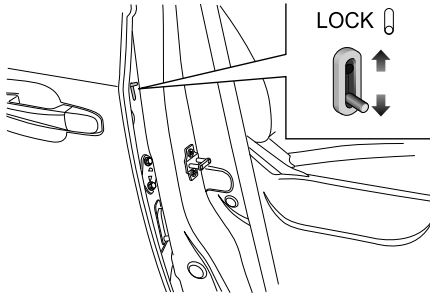
## Child safety door lock

**!** Where a child sits in the rear passenger seat, the doors should be locked by the child safety door locks.

Each side sliding door of your car is provided with a child safety door lock. These doors are used to prevent passenger, especially the child, from opening the side door due to careless pulling of the internal door handle.

### Caution

When the child safety lock is locked, do not pull the internal door handle with a heavy force. This practice will cause damage to the internal door handle.



To start the child safety door lock:

- 1 Open the side sliding door you want to lock.
- 2 Find the child safety lock control lever.
- 3 Pull the control lever down to the locking position.

### Caution

Each side sliding door is provided its respective lock. The child safety door lock of each side sliding door must be activated or deactivated by hand, regardless of the lock at right side or left side.

To open the side sliding door after the child safety door lock is activated, the door can be opened only by the external door handle. To deactivate the child safety door lock, it is necessary to push the control lever up to the unlocking position.

## Windows

**!** It is dangerous to leave the child, incapacitated adult or pet in the vehicle with the windows closed. They may suffer a permanent injury or even death due to the reason that their body cannot endure the excessive temperature or due to sunstroke. Particularly in warm or hot weather, and in the case when the window is closed tightly, please do not leave child, disabled adult or pet in the vehicle.

## Power windows

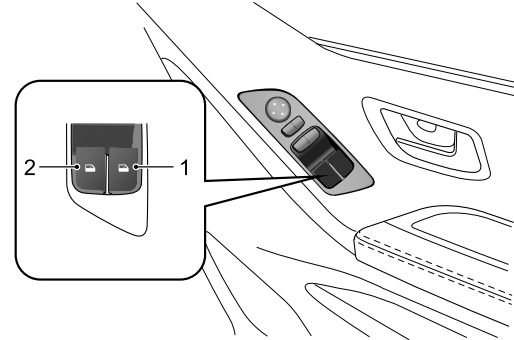
**!** Always take care when operating the power windows. There is injury risk, especially for the child.

**When the window is closed, close attention should be paid. It is required to ensure that nothing is blocked when the window is moving.**

### Driver's door window

There are 2 window switches on the driver's door. These two switches are respectively used to control the driver's door window and front occupant door window.

Press the front of the switch to open the window. Press the rear of the switch to close the window.



- 1 Driver's door window control switch
- 2 Front occupant door window control switch

### ***Automatic lifting function of the driver's door window***

Your vehicle may be equipped with one-touch up/down or one-touch down function. Button 1 has 2 levels: auto up/down and stroke up/down, so it can conveniently control the window glass up/down process. Depress the window press button up or down to the second position shortly, enabling the window to be up or down automatically.

### ***Recover the automatic lifting function***

If the automobile battery is wired again after it is disconnected, or the electricity of the battery is consumed up, or the anti-pinch action is made at the same position for 3 times in succession when the window is lifting up, the automatic lifting function may be failed, and must be recovered by learning again.

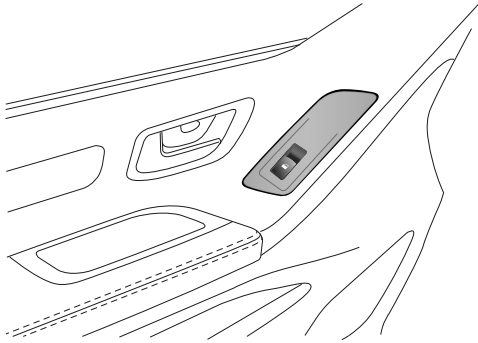
# Before You Drive

Close all windows and pull up the window lifting press button until the window is fully closed, and after that, continue to lift the switch upward for approx. several seconds; press the window lifting press button until the window is fully open, and after that, continue to press the switch for approx. several seconds, so that the automatic lifting function is recovered.

## Front occupant door window

There is only 1 window switch on the front occupant door for controlling front occupant door window only.

Press the front of the switch to open the window. Press the rear of the switch to close the window.

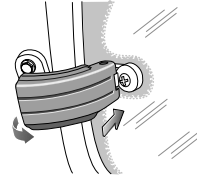


**Note:** The power windows will only operate when the ignition switch is turned to position "ON".

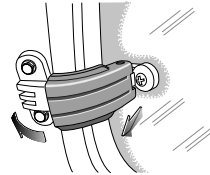
## Push-and-pull window

**⚠** When opening and closing the push-and-pull window, make sure that the hinge is locked tightly.

When opening the push-and-pull window, clench the hinge and unlock it in the anticlockwise direction, and then push the push-and-pull window outward by applying a force to the position near the hinge until the window is pulled to the desired position; after that, lock the hinge tightly in the clockwise direction.

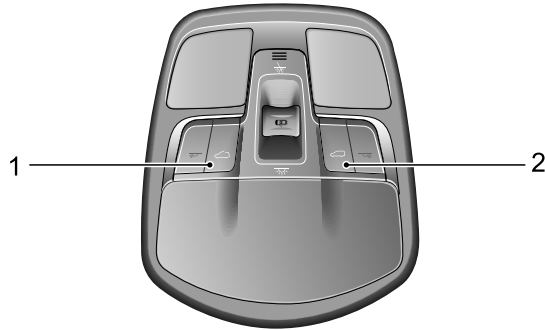


When closing the push-and-pull window, tightly clench the hinge and unlock it in the anticlockwise direction, and close the push-and-pull window by holding the hinge at the push-and-pull window end. After the window is closed, lock the hinge tightly in the clockwise direction.






## Power sunroof




### Opening

First pull the curtain back manually, and press the sunroof switch (1)  to open power sunroof and enable it to reach the ventilation position. Then, the sunroof slides to the full opening position by a short press on the switch.

During this operation, it is possible to press the sunroof switch to enable the glass to stop at the desired position.

### Closing


First pull the curtain back manually, and press the sunroof switch (2)  to close the power sunroof and enable it to slide to the ventilation position.

During this operation, it is possible to press the sunroof switch to enable the glass to stop at the desired position.

**Note:** If the sunroof is operating abnormally or has abnormal noise, close the sunroof. When the ignition switch is placed in ON position, long press the sunroof close switch (2) for about 6 seconds to complete the sunroof initialization.

**Note:** Operate the middle position of the pull plate to open the sunroof sunshade.

### Ventilation

This operation can be conducted only when the sunroof is fully closed. If desired to open the power sunroof to the ventilation position, press the sunroof switch (1)  to move the sunroof glass to the ventilation position. It is possible to slide the sunroof glass to the opening or closing position from the ventilation position.

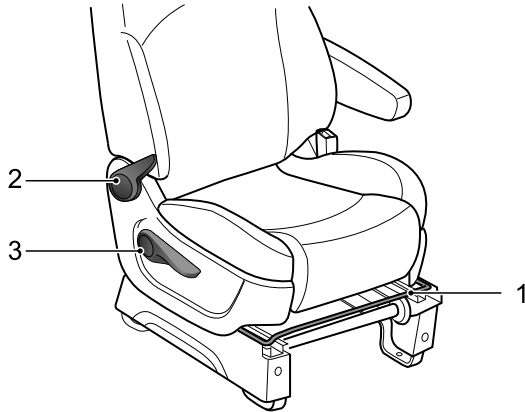
# Before You Drive

## Seats

*Note: The type of the seats equipped on your vehicle depends on the actual configuration of the vehicle your purchased.*

### Driver's seat adjustment

**!** Do not carry out driver's seat adjustment while the vehicle is moving. Otherwise the vehicle may be out of control and an accident may be caused.



### Sliding fore and aft

Lift the bar (1) and slide the seat to the desired position. Release the bar (1) and check that the seat is locked in position.

### Rake adjustment of backrest

**!** Do not recline the driver's seat excessively as the seat belt provides maximum protection when the angle between the seat and the upright position is near 25°.

Slightly recline forward and pull up the adjuster (2), the seat backrest will rebound automatically. Then lean against the seat back to adjust to the desired angle. Release the adjuster (2) and check that the seat back is locked in position.

### Height adjustment of seat cushion

The seat can be adjusted for height. Pulling up the lever (3) can raise the seat, and pressing the lever (3) can lower the seat. To adjust the seat significantly, it is required to pull up or press down the lever (3) continuously.

## Front occupant seat adjustment

### Single seat

Only the rake angle of backrest and the fore and aft sliding can be adjusted, the adjustment of which is the same as that of the driver's seat.

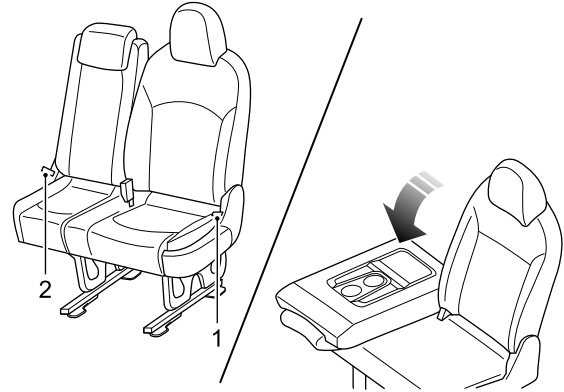
### Double seat

#### *Left Backrest Adjustment*

Slightly lean forward, and pull up the digging rope (1), and then the backrest of the seat will be automatically popped up. After that, lean against the backrest of the seat, and adjust it to the required angle. Loosen the digging rope (1) and confirm whether the backrest of the seat has been locked in place.

#### *Right Backrest Adjustment*

You'd better take off the right headrest, Pull up the digging rope (2), keep it still, and meanwhile, push the right backrest forward, to keep the backrest flat. After keeping the backrest flat, it can be used either as a handrail or as a cup holder.

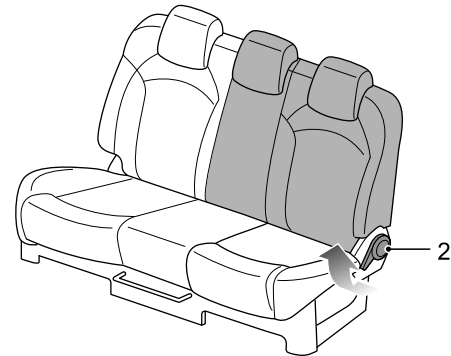
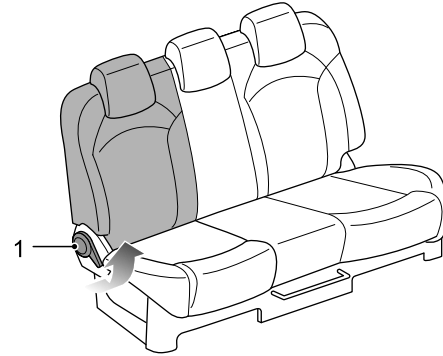
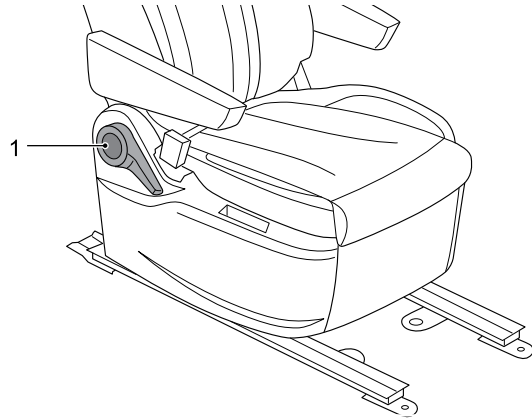


## Rear occupant seat adjustment

### Rake angle adjustment of seat back (if adjustable)

Slightly recline forward and pull up the adjuster (1)/(2). Then lean against the seat back to adjust to the desired angle. Release the adjuster (1)/(2) and check that the seat back is locked in position.

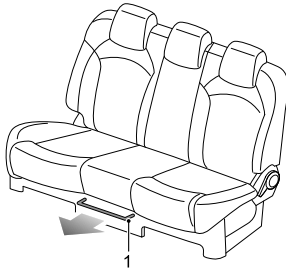
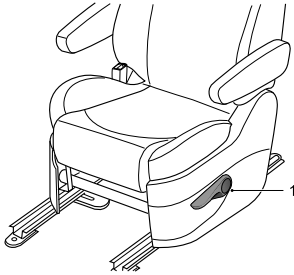
The rake angle adjuster of the right-hand single seat is provided at left side of the seat. The rake angle adjuster of the left-hand single seat is provided at right side of the seat. The rake angle adjuster of the three-seats is provided respectively at left/right side of the seat.



# Before You Drive

## Forward/backward adjustment of the seat (if adjustable)

The forward/backward angle adjuster of the right-hand seat is provided at right side of the seat. The forward/backward angle adjuster of the left-hand seat is provided at left side of the seat. The forward/backward angle adjuster of the three seats is provided at bottom of the seat. Pull up the adjuster (1), and pull it forward or push backward by your feet to adjust the seat forward/backward; and then, release the adjuster (1) and confirm whether the seat backrest is locked in place.



## Seat back folding adjustment (if adjustable)

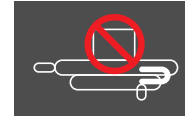
Pull the unlatching retractable belt (1) outward, and push the seat backrest forward at the same time to lay down the seat backrest.

Pull the unlocking retractable belt (1) outward, and pull the seat backrest backward to return it to upright position.

## Seat folding forward adjustment (if adjustable)

**!** Do not place luggage or other items on the folded backrest.

**Extreme risk of injury in the event of sudden braking or an accident.**

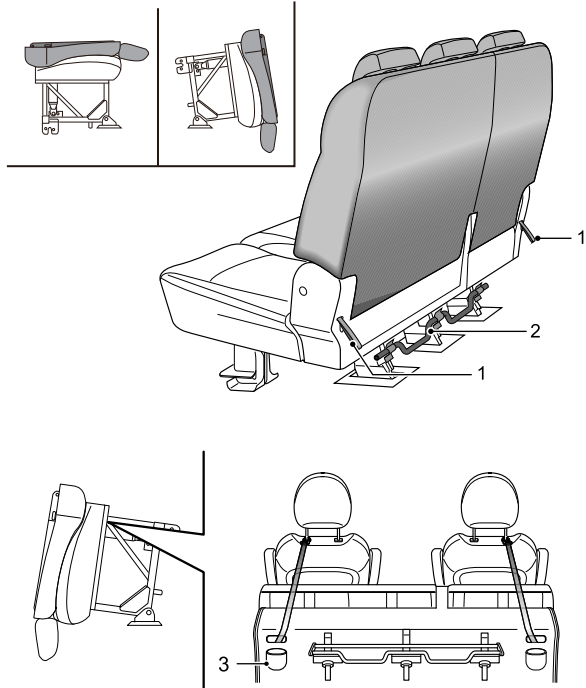


Move the front passenger seat to the foremost position, and adjust the headrest to the lowest position after the seat backrest is laid down; and then, pull up the unlatching lever (2) by hands, and push the seat forward at the same time to overturn the seat forward. Turn forward the seat. Take the safe rope out of the bag (3). Adjust the safe rope to a proper length. Attach the safe rope to the headrest rail of the front seat.

Remove the safe rope from the headrest rail of the front seat. Retract the safe rope, then put it in the bag (3). Pull up the unlatching lever (2) by hands, and push the seat backward at

# Before You Drive

the same time to enable the seat to return to the original position and condition.

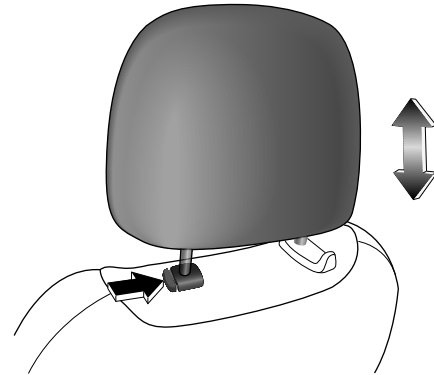


## Headrest

**!** To reduce the risk of neck or head injury, the headrest should be adjusted to support the back of the head and not the neck. Do not adjust the headrest while the vehicle is in motion.

Press the arrowed button to push down or pull up the headrest to adjust the headrest to the desired position.

When pulling to a proper position, the headrest can be pulled out.



## Occupant restraint system

### Sitting correctly

The seat and its occupant restraint system are designed to reduce personal injury to a minimum in the event of an accident. For optimum effectiveness, the following points should be observed.

- Do not position the seat nearer to the steering wheel than is necessary.
- Do not over-recline the seat. Adjust the rake of the backrest to no more than 30° so that you can sit in an upright position with your arms slightly bent, and the base of your spine as far back as possible.
- Your headrest should be so adjusted that its centre is level with the back of your head, not your neck.
- Diagonal belt should lie across the centre of your shoulder (adjust its height if necessary) while lap strap fits tightly across the hip, not the stomach.

## Seat belt



**Improperly worn or improper use of seat belts can cause serious injury or death. Seat belts are life saving equipment. In a collision, unrestrained occupants can be thrown around inside the vehicle or possibly thrown out, resulting in injury to themselves and also to other occupants.**

**Seat belts must be used at all times by the driver and adult (or adult sized children). Do NOT slacken the webbing by pulling the belt away from the body. To be fully effective, the webbing must remain tightly around the body at all times. Avoid wearing thick, bulky clothing.**

**Never use a seat belt for more than one adult, and never use it to secure an additional object or a child.**

**When wearing a seat belt, ensure that the webbing is not twisted or slack. Otherwise the smooth operation of the belt may be impeded. The buckle release button must face outwards.**

**Do not allow a baby or infant to be carried on the lap. The force of a crash can increase effective body weight, making it impossible to hold the child.**

**Do not allow foreign matter (particularly sugary food and drinks) to enter the seat belt buckles - such substances can render the buckles inoperative.**

## Before You Drive

**!** Always replace a seat belt assembly that has withstood the strain of a severe vehicle impact, or where the webbing shows signs of fraying, cuts, etc.

Pregnant women should ask their doctor for advice about the safest way to wear seat belts.

A seat belt must not be altered or modified in any way, since such changes may render the belt ineffective. Do not attempt to dismantle, repair or lubricate retractor or buckle mechanisms.

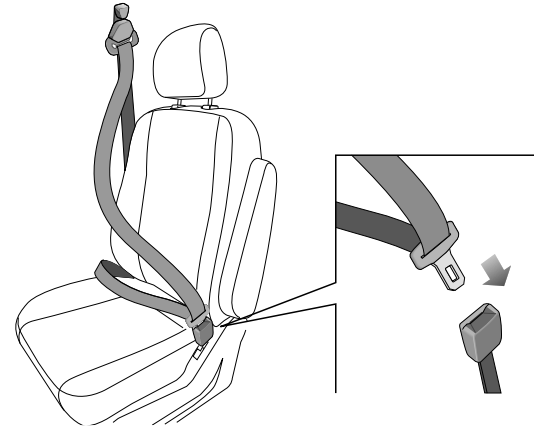
Always ensure correct stowage of belts when not in use.

This series provides diagonal belts and lap straps. The diagonal belts are divided into adjustable and unadjustable for height.

### Diagonal belts

**!** Insert the tongue into the buckle until a distinct "click" is heard, which indicates the belt is locked.


Pull the belt steadily from the reel. Position the belt over the shoulder and across the chest, and push the tongue into its buckle.



### Caution

It may lock if pulled sharply or if the vehicle is on a slope.

After the engine starts, the seat belt warning light will not go out unless the driver's seat belt is tied or correctly engaged.

**Note:** The **RED** Seat Belt Warning Light  on the information display will only go out if the driver's seat belt tongue and buckle are correctly engaged.



# Before You Drive

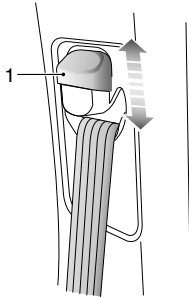
## Seat belt height adjustment

**!** Ensure that the sliding adjuster is secure after adjustment.

**Do not adjust the height of the driver's seat belt while driving, otherwise the vehicle may be out of control.**

Only the diagonal belts of driver's seat and front occupant seat are adjustable for height.

Squeeze the button (1) with both hands and slide the top sliding adjuster of the seat belt up or down to suit the height of the occupant. Release the button (1) at the proper position.

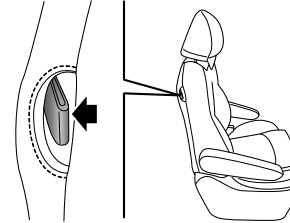


## Safety belt comfort adjusting ring

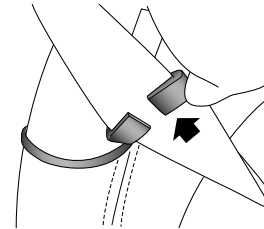
The 2nd row seats or your vehicle may be equipped with safety belt comfort adjusting ring. As for the tall child who grows up and can't use child protection device and the little adult, this device provides additional comfortable sensation for them while

using safety belt. The comfort adjusting ring is installed on the shoulder belt, which enables the shoulder belt to be away from the neck and head.

Take out the comfort adjusting ring from the pocket at the back of seat.

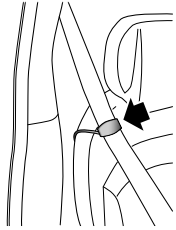


Put the comfort adjusting ring on the shoulder belt, and then plug the both sides of the safety belt to the slotting of the comfort adjusting ring.



Guarantee the safety belt to be smooth-going and the comfort adjusting ring must be over the safety belt.

## Before You Drive



Locking safety belt, see “Diagonal belts”.

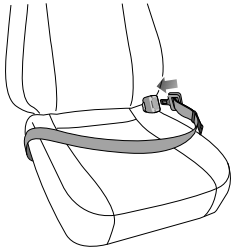
To withdraw the comfort adjusting ring, fold longitudinally the locality of seat belt, then pull it out of the ring, finally replace the ring into the pocket at the back of seat.

### Lap straps

**!** Insert the tongue into the buckle until a distinct “click” is heard, which indicates the belt is locked.

Fasten the seat belt and push the latch into the buckle.

To release, press down the red button on the buckle.

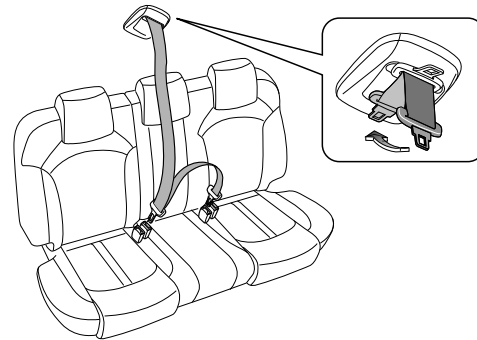


### Ceiling-mounted seat belt

Pull out of the seat belt from the ceiling, and push the latch into the left buckle, and enable the movable latch to cross your belly and push it into the right buckle.

To release the belt, it is possible to press the red button on the buckle from right to left.

**Note:** After the seat belt retracts back into the ceiling, the latch can be hold by the magnet provided in the ceiling.



## Air bag(s)



No safety system can provide complete protection against personal injury or death in a severe crash. Injuries or death may occur, even if seat belts are worn properly and the air bags have inflated.

After inflation some components of air bag are hot, Do NOT touch until they get cooled.

An air bag inflates with considerable force and may cause facial abrasion and other injuries. These effects can be minimized by ensuring that you and your passenger(s) are wearing seat belts.

The driver's seat should be adjusted rearwards as far as possible while maintaining proper control of the vehicle.

Always hold the steering wheel by its rim, so that the air bag can inflate without obstruction.

Never attach accessory items (e.g. a mobile phone bracket, cup holder, cassette tray etc.) or stick anything to an air bag module cover on the steering wheel cover or the dashboard. Otherwise it would interfere with inflation of the air bag, or if the air bag inflates, these items will be propelled anywhere, which will cause injury to occupants.

Do not attempt to remove or pierce the steering wheel, or hit it violently.



Do not allow a passenger to obstruct the deployment of the air bag by putting feet, knees etc. in contact with, or in close proximity to the air bag module cover on the dashboard.

The seat belt works together with the air bag to reduce the risk of injury in the event of a head-on collision.

Do not allow another person, animal or object to occupy the space between the driver and the deploying range of the air bag. The same applies on the passenger side if an air bag is fitted.

Do not attempt to repair the steering wheel, steering column, any air bag system, or air bag components with wiring around. Otherwise it may cause inadvertent activation of the system resulting in personal injury.

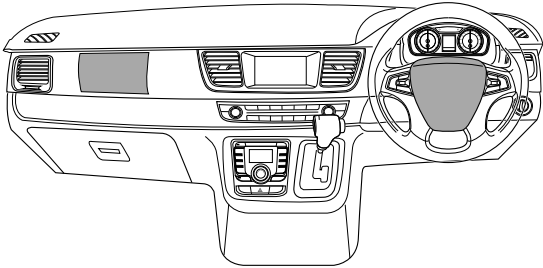
Do not modify the front of the vehicle in any way as this could adversely affect air bag deployment.

If the vehicle is to be scrapped, undeployed air bags are potentially dangerous and should be deployed in a controlled environment. This operation must be done by professional staff.

This model can be equipped with driver's air bag and front occupant air bag.

## Before You Drive


**Note:** Air bags are designed to be a supplementary restraint system; seat belts remain the primary restraint and must be worn at all times.



### Caution

- When an air bag is triggered, a loud noise may be heard and a small amount of smoke-like gas and dust will be released. This smoke does not constitute a health hazard. The dust may be an irritant to the skin and therefore should be washed off with soap and water.
- For safety reasons you are recommended to have the air bag(s) replaced by our Service Dealer every 12 years. If the vehicle is sold, its owner is obliged to notify the purchaser of the cautions and warnings listed. This obligation is met by handing over these instructions (See Warranty & Service Handbook) to the new owner.

### Check of air bag

 If the warning light does not come on, or does not go out after 6 seconds, or comes on during a journey when the ignition is switched on, it indicates that there is a fault with air bag system. You should contact our Service Dealer for repair as soon as possible.



As a system check, the RED Air Bag Warning Light on the information display will flash for around 6 seconds each time the ignition switch is turned to position "ON".

### Air bag deployment

In case of crash, air bag control unit will detect deceleration or acceleration caused by crash to determine air bag deployment.

Air bag will work based on the crash object, direction and vehicle deceleration rather than vehicle speed. Damage severity of vehicle shall not be considered as the judgment of air bag deployment.

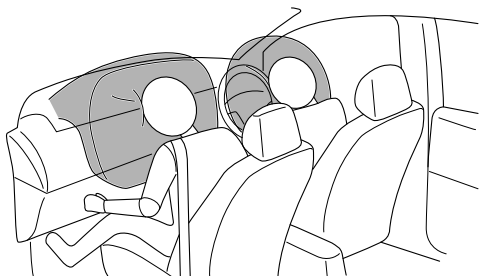
Air bag will deploy instantaneously and powerfully with loud noise. The deployed air bag and seat belt restraint system could restrain driver and passenger from moving, reducing the risk of injury to the head and body.

Upon deployment, the air bag will shrink immediately to ensure the driver could look forward without block.

## Before You Drive

**Note:** *Never touch the hot air bag components after deployment until such components get cooled.*

- Schematic diagram for deployment area of driver and front occupant airbags



### Replace air bag system components after collision accident

**!** The air bag system could be damaged due to the collision accident thus cannot operate normally to protect you and passengers in future accidents. This will result in serious injury even death. To ensure the air bag system remains valid after the collision accident, consult our Service Dealer to make necessary replacement of components.

Once the air bag inflates, it is required to replace the components of the air bag system. For purpose of inspection, contact our Service Dealer for repair as soon as possible.

### Child restraint (not supplied with the vehicle)

**!** **Warning:** Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seatbelts, harnesses, or for attaching other items or equipment to the vehicle.

**Extreme Hazard!** Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

**DEATH or SERIOUS INJURY** can occur.

Children under 12 years old can be killed by the air bag. **NEVER** use child or infant restraint that faces backward on the front seat and the expanded air bag will cause serious injury to the child or infant and even death. Sit as far back as possible from the air bag.



**When fitting and using an infant or child restraint, always follow the manufacturer's instructions.**

## Before You Drive

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The child is much easier to be injured by the expanded air bag than an adult. Therefore, child under 12 years old is suggested taking the rear seat. Usually, infants under 2 years old shall use infant restraint and children under 2-4 years old shall use child restraint. Infant or child restraint is available in the market.

There are many specifications and models for infant or child restraint, and to realize best protection, you are suggested selecting proper restraint in accordance with the age and weight of the infant or child. At the same time, you should check whether the restraint is suitable for your vehicle as well.

### **Installation of a Child Restraint System Using Top Tether Attachment**

Both seating positions in the second row are fitted with an Upper Child Restraint Attachment and ISOFIX Lower Anchorages (located to the left and right side of the rear of the seat cushion). Besides, the Australia 9 seats vehicles, the third row seats are fitted with three anchorages too. The Upper Child Restraint Attachment is located at the rear of seat, under the seat base. To fasten the upper tether part of the restraint system to the attachment, lift the headrest and route the tether strap over the seat back and between the headrest support bars and attach to the attachment hook being careful not to twist the strap.

If your child restraint seat does not come with ISOFIX lower anchorages, the lower part of the child restraint shall be secured with the seat belt as per the child restraint instructions.

### ***Installation of the child seat Using ISOFIX Lower Anchorages***

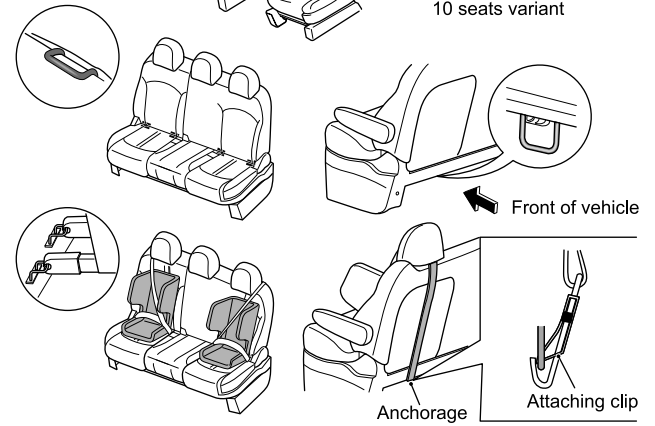
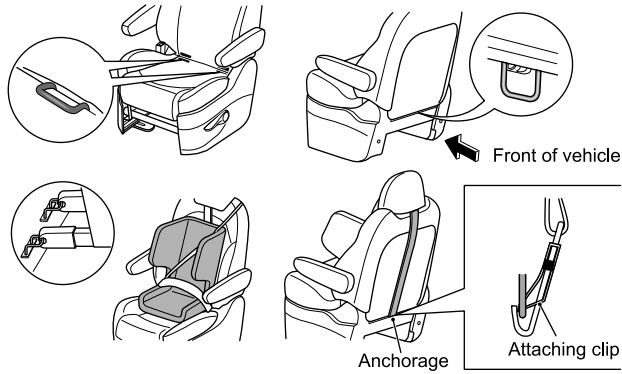
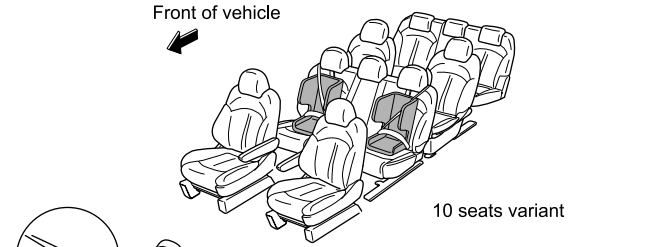
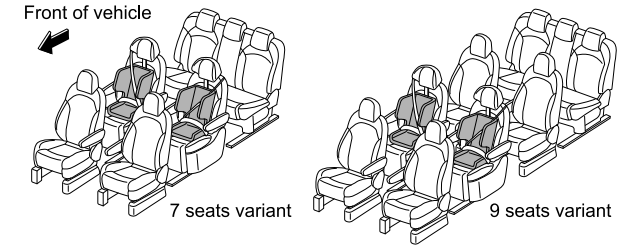
- Insert the child seat into the ISOFIX anchoring ring until the child seat is firmly meshed and a "click" sound is heard indicating that it is installed in place.
- When the ISOFIX is connected well, it is necessary to press the child seat with a force equivalent to your body and tension the ISOFIX connecting strap to fasten the seat securely onto the car.

#### **Caution**

It is preferable to fit the infant or child restraint on the rear seat. In the case that the infant or child restraint shall be positioned on the front seat while the vehicle is in motion, infant or child restraint must face forward. No matter what location, ensure secure the infant or child restraint properly. Note that unsecured infant or child restraint may move and run into other passengers when any crash or heavy braking occurs. Even if there is no infant or child, any infant or child restraint shall be properly secured in the vehicle.

# Before You Drive

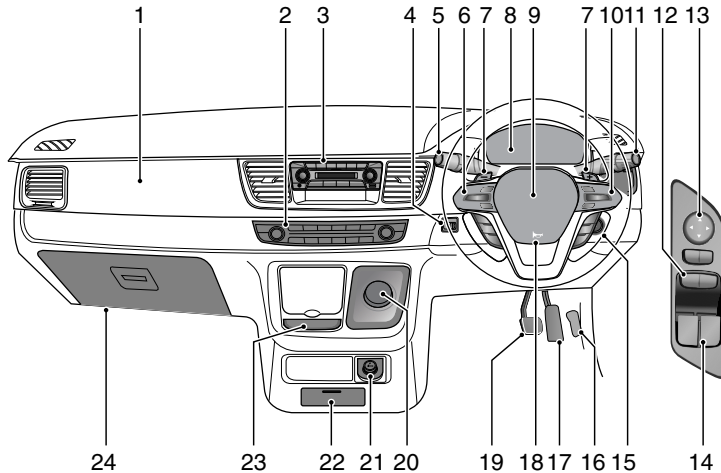
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# Before You Drive

## Instruments and controls

### Type 1

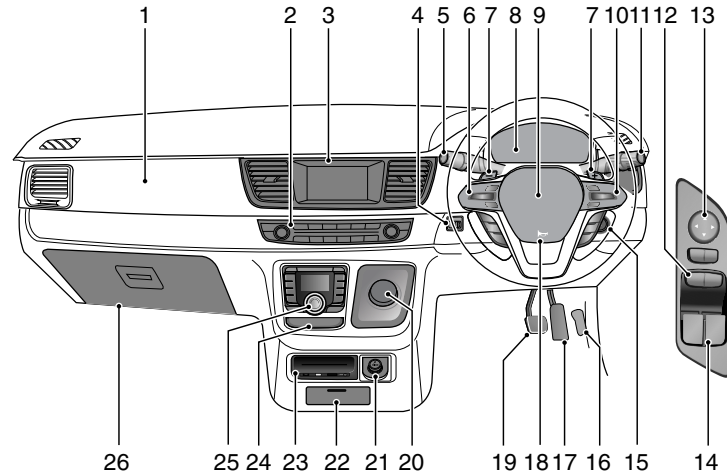


- 1 Front occupant air bag
- 2 Front A/C control panel
- 3 Entertainment system
- 4 Dashboard lighting control, headlamp leveling switch
- 5 Wiper and washer stalk switch
- 6 Instrument cluster selection and cruise switch
- 7 Manual shift paddle
- 8 Instrument cluster
- 9 Driver's air bag
- 10 Voice control and bluetooth phone switch
- 11 Lighting and turn signal indicator lamp lever switch
- 12 Central door locking switch
- 13 Outside rear view mirror power adjusting switch
- 14 Driver, front occupant door window control switch
- 15 Ignition switch
- 16 Engine hood release handle
- 17 Accelerator pedal
- 18 Horn button
- 19 Brake pedal
- 20 Shift knob / Gear lever
- 21 Cigarette lighter
- 22 Cup holder
- 23 Multifunction switch block
- 24 Glove box



# Before You Drive

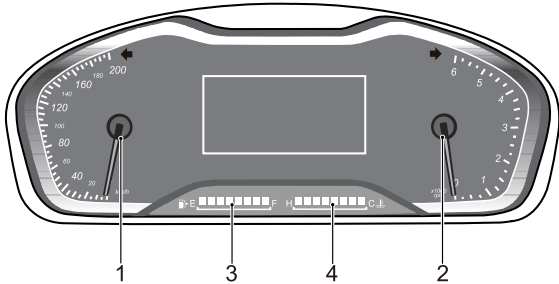
## Type 2



- 1 Front occupant air bag
- 2 Entertainment system panel function key / Front A/C control panel
- 3 Entertainment system
- 4 Dashboard lighting control, headlamp leveling switch
- 5 Wiper and washer stalk switch
- 6 Instrument cluster selection and cruise switch
- 7 Manual shift paddle
- 8 Instrument cluster
- 9 Driver's air bag
- 10 Voice control and bluetooth phone switch
- 11 Lighting and turn signal indicator lamp lever switch
- 12 Central door locking switch
- 13 Outside rear view mirror power adjusting switch
- 14 Driver, front occupant door window control switch
- 15 Ignition switch
- 16 Engine hood release handle
- 17 Accelerator pedal
- 18 Horn button
- 19 Brake pedal
- 20 Shift knob / Gear lever
- 21 Cigarette lighter
- 22 Cup holder
- 23 Entertainment system host function key
- 24 Multifunction switch block
- 25 Front A/C control panel / Central console box
- 26 Glove box

# Before You Drive

## Instrument cluster



- 1 Speedometer
- 2 Tachometer
- 3 Fuel gauge
- 4 Engine coolant temperature gauge

### Caution

Don't place any object in front of the instrument cluster to avoid shielding dial and warning light.

## Speedometer

The speedometer indicates the current road speed in kilometers per hour.

## Tachometer

The tachometer indicates the engine speed in revolutions per minute (x1000).

### Caution

Never allow the pointer to remain in the red sector of the gauge for prolonged periods, otherwise the engine may be damaged.

## Fuel gauge

Indicates the approximate amount of fuel in the tank. If the "low fuel level warning light (yellow)" stays on or illuminates, please refuel as soon as possible.

## Engine coolant temperature gauge

Indicates the approximate engine coolant temperature. If the coolant overheats, the "engine coolant temperature warning light (red)" will illuminate. For vehicles with low coolant level warning function, when the coolant level is too low, the red warning lamp will come on, accompanied with an audible alarm. Please stop the vehicle as soon as possible when the safety permits, turn off the engine and contact Service Dealer to check the engine cooling system.

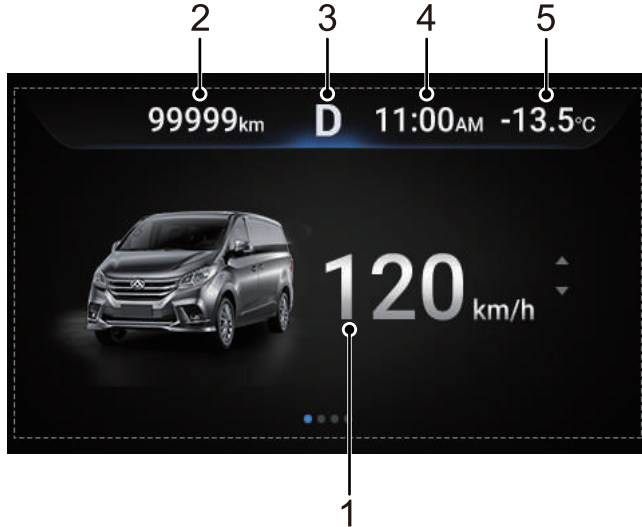
### Caution

If the red warning light illuminates, stop the engine as soon as possible to cool the coolant. Check the engine cooling system.

# Before You Drive

## Message center

The message center display is located in the center of the instrument cluster.



- 1 Trip computer interface
- 2 Total mileage
- 3 Gear display
- 4 Current time
- 5 Outdoor temperature

Short press the ◀ or ▶ button on the instrument cluster selection



switch on steering wheel to switch between the following interface contents: trip computer interface → navigation map interface (if equipped) → multi-media interface (if equipped) → Bluetooth telephone interface (if equipped) → Settings menu main interface → fault query interface (in case of failure) → trip computer interface.

## Trip computer interface

Short press the ▲ or ▼ button on the instrument cluster



selection switch on steering wheel to switch between the following interface contents:

- Instantaneous speed  
Displays the current speed.
- Instantaneous fuel consumption  
Displays the current instantaneous fuel consumption when the engine is working.
- Driving range  
Displays the estimated mileage that the vehicle can run before the fuel tank is empty. After refueling, the mileage will be updated accordingly. When the fuel level is low, "fuel insufficient" will be displayed.
- Since start (if equipped)

# Before You Drive

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Displays the trip, average speed, driving time and average fuel consumption since the ignition switch is turned on.

- Since reset (if equipped)

Displays the trip, average speed, driving time and average fuel consumption since the last reset.

Long press the OK button in this interface to reset the trip, average speed, driving time and average fuel consumption.

- Tire pressure monitoring (if equipped)

In normal mode, it displays the current tire pressure in real time.

**Note: For vehicles equipped with the tire pressure monitoring system, after tires are inflated or deflated in stationary state, the tire pressure information display value will be automatically updated on the instrument cluster when the inflating or deflating pressure is greater than 8kPa.**

- Battery voltage

Displays the current battery voltage value.

- Remaining maintenance mileage

This message reminds you of the remaining mileage of your vehicle before the next maintenance.

## Navigation map interface (if equipped)

Displays the current navigation message.

## Multi-media interface (if equipped)

Displays the message of the current music/radio program.

## Bluetooth telephone interface (if equipped)

Displays the communication interface message.

## Settings menu main interface

Short press the  or  button on the instrument cluster



selection switch on steering wheel to switch between the following interface contents:

- Backlight brightness (if equipped)

In accordance with the current mode (day mode and night mode), the display brightness of instrument cluster can be set as high, medium and low.

- Language settings (if equipped)

The desired language can be set according to the actual configuration.

- Time settings (if equipped)

The time on instrument cluster can be adjusted.

- Time format settings (if equipped)

The instrument cluster can be set to have 12-hour and 24-hour time display modes.

- Overspeed alarm (if equipped)

The operation of enabling or disabling the overspeed alarm can be set. When the overspeed alarm is enabled, the speed value activating the overspeed alarm can be adjusted.

- Theme settings

You may enter the theme settings interface to set the instrument state as Comfort and Sport.

## Fault query interface

The relevant fault messages for vehicle warning can be queried on this interface.

## Alarm messages

Most of alarm messages will have a corresponding graphic and text description in the instrument cluster. When the message is displayed, the alarm indicator will also illuminate.

If more than one alarm message is activated, the alarm messages will be displayed in cycle in order of priority; each message will be displayed for 3 seconds.

The alarm message has a greater priority than the trip computer information. After the ignition switch is turned on, the alarm message will be displayed first.

Please operate in strict accordance with the instructions in the alarm message. If there are relevant instructions, please stop the vehicle for inspection or consult our Service Dealer.

## Important alarm messages

The currently displayed important alarm message can be temporarily shielded by short pressing the OK button on steering wheel or automatically shielded after 9s. If the alarm is not lifted, it can also be viewed in the alarm query interface.

If all the alarm messages are shielded, the trip computer information will be displayed normally.

When the conditions of alarm activation are canceled, the corresponding alarm messages are also canceled to display.

## Indicative messages

Indicative messages disappear automatically after 3 seconds.

Caution
Don't neglect the alarm messages, otherwise it may cause serious damage to the vehicle. If the alarm indicator is on, please stop the vehicle as soon as possible if it is safe to do so.

# Before You Drive

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## Service interface reminders

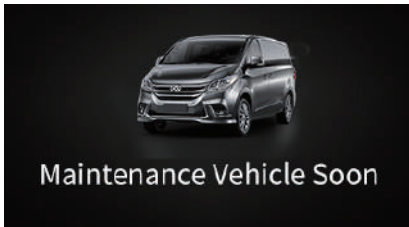
### ***Next maintenance reminder***

This message reminds you of the remaining mileage of your vehicle before the next maintenance.



### ***Imminent maintenance reminder***

When the following imminent maintenance reminder appears in the message center, please go to our Service Dealer for maintenance as soon as possible.



### ***Service Now reminder***

When the following Service Now reminder appears in the message center, please go to our Service Dealer for maintenance as soon as possible.



### ***Maintenance overdue reminder***

When the following maintenance overdue reminder appears in the message center, please go to our Service Dealer for maintenance immediately.




# Before You Drive

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## Tire pressure monitoring system

The tire pressure monitoring system automatically monitors the tire conditions in real time, providing effective safety guarantee for driving.

When the tire pressure is insufficient, too high, or the tire leaks quickly or the system fails in the course of driving, the "TPMS

warning light (yellow)"  on the instrument cluster will illuminate with audible alarm, and the instrument display will show the corresponding alarm interface.

## Warning lights and indicators

### Turn signal indicator lamp



During steering, the GREEN Turn Signal Indicator Lamp at left or right side flashes. Both lamps will flash when the hazard warning switch is turned on.

**Note:** *If a turn signal indicator lamp flashes rapidly, it indicates that there is a fault with this side turn signal bulb.*

### Position lamp indicator



The GREEN Position Lamp Indicator will come on when position lamp illuminates.

### Headlamp high beam indicator



The BLUE Headlamp High Beam Indicator will glow when the headlamps are on high beam or flash on.

### Front fog light indicator



This GREEN Front Fog Light Indicator illuminates when the front fog lights are on.

# Before You Drive

## Rear fog light indicator



This AMBER Rear Fog Light Indicator illuminates when the front fog lights are on.

## Fuel filter water level warning light



The AMBER Fuel Filter Level Warning Light will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after one second.

### Caution

If the light comes on during a journey, stop the vehicle as soon as it is safe to do so and drain water from the trap in the fuel filter. See "Water draining of fuel filter".

## Glow plug indicator



The AMBER Glow Plug Indicator will come on when the ignition switch is turned to position "ON". After a pre-determined time the light will go out to indicate that the engine is ready to be started.

### Caution

See a Service Dealer for repair if the light remains on after the engine has started.

## Air bag warning light



As a system check, the RED Air Bag Warning Light will flash for several seconds when the ignition switch is turned to position "ON".

If the light fails to come on or flash, or fails to go out, or if it comes on or flash while driving, it means that there is a malfunction in the system. You should contact our Service Dealer for repair as soon as possible.

For further information on the air bags, see "Air bag(s)".

## Seat belt warning light



The RED Seat Belt Warning Light will come on when the ignition switch is turned to position "ON" and when the driver's seat belt is incorrectly fastened. When the vehicle speed exceeds 20km/h, the audible warning of seat belt not fastened will also sound and the RED Seat Belt Warning Light will flash. The RED Seat Belt Warning Light will go out and the audible warning will extinguish when the seat belt is correctly fastened.

## TPMS warning light



When the ignition switch is turned to position "ON", the AMBER TPMS Warning Light will come on for several



seconds after the successful establishment of communication between the instrument cluster and the TPMS. When there is a malfunction in the system, the AMBER TPMS Warning Light will come on. You should contact our Service Dealer for repair as soon as possible.

### Battery charging indicator light



The RED Battery Charging Indicator Light will come on when the ignition switch is turned to position "ON" and will go out when the engine is started.

#### Caution

If the light fails to go out when the engine is started, or if it comes on while driving, it indicates that there is a fault with charging system. You should contact our Service Dealer for repair as soon as possible.

### EBD (Electronic Brake Distribution) warning light



The RED EBD Warning Light will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after several seconds.

If the light fails to go out, or if it comes on while driving, it indicates that there is a fault with brake system. You should contact our Service Dealer for repair as soon as possible.

### ABS (Anti-lock Braking System) warning light



The AMBER ABS Warning Light will come on to initiate a system check when the ignition switch is turned to position "ON", and will go out after several seconds.

If the warning light fails to go out or illuminates again while driving, it indicates that there is a fault in the ABS. You should contact our Service Dealer for repair as soon as possible.

**Note: The brake system can be used even if ABS is faulty (ABS failure). See "Brake system" for important information about ABS.**

### Brake system warning light



The RED Brake System Warning Light will come on when the ignition switch is turned to position "ON" and the handbrake is lifted up and will go out immediately when the handbrake is fully released.

When the brake fluid level is lower than the normal range, the RED Brake System Warning Light will go on.

If the light fails to go out when the handbrake is released, it indicates that there is a fault with the brake system. You should stop the vehicle and contact our Service Dealer as soon as possible.

# Before You Drive

## ESP (Electronic Stability Program) indicator



The AMBER ESP Indicator will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after several seconds.

When the ESP operates, the AMBER ESP Indicator will flash.

If the warning light stays on, it indicates that there is a fault in the ESP. You should contact our Service Dealer for repair as soon as possible. See "Brake system" for important information about ESP.

## ESP (Electronic Stability Program) OFF indicator



The AMBER ESP OFF Indicator will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after several seconds.

When press the ESP OFF switch to shut down the ESP, the AMBER ESP OFF Indicator will come on.

## Exhaust fault indicator light



The AMBER Exhaust Fault Indicator light will come on when the ignition switch is turned to the position "ON" and will go out when the engine is started. If the warning light goes on, it indicates that the engine performance and the exhaust system are failed. You should contact our Service Dealer for

repair as soon as possible avoiding high engine speeds or high acceleration.

## Engine MIL



The AMBER engine MIL will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after around several seconds.

If the light fails to go out when the engine is started, or if it comes on or flashes while driving, there is a fault with engine control system, contact our Service Dealer immediately.

## Oil pressure warning light



The RED Oil Pressure Warning Light will come on when the ignition switch is turned to position "ON" and will go out when the engine is started.

If the warning light is not extinguished after startup of the engine or goes on during driving, the engine must be flamed out immediately and it is required to check fuel level. See "Engine oil".

### Caution

Do NOT restart the engine even if the oil level is normal and contact our Service Dealer for repair as soon as possible.

## Cruise control indicator



The GREEN Cruise Control Indicator will come on during cruise system operation.

## AFS (Adaptive Front-lighting System) warning light



The AMBER AFS Warning Light will come on to initiate a system check when the ignition switch is turned to position "ON" and will go out after several seconds.

If the warning light fails to go out or illuminates again while driving, it indicates that there is a fault in the AFS. You should contact our Service Dealer for repair as soon as possible.

## Service maintenance reminder indicator light



When the car reaches the specified maintenance distance, the AMBER Service Maintenance Reminder Indicator Light goes on, and it is required to contact our Service Dealer to carry out maintenance and care of your car.

## Engine anti-theft warning light



When the ignition switch is turned to "ON" position and if the engine immobilisation system is validated successfully, the

AMBER Engine Anti-theft Warning Light is dim and the engine can be started.

If the AMBER Engine Anti-theft Warning light flashes, it indicates that there is a fault with the engine immobilisation system. The engine will be unable to start and you should contact our Service Dealer for repair immediately.

## Body anti-theft warning light



When the car is in protection condition, the RED Body Anti-theft Warning Light flashes.

When the car protection is deactivated, the RED Body Anti-theft Warning Light is off.

If the anti-theft alarm is triggered, the RED Body Anti-theft Warning Light flashes, and produces sound and light alarm.

## DPF (Diesel Particulate Filter) warning light



When the ignition switch is turned to "ON" position and if the AMBER DPF Warning Lamp is always on, Level 1 alarm of the diesel particulate filter is prompted, indicating that the DPF tends to be overloaded. Drive the vehicle at high speed (vehicle speed more than 60 km/h) for about 20 minutes when safe and legal, or stop it in a safe environment and press the DPF one-touch regeneration switch for regeneration in situ; when the DPF warning lamp flashes, Level 2 alarm of the diesel particulate filter is prompted, indicating that the particulate filter is clogged

## Before You Drive

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and automatic regeneration cannot be performed. Please stop the vehicle in a safe environment and press the DPF one-touch regeneration switch in the armrest box for regeneration in situ. See "Catalytic converter" for details.

### Auto start/stop system indicator lamp


**Note:** *It is applicable to the vehicles equipped with auto stop/start system.*




With the ignition switch placed in "ON" position, turn on the start/stop system, when the start/stop conditions are not met, the WHITE Auto Start/Stop System

Indicator Lamp  illuminates.

With the ignition switch placed in "ON" position, turn on the start/stop system, when the engine automatically stops, the

GREEN Auto Start/Stop System Indicator Lamp  illuminates.

With the ignition switch placed in ON position, turn on the start/stop system, when the start/stop system has a malfunction,

the AMBER Auto Start/Stop System Indicator Lamp  illuminates.

Please see "Auto start/stop system" for more information.

### EPS (Electric Power Steering) system failure warning lamp

**Note:** *It is applicable to the vehicle equipped with electric power steering system.*

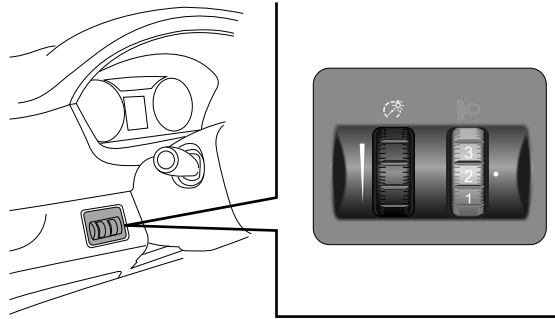



With the ignition switch placed in "ON" position, the RED EPS System Failure Warning Lamp illuminates, it indicates that the EPS system has a malfunction, please stop the vehicle immediately, and contact our Service Dealer for service as soon as possible.


## Instrument desk switches

### Dashboard lighting control switch

The dashboard lighting control switch is positioned on the driver side dashboard, and at inside of the steering wheel.



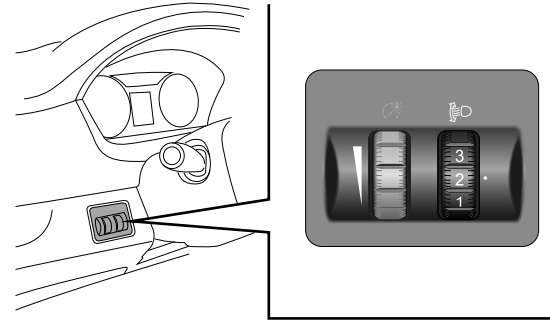
The dashboard lighting control thumbwheel switch  is used to adjust the dashboard lighting brightness.

Move up and down the thumbwheel switch  to dim the lighting light.

### Headlamp leveling switch

When the dipped beam is on, this thumb-wheel switch allows you to adjust the headlamp beam angle, to compensate for varying vehicle loads and minimize dazzling on coming traffic.

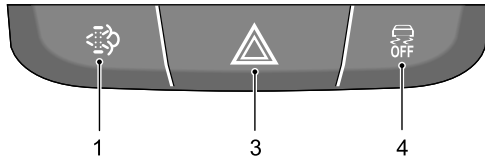
0 position is the original position. As the vehicle loads increase, adjust the illuminating height according to the sequence of 1-2-3.



# Before You Drive

## Multifunction switch block

### Type 1

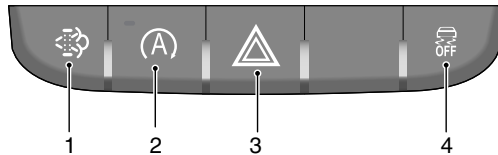


- 1 DPF one-touch regeneration switch
- 2 Engine auto start/stop system switch
- 3 Hazard warning light switch
- 4 ESP OFF switch

### ***DPF one-touch regeneration switch***

When the "DPF warning light (yellow)" on the instrument cluster is always ON or flashes, park the vehicle in an open and ventilated area to make sure there is no any flammable material (such as dry grass, oils, etc.) around. Stop the vehicle, with the manual transmission model in neutral gear (automatic transmission model in P gear), enable the parking brake, and turn off the ignition switch for two minutes; start the vehicle, and press the switch (1) for 2 seconds, then release it, so the regeneration starts. See "Catalytic converter" for details.

### Type 2



### ***Engine atuo start/stop system switch***

With the ignition switch placed in ON position, the engine intelligent start/stop system will be turned on by default while the indicator lamp in the switch will light up. Press the switch (2) to go out its indicator lamp and turn off the engine intelligent start/stop system; re-press the switch to turn on the system. For more information, please see "Auto start/stop system".

## Before You Drive

### ***Hazard warning light switch***

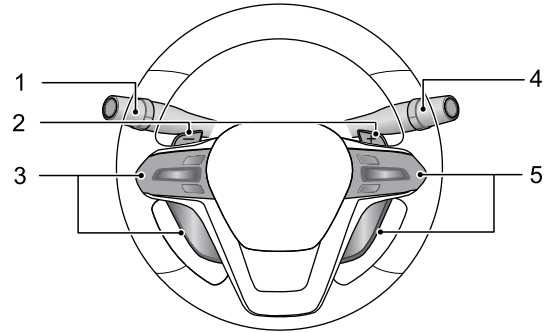
Press the switch (3) to activate all turn signals simultaneously; the GREEN Turn Signal Indicator Lamp in the instrument cluster will illuminate and flash. Press again to switch off.

**Note:** *The hazard warning light should only be used in an emergency, to warn other traffic of a breakdown, approaching danger etc.*

### ***ESP OFF switch***

It is possible to press the switch ( 4 ) to turn off the ESP system, and then press it again to start the ESP system.

### **Switches on steering column and steering wheel**



- 1 Wiper and washer stalk switch
- 2 Manual shift paddle
- 3 Instrument cluster selection and cruise switch
- 4 Lighting and turn signal indicator lamp lever switch
- 5 Voice control and bluetooth phone switch

## Before You Drive

### Ignition switch and steering lock

Pull out the key. Then the steering lock will be activated to prevent the steering wheel from rotating.



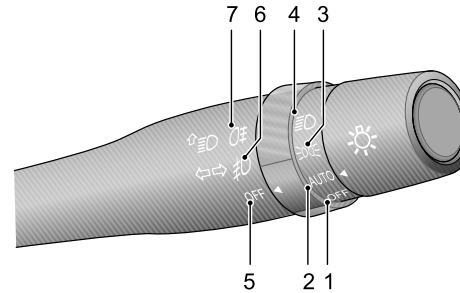
To remove the key from the ignition switch, turn it counterclockwise to position "ACC". Then press the key in towards the ignition switch and continue to turn counterclockwise to position 'LOCK'. The key can now be removed.

**Note:** If the key is not removed from the ignition switch, an audible warning will sound when the driver's door is opened.

For further information about ignition switch position, see "Ignition switch".

### Lighting and turn signal indicator lamp lever switch

#### Light control switch



Rotate the light control switch to the positions shown, and the corresponding light illuminates.

Position 1 -OFF: headlights off.

Position 2 -AUTO: Headlamp automatic adjustment. When the headlamp switch is placed in AUTO position, headlamps will illuminate/go off according to the lighting brightness of ambient environment.


**Note:** Initial position of headlamp switch is suggested to AUTO position.

Position 3 -ON: position lights on. When turning on the position lights, the following lights illuminate:








# Before You Drive






- Position lights
- License plate lights
- Dashboard lights

Position 4 : headlights on.

**Note: Headlights will only operate when the ignition switch is in position 'ON'. If headlights are on when the vehicle is parked, the battery will discharge and the engine may be unable to restart due to battery lack of power. An audible warning will sound if the headlight switch is on when the ignition switch is turned to position 'LOCK' or when the key is removed.**

Position 5 -OFF: fog lights off.

Position 6 : front fog lights on. When the ignition switch is in position 'ON' and the light control switch is in  or  position, rotating the switch to  position will turn the front fog lights on. When the light control switch is in position AUTO, rotate the switch to  position, the front fog lights will illuminate or go out along with the headlights according to ambient lighting. When the front fog lights are turned on, the "front fog light indicator (green)" on the instrument cluster illuminates.

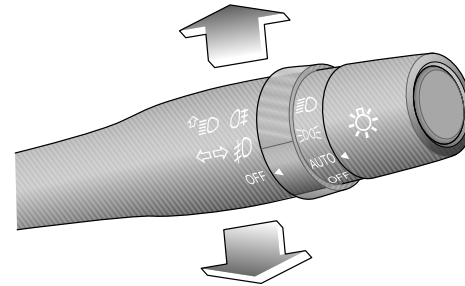
Position 7 : rear fog lights on. When the ignition switch is in position 'ON' and the light control switch is in  or  position, rotating the switch to  position will turn the rear fog lights on. When the light control switch is in position AUTO, rotate the switch to  position, the rear fog lights will illuminate or go out along with the headlights according to ambient lighting. When

the rear fog lights are turned on, the "rear fog light indicator (yellow)" on the instrument cluster will illuminate.

**Note: Rear fog lights shall not be used until the visibility is obviously restricted (such as heavy fog or snow).**

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## Direction lights and indicators



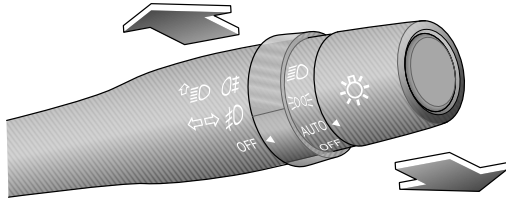
Right turn — push the stalk switch upward.

Left turn — pull the stalk switch downward.

The appropriate "direction indicators (green)" in the instrument cluster will illuminate in time with the indicator lights.

# Before You Drive

## Headlight high and low beams

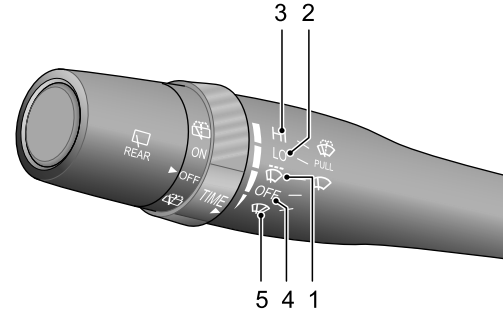


Push the stalk switch away from the steering wheel to change the headlights from low to main beam. Pull the stalk switch towards the steering wheel to return to the low beam position.

**Note:** The "headlight main beam indicator (blue)" in the instrument cluster will illuminate when the headlights are on main beam. To flash the headlights, slightly lift the stalk switch intermittently towards the steering wheel.

## Wiper and washer stalk switch

### Windshield wiper and washer



Rotate the stalk switch to the desired position.

Position 1 - : intermittent wipe. For a vehicle equipped with an automatic wiper, its rain sensor will detect the rainfall on the windshield and automatically adjust the wiping frequency of windshield wipers.

**Note:** Always keep the rain sensor free of dust, dirt or ice

Position 2 -LO: low-speed wipe.

Position 3 -HI: high-speed wipe.

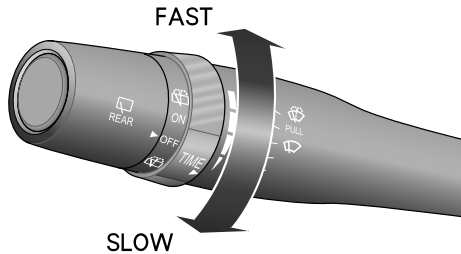
Position 4 -OFF: wiper off.


Position 5 - : single wipe.


# Before You Drive

## Intermittent wipe/variable interval

**⚠️ Worn wiper blades may not clear the windshield properly, thus reducing forward visibility and resulting in accident. Always renew worn wiper blades immediately.**



For the vehicle not equipped with rain sensor, when the stalk switch is in  (intermittent) position, rotate the switch to vary the interval between wipes.

For the vehicle equipped with rain sensor, when the stalk switch is in  (intermittent) position, rotate the switch to change the sensitivity of front wipers, and the rain sensor will adjust the wiping rate of front wipers.

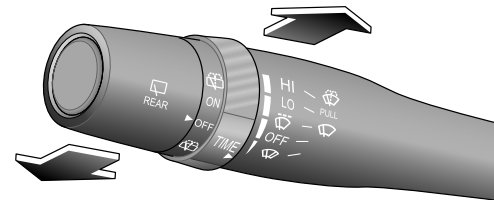
## Caution

In freezing or very hot conditions, to prevent damage to the wipers, ensure the blades are not frozen or otherwise adhered to the glass, and clear the screen of obstructions such as snow. Do not operate wipers when the windshield is dry. It may scratch the glass, cause the blades to be worn prematurely and obscure vision.

## Washers

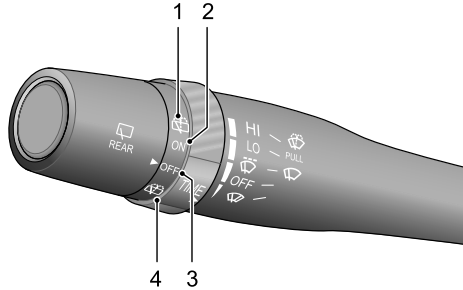
Pull the stalk switch towards the steering wheel. The washer will operate immediately. After a short interval, the wiper will operate with the washer. The washer will be off when the stalk switch is released.

**Note: The wipers will continue to operate for 3 wipes after the stalk switch is released.**



# Before You Drive

## Rear wipers and water jets



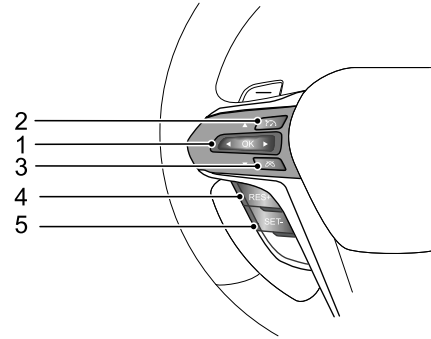
Rotate the stalk switch to the desired position.


Position 1, 4 - : the water jets spray water and the wiper works.


Position 2 -ON: the wipers work.


Position 3 -OFF: the wipers stop working.

## Instrument cluster selection and cruise switch



Position 1 -  : instrument cluster selection button. Press upward, downward, leftward or rightward to page up, page down, page left or page right in the instrument cluster; press OK button to confirm your selection.

Position 2 - : cruise on/off switch. Press this switch to turn on/off the cruise control system. Meanwhile the "cruise indicator lamp" in the instrument cluster will illuminate/go off correspondingly.

Position 3 - : cruise cancel switch. Press this switch to cancel the cruise function without clearing the set speed in the memory.

# Before You Drive

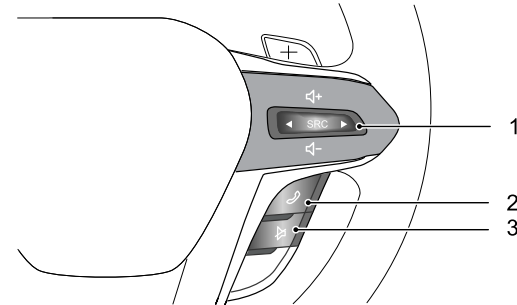
Position 4 -RES+: cruise recovery/acceleration switch. If a set speed has been stored, press this switch to resume the speed; and press this switch again to accelerate (1km/h per time).

Position 5 -SET-: cruise setting/deceleration switch. Press this switch to set a speed. Then the cruise function will be enabled and the "cruise indicator lamp" in the instrument cluster will turn green from white. If the cruise function is operating, press this switch to decelerate (1km/h per time).

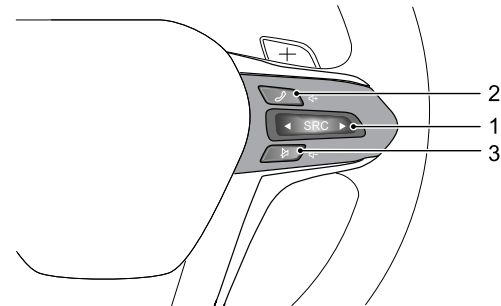
**Note:** See **“Cruise control system”** for more descriptions about cruise control function.

## Voice control and bluetooth phone switch

### Type 1








### Type 2




## Before You Drive

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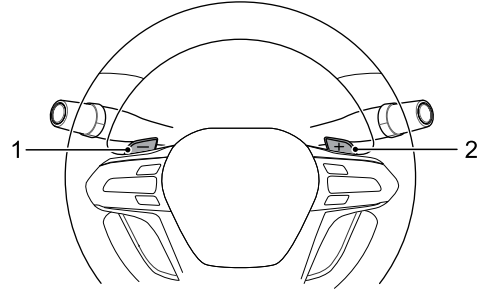


Position 1 - : sound source control switch. Press SRC to switch the radio/MP3 player interface; press upward to increase the volume and downward to decrease; short press  to switch to the previous band/MP3 track; long press  to fast-backward; short press  to switch to the next band/MP3 track; long press  to fast-forward.

Position 2 - : Bluetooth phone switch. This switch is a Bluetooth phone answering switch when Bluetooth is connected. In general calling state: in case of an incoming call, short press this switch to answer; long press this switch to hang up; during a call, short press this button to hang up. In call waiting state: short press this button to hung up the call waiting; long press this button to answer the call waiting.

Position 3 - : mute switch.

### Manual shift paddle



Position 1 - downshift paddle-: to shift to a lower gear, briefly press the manual shift switch -.

Position 2 - upshift paddle+: to shift to a higher gear, briefly press the manual shift switch +.

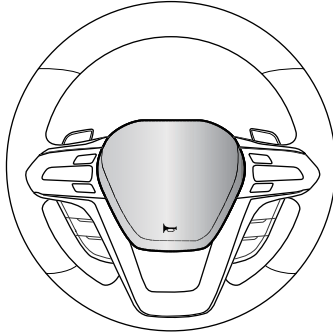
**Note:** See “8AT automatic transmission” for more descriptions about manual shift switch.

# Before You Drive

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## Horn

The horn can operate when the button is pressed, regardless of the ignition switch position.



## HVAC

The air conditioning system cools the air and removes moisture and dust (e.g. pollen).

The heating system uses heat from the engine to warm the air inside the cab; therefore full heating is not available until the engine has reached its normal operating temperature.

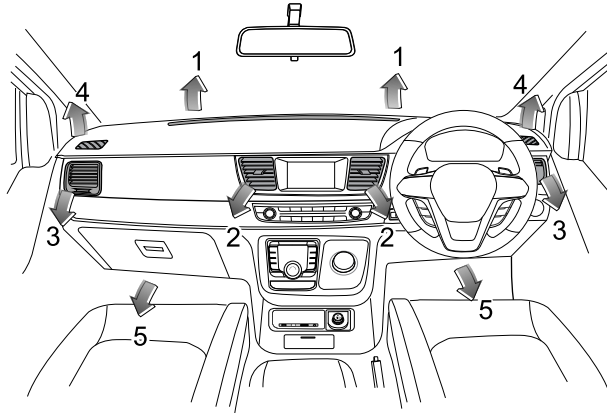
The ventilation system ensures the interior ventilation when the vehicle is moving.

The air quantity at the vents is regulated by the front and rear fan speed selection buttons.

HVAC is used to control the interior cooling, heating and ventilation. The fresh air enters the vehicle through the front window inlet grille via the AC filter. The inlet grille should keep clean, without obstructions like leaves, snow or ice.

# Before You Drive

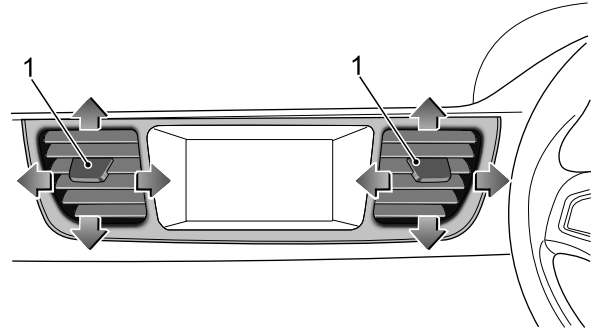
## Front ventilation



- 1 Front windscreen vents
- 2 Center vents
- 3 Side vents
- 4 Front window vents
- 5 Front footwell vents

## Center vents

The direction of air flow can be changed by moving the plate (1) in the center of the grille upward, downward, leftward and rightward.



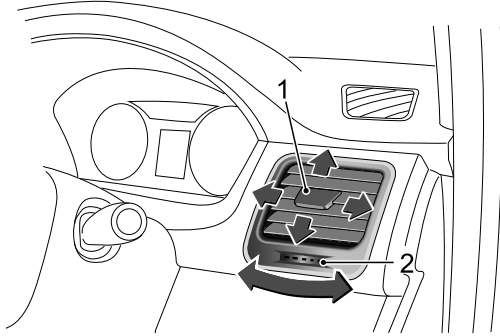


# Before You Drive

## Side vents

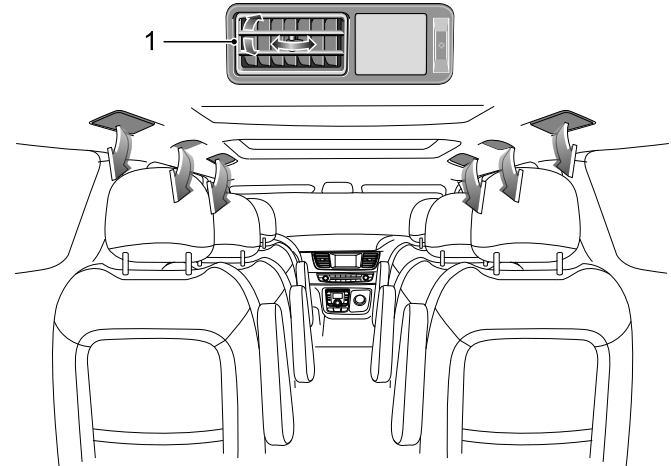
The direction of air flow can be changed by moving the plate (1) in the center of the grille upward, downward, leftward and rightward.

Rotate the thumb-wheel (2) to adjust the air quantity at the vents.



## Rear ventilation

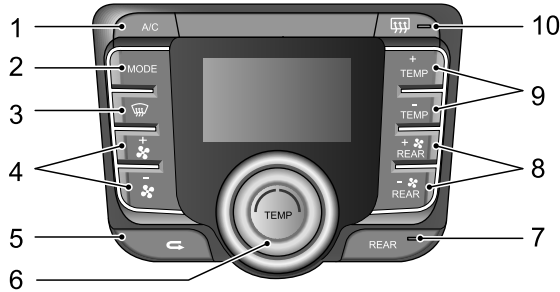
The direction of the air flow can be changed by revolving the grille or moving the plate (1) in the center of the grille.



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# Before You Drive

## Luxury front A/C control panel



- 1 A/C key
- 2 Mode selection key
- 3 One-key defrost key
- 4 Front A/C air speed selection key
- 5 Internal and external recirculation key
- 6 Front A/C temperature selection knob
- 7 Rear A/C control key
- 8 Rear A/C air speed selection key
- 9 Rear A/C temperature selection key
- 10 Rear defrost key

## A/C key

The A/C key is used to control switch-on/off of the compressor, and when the A/C key is pressed, the "Snow" symbol on the liquid crystal display panel goes on, and is extinguished when pressing it again. When the blower is turned off, the user presses the A/C key and the "Snow" symbol flashes for three times to indicate that the blower is not turned on.

The "Snow" symbol on the liquid crystal display is extinguished and no A/C output is available by turning off the blower where the A/C is turned on; however, the A/C is turned on, and the "Snow" symbol on the liquid crystal display goes on when the blower is turned on again.

Turn off the blower in defrost mode, and the "Snow" symbol on the liquid crystal display is extinguished; in case of no A/C output, turn on the blower again, so the "Snow" symbol on the liquid crystal display goes on.

The A/C is not started when it is energized for the first time (factory configuration).

Remember the A/C state at the time of flameout.

It is in defrost status at the time of flameout. When you turn on the ignition again, the A/C system will still in defrost status.

## Front A/C mode selection key

2 front A/C mode keys are provided, i.e. mode selection key and one-key defrost key. 4 modes are available for selection in total, including: face-level air output, face- and foot-level air

output, foot-level air output, and foot-level and front windshield air output. The default changeover sequence is the face-level air output, face- and foot-level air output, foot-level air output, and foot-level and front windshield air output. The mode position is indicated on the liquid crystal display.

When pressing the mode selection key or one-key defrost key continuously, the key is pressed for 1 time by default.

When it is in defrost mode, it is possible to exit the defrost mode by pressing the mode selection key or one-key defrost key, so as to return to the mode previously switched to the defrost mode.

For the air speed logic in the defrost mode, see the "Front A/C air speed selection key".

For the A/C logic in the defrost mode, see "A/C key".

For the internal and external cycle logic in the defrost mode, see "Internal and external recirculation key".

When the A/C unit is power on, there is air from the face-level outlet by default.

Memorize the mode at the time of flameout.

## **Front A/C air speed selection key**

2 front A/C air speed selection keys are provided, i.e. air speed increase key and air speed decrease key, with 6 air speeds in total. The air speed is indicated on the liquid crystal display.

When holding the air speed increase or decrease button for more than 1 second, the air speed is increased or decreased at rate of 0.5 second per speed range.

When it is in defrost mode, the air speed is increased to the maximum air speed at rate of 0.5 second per speed range. If the air speed increase or decrease key is pressed in the process of air speed increase, the automatic increase of the air speed is automatically canceled, and the speed range is stopped at that one selected by the user; after that, the user can adjust the air speed manually. When the A/C unit is changed over to the next mode from the defrost mode, the air speed is recovered to that one in the mode before the defrost mode is selected. However, when the A/C unit is changed over to the next mode if the air speed in defrost mode is lower than that one before changeover to the defrost mode, it is necessary to keep the air speed in the defrost mode.

No air speed is available for the first energization (factory configuration).

Memorize the air speed at the time of flameout.

At the time of ignition memorizing, the air speed is not directly adjusted to that one before flameout, but is increased to the air speed before flameout at rate of 0.5 second per speed range. The air speed logic in the one-key defrost status takes priority. In the process of air speed increase, press the air speed increase or decrease key to cancel automatic air speed increase, and enable the speed to be stopped at the range selected by the user. After that, the air speed is adjusted manually by the user.

# Before You Drive

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## **Internal and external recirculation key**

The internal and external recirculations are switched to each other by use of the key, and the corresponding circulation is indicated on the liquid crystal display. In case that the A/C is in internal circulation mode currently, press the key to switch it to external circulation.

When the A/C is in defrost status, the A/C unit is switched to the external recirculation in a forced manner, and at this moment, it is possible to switch it back to internal recirculation manually.

The A/C unit is operated in external recirculation mode by default at the time of power-on.

The A/C unit is operated in external recirculation mode after flameout.

## **Front A/C temperature selection knob**

The front A/C temperature selection knob adopts a coder structure, and the opening degree of the warm and cooling air damper is divided into 15 parts (the range includes: LO, 16-28, HI) The number that is indicated in the display decreases by turning the knob left, and when turning it to the end, the display indicates "LO"; the number indicated in the display increases by turning the knob right, and when turning it to the end, the display indicates "HI".

Turn the knob only when the temperature declines to the lowest temperature or rises to the highest temperature, so that no response is made from the A/C.

When the temperature knob is turned to the highest temperature, the A/C outputs logic see "A/C key".

The temperature is in the middle position at the time of first power-on (factory configuration), and the corresponding temperature indicated on the liquid crystal display is 22°C.

Memorize the temperature value at the time of flameout.

## **Rear A/C control key**

When the ignition key is turned to ACC, the rear A/C control key will be switched on and the indicator lamp will come on. The rear A/C can then be independently controlled by the rear A/C controller. Press the rear A/C control key, the indicator lamp will go out. The rear A/C can then be controlled from the front A/C control panel other than the rear A/C control panel. Press the rear A/C control key again, the rear A/C can again be independently controlled by the rear A/C controller.

If the ignition key is turned to OFF then to ON, the rear A/C can still be independently controlled by the rear A/C controller.

## **Rear A/C air speed selection key**

2 rear A/C air speed selection keys are provided, i.e. air speed increase key and air speed decrease key, with 4 air speeds in total. The air speed is indicated on the liquid crystal display.

When holding the air speed increase or decrease button for more than 1 second, the air speed is increased or decreased at rate of 0.5 second per speed range.

# Before You Drive

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The front and rear A/C controllers maintain same indication status via communication.

No air speed is available for the first energization (factory configuration).

Memorize the air speed at the time of flameout.

At the time of ignition memorizing, the air speed is not directly adjusted to that one before flameout, but is increased to the air speed at rate of 0.5 second per speed range before flameout. In the process of air speed increase, press the air speed increase or decrease key to cancel automatic air speed increase, and enable the speed to be stopped at the range selected by the user. After that, the air speed is adjusted manually by the user.

## Rear A/C temperature selection key

2 rear A/C temperature selection keys are provided, i.e. temperature rise key and temperature drop key, with 6 temperature ranges in total. The temperature is indicated on the liquid crystal display.

When holding the temperature rise or drop button for more than 1 second, the temperature rises or drops at rate of 0.5 second per temperature range.

The front and rear A/C controllers maintain same indication status via communication.

When the front A/C controller takes control of the rear A/C unit, the temperature adjustment is synchronized with the mode control. When the rear A/C temperature controller is set to

range 1 or 2, the A/C unit is in the face-level air output mode; when the rear A/C temperature controller is set to range 3 or 4, the A/C unit is in the face- and foot-level air output mode; and when the rear A/C temperature controller is set at range 5 or 6, the A/C unit is in the foot-level air output mode. When the rear A/C temperature controller controls the temperature separately, the temperature is not linked with the mode, but controlled separately.

The rear A/C temperature controller is set at temperature range 3 at the time of first power-on (factory configuration), and the rear A/C unit is in the face- and foot-level air output mode.

Memorize the temperature at the time of flameout.

## Rear defrost key

The defrost heater can be turned on and operated when the engine runs. Press the key and the AMBER Rear Defrost Indicator Light goes on, so as to indicate that the rear view mirror and rear window heaters are activated; and then press the key again to deactivate the rear view mirror and rear window heaters, so as to indicate that the indicator light is off.

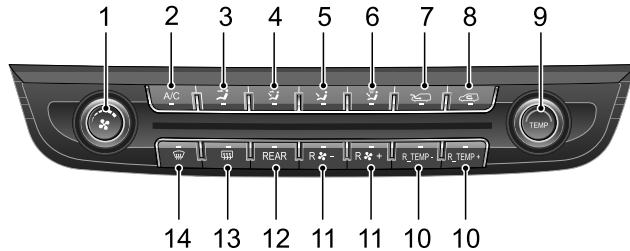
**Note: The button will be automatically switched off after approximately 15 minutes if left on inadvertently.**

## Miscellaneous

The backlight is red, and the liquid crystal display indicates white character with black background, the rear defrost indicator light is amber, and the rear A/C control indicator light is red.

# Before You Drive

## Standard front A/C control panel



- 1 Front A/C air speed selection knob
- 2 A/C key
- 3 Face-level air outlet key
- 4 Face- and foot-level air outlet key
- 5 Foot-level air outlet key
- 6 Foot-level and front windshield air outlet key
- 7 External recirculation key
- 8 Internal recirculation key
- 9 Front A/C temperature selection knob
- 10 Rear A/C temperature selection key
- 11 Rear A/C air speed selection key
- 12 Rear A/C control key
- 13 Rear defrost key
- 14 Defrost key

## Front A/C air speed selection knob

The front A/C air speed knob adopts a potentiometer structure, with 6 air speeds in total. Turn the knob left to decrease the air speed, and right to increase the air speed. The knob is provided with an indication strip to indicate the current air speed.

At the time of ignition, the air speed is not directly adjusted to that one before flameout, but is increased to the air speed at rate of 0.5 second per speed range before flameout. In the process of air speed increase, adjust the knob to cancel automatic air speed increase, and adjust the air output capacity as per the user's selection.

## A/C key

The A/C key is used to turn on/off the compressor. When the A/C key is pressed, the indicator light is on, and when it is pressed again, the indicator light is off.

When the blower is turned off, the indicator light flashes for three times to give a warning that the blower is not turned on after the user presses the A/C key or one-key defrost key. However, it should memorize the key request, so that it can respond to the key request after the blower is turned on.

Turn off the blower when the A/C unit is turned on, so the A/C indicator light is off and no A/C output is available; however, the A/C indicator light is on when the A/C is turned on and the blower is turned on again.

By turning off the blower in defrost mode, the A/C indicator light is off and no A/C output is available; and then, the A/C indicator light goes on after the blower is turned on again.

When the front A/C temperature knob is turned to the highest temperature and if it is in defrost mode at this moment, the defrost mode takes priority.

The A/C is not started when it is energized for the first time (factory configuration).

Remember the A/C state at the time of flameout.

## Front A/C mode selection key

The front A/C mode has 5 keys, representing 5 modes in total, including: face-level air output mode, face- and foot-level air output mode, foot-level air output mode, foot-level and front windshield air output mode, and defrost mode. Among them, the face-level air outlet, face- and foot-level air outlet, foot-level air outlet, foot-level and front windshield air outlet, and the defrost air outlet are provided with separate control key, respectively. The mode position is indicated by the indicator light.

When a mode is valid, its corresponding indicator light is on, and the remaining lights are off.

For the A/C logic in the defrost mode, see "A/C key".

For the internal and external cycle logic in the defrost mode, see "Internal and external recirculation key".

When the A/C unit is power on, there is air from the face-level outlet by default.

Memorize the mode at the time of flameout.

## Internal and external recirculation key

The internal and external recirculations have two separate keys. The internal recirculation indicator light is on after pressing the internal recirculation key, and the external recirculation indicator light is on after pressing the the external recirculation key. The controller has no response when pressing the key in the current status again.

When the A/C is in defrost status, the A/C unit is switched to the external recirculation in a forced manner, and at this moment, it is possible to switch it back to internal recirculation manually.

The A/C unit is operated in external recirculation mode by default at the time of power-on.

The A/C unit is operated in external recirculation mode after flameout.

## Front A/C temperature selection knob

The front A/C temperature selection knob adopts a potentiometer structure, with 15 temperature ranges in total. Turn the knob left to reduce the temperature, and right to rise the temperature. The knob is provided with an indication strip indicating current temperature.

When the temperature knob is turned to the highest temperature, the A/C outputs logic see "A/C key".

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## Rear A/C temperature selection key

2 rear A/C temperature selection keys are provided, i.e. temperature rise key and temperature drop key, with 6 temperature ranges in total. The temperature ranges are indicated by 6 indicator lights arranged on the 2 keys.

When holding the temperature rise or drop button for more than 1 second, the temperature rises or drops at rate of 0.5 second per temperature range.

The front and rear A/C controllers maintain same indication status via communication.

When the front A/C controller takes control of the rear A/C unit, the temperature adjustment is synchronized with the mode control. When the rear A/C temperature controller is set to range 1 or 2, the A/C unit is in the face-level air output mode; when the rear A/C temperature controller is set to range 3 or 4, the A/C unit is in the face- and foot-level air output mode; and when the rear A/C temperature controller is set at range 5 or 6, the A/C unit is in the foot-level air output mode. When the rear A/C temperature controller controls the temperature separately, the temperature is not linked with the mode, but controlled separately.

The rear A/C temperature controller is set at temperature range 3 at the time of first power-on (factory configuration), and the rear A/C unit is in the face- and foot-level air output mode.

Memorize the temperature at the time of flameout.

## Rear A/C air speed selection key

2 rear A/C air speed selection keys are provided, i.e. air speed increase key and air speed decrease key, with 4 air speeds in total. The air speed is indicated on the key, and 4 indicator lights are arranged on the keys.

When holding the air speed increase or decrease button for more than 1 second, the air speed is increased or decreased at rate of 0.5 second per speed range.

The front and rear A/C controllers maintain same indication status via communication.

No air speed is available for the first energization (factory configuration).

Memorize the air speed at the time of flameout.

At the time of ignition memorizing, the air speed is not directly adjusted to that one before flameout, but is increased to the air speed at rate of 0.5 second per speed range before flameout. In the process of air speed increase, press the air speed increase or decrease key to cancel automatic air speed increase, and enable the speed to be stopped at the range selected by the user. After that, the air speed is adjusted manually by the user.

## Rear A/C control key

When the ignition key is turned to ACC, the rear A/C control key will be switched on and the indicator lamp will come on. The rear A/C can then be independently controlled by the rear A/C controller. Press the rear A/C control key, the indicator



## Before You Drive

lamp will go out. The rear A/C can then be controlled from the front A/C control panel other than the rear A/C control panel. Press the rear A/C control key again, the rear A/C can again be independently controlled by the rear A/C controller.

If the ignition key is turned to OFF then to ON, the rear A/C can still be independently controlled by the rear A/C controller.

### Rear defrost key

The defrost heater can be turned on and operated when the engine runs. Press the key and the AMBER Rear Defrost Indicator Light goes on, so as to indicate that the rear view mirror and rear window heaters are activated; and then press the key again to deactivate the rear view mirror and rear window heaters, so as to indicate that the indicator light is off.

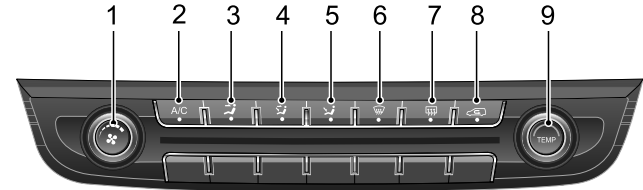
**Note: The button will be automatically switched off after approximately 15 minutes if left on inadvertently. The rear view mirror on your car is provided with a heating function based on the actual configuration of your car.**

### Miscellaneous

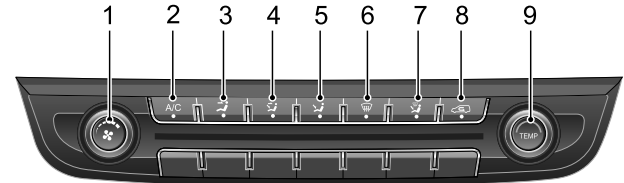
The background light is red, and the rear defrost indicator light is amber, and other indicator lights are red.

### Economic front A/C control panel

#### With rear defrost key front A/C control panel



#### Without rear defrost key front A/C control panel



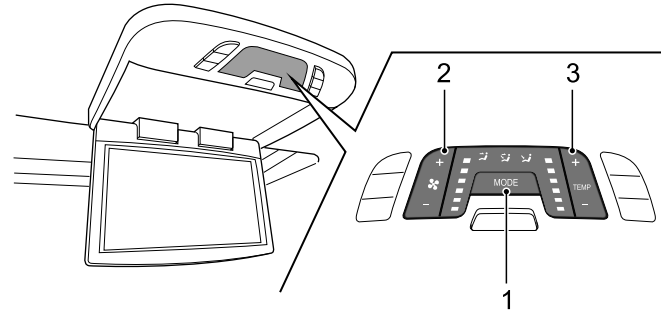
- 1 Front A/C air speed selection knob
- 2 A/C key
- 3 Face-level air outlet key
- 4 Face- and foot-level air outlet key
- 5 Foot-level air outlet key

## Before You Drive

- 6 Defrost key
- 7 Rear defrost key/Foot-level and front windshield air outlet key
- 8 Internal and external recirculation key
- 9 Front A/C temperature selection knob

The economic front A/C control panel includes front A/C mode selection key, front A/C air speed selection knob, front A/C temperature selection knob, A/C key, internal and external recirculation key, and rear defrost key. The control logic of all functions contained is identical to that of the standard front A/C control panel, and is not described here.

### Rear A/C control panel



- 1 Rear A/C mode selection key
- 2 Rear A/C air speed selection key
- 3 Rear A/C temperature selection key

#### Rear A/C mode selection key

There is 1 rear A/C mode key with 3 modes in total, including: face-level air output, face- and foot-level air output and foot-level air output. The default air output changeover sequence is as follows: face-level air output, face- and foot-level air output and foot-level air output.

When a mode is valid, its corresponding indicator light is on, and the remaining lights are off.

The valid default position of the front controller is face- and foot-level air output for the first power-on (factory configuration).

Memorize the mode at the time of flameout. It is finished by the front controller.

## **Rear A/C air speed selection key**

2 rear A/C air speed selection keys are provided, i.e. air speed increase key and air speed decrease key, with 4 air speeds in total. The air speed is indicated at right side of the key, and 4 indicator lights are arranged on the keys.

When holding the air speed increase or decrease button for more than 1 second, the air speed is increased or decreased at rate of 0.5 second per speed range.

The front and rear A/C controllers maintain same indication status via communication.

No air speed is available for the first energization (factory configuration).

Memorize the air speed at the time of flameout. It is finished by the front controller.

At the time of ignition memorizing, the air speed is not directly adjusted to that one before flameout, but is increased to the air speed at rate of 0.5 second per speed range before flameout. In the process of air speed increase, press the air speed increase or decrease key to cancel automatic air speed increase, and enable the speed to be stopped at the range selected by the user. After that, the air speed is adjusted manually by the user.

## **Rear A/C temperature selection key**

2 rear A/C temperature selection keys are provided, i.e. temperature rise key and temperature drop key, with 6 temperature ranges in total. The temperature ranges are indicated at left side of the key, and 6 indicator lights are arranged on the keys.

When holding the temperature rise or drop button for more than 1 second, the temperature rises or drops at rate of 0.5 second per temperature range.

The front and rear A/C controllers maintain same indication status via communication.

The rear A/C temperature controller is set at temperature range 3 at the time of first power-on (factory configuration).

Memorize the temperature at the time of flameout. It is finished by the front controller.

## **Miscellaneous**

The background light is red, and all indicator lights are red.

# Before You Drive

## Operating tips for air conditioning

- If the vehicle has been parked in direct sunlight, open the windows before operating.
- To clear misted windows on rainy days, decrease the humidity inside the vehicle by operating the air conditioning. This is most effective during rainy season and season of high humidity.
- Insufficient cooling may occur when driving in urban stop/start conditions.

**Note:** *If the air conditioning system is not used for a month or more, run the engine at idle and turn on the system for at least 10 minutes once a month, even during winter months. This is to keep the compressor and seals properly lubricated, and prolong the service life of the system.*

**Note:** *Condensation may form on the evaporator when air conditioning has been used. Therefore you can expect to see a small puddle of water under the vehicle when the vehicle is stopped.*

## Rear view mirrors

The outside rear view mirror glasses are convex shaped to broaden the field of vision: this makes objects appear smaller and further away than they really are.

### Caution

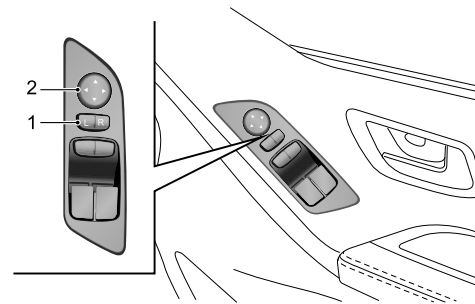
Always check all mirrors for cleanliness and positioning before driving; clean and adjust if necessary.

## Outside rear view mirror

Press the "L" (left) or "R" (right) side of the switch (1) to select the mirror to be adjusted.

Press the appropriate side of the switch (2) to tilt the mirror up/down/left/right to the desired position.

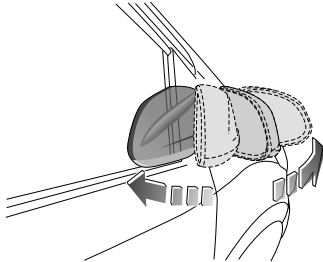
Return the switch (1) to the central position.



# Before You Drive

## Foldable rear view mirrors

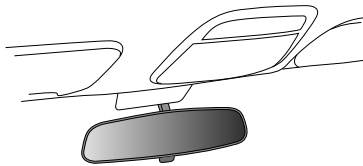
To protect the safety of pedestrians, the outside rear view mirrors will rotate to two sides from the normal installation position when suffering a strong impact. They can be returned by applying a small amount of force on the rear view mirror frame.



## Interior mirror

Adjust the mirror to obtain the desired rearward view.

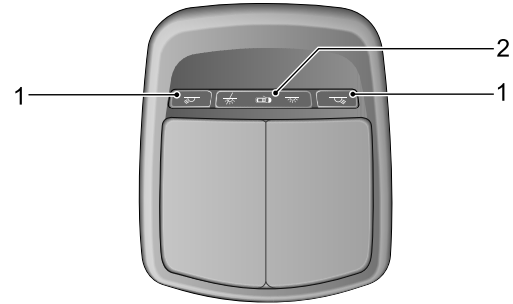
Operate the lever at the bottom of the mirror to reduce reflected glare of night driving.




## Internal equipments

### Front roof reading light


#### Type 1



#### *Always on*


Press the right side  of the switch (2) to switch the interior reading light on.

#### *Door control activated*



When the switch (2) is horizontal, the interior reading light is in the  condition in which the door control is activated, so that the interior reading light will go on automatically after any door is open, and go off about 30 seconds after the door is closed.

# Before You Drive

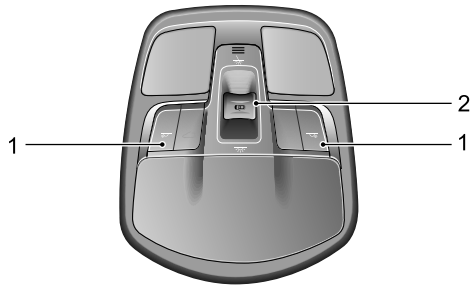
## **Always off**

Press the left side of the switch (2)  to switch the interior reading light off.


## **Opening/closing**

When the button (2) is at door control position and the door is fully closed, press the button (1)  or  to turn on the front roof reading light on the corresponding side, and then press the corresponding button again to turn off the reading light.


## **Type 2**




## **Always on**

Move the switch (2) to lower position  to switch the interior reading light on.



## **Door control activated**

After pull the switch (2) to the middle  position and opening any door, the interior reading light will go on automatically, and go off about 30 seconds after the door is closed.

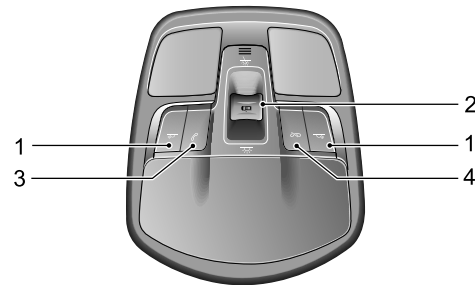
## **Always off**

Move the switch (2) to upper position  to switch the interior reading light off.

## **Opening/closing**


When the button (2) is at door control position and the door is fully closed, press the button (1)  or  to turn on the front roof reading light on the corresponding side, and then press the corresponding button again to turn off the reading light.

## **Type 3**




# Before You Drive


## Always on

Move the switch (2) to lower position  to switch the interior reading light on.



## Door control activated

After pull the switch (2) to the middle  position and opening any door, the interior reading light will go on automatically, and go off about 30 seconds after the door is closed.



## Always off

Move the switch (2) to upper position  to switch the interior reading light off.

## Opening/closing

When the button (2) is at door control position and the door is fully closed, press the button (1)  or  to turn on the front roof reading light on the corresponding side, and then press the corresponding button again to turn off the reading light.

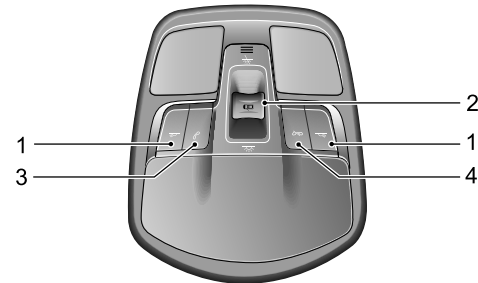
## Functions of bluetooth button



This item may not apply to your vehicle, please refer to the actual vehicle. For functions of bluetooth  answer button (3) and  bluetooth hang-up button (4), see “Functions of bluetooth button”.

## Functions of bluetooth button

Bluetooth hands-free system connects mobile phone and vehicle audio system for wireless hands-free call with buttons. Voice prompt of hands-free system and audio channel of mobile phone use speaker to broadcast and the mounted microphone can transfer your voice to remote mobile phone. Bluetooth hands-free system provides the following functions.

- Smooth wireless hands-free call with Bluetooth connectivity
- Private mode/hands-free mode switching
- Answer/hang up phone call
- Last number redial
- Auto re-connection



Two buttons (bluetooth  answer button (3) and  bluetooth hang-up button (4)) on Front roof reading light can be used for system setting and operation.

# Before You Drive

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There are two trigger modes for both buttons: short and long press. Short press means to release the pressed button within 1.5s while long press more than 2.5s.

Mobile phone and Bluetooth must be connected before system operation. This connection is based on the mobile phone and system matching. With matching established, the system will store mobile phone ID. Once vehicle started or system ON, mobile phone will be automatically connected. After connection, calls can be done with vehicle audio system and speaker.

The system support 8 Bluetooth pairs, but only current connected device will be activated.

## Caution

- Your mobile phone shall support HFP (Hands-Free Profile) protocol for Bluetooth connection. Bluetooth connection procedure varies for mobile manufacturers. More information see mobile phone user manual.
- If your mobile phone has navigation function, after Bluetooth connection, navigation prompt will be broadcasted from vehicle audio system for some mobile phone. This function requires mobile phone support. For mobile phone without this function, the navigation prompt will be broadcasted from mobile phone.
- For some mobile phone, after Bluetooth connection, key tone will be transferred by Bluetooth. You can turn off key tone of mobile phone if you would not like to hear the key tone in speaker.

## Setting steps

### 1 Start

With keys turned to ACC-ON, the Bluetooth starts to work.

### 2 Search setting

Longly pressing "Answer" button will set Bluetooth to matching mode and radio will display "PHONE" for 2s. At this time, your mobile phone will be set in searching mode and the name of Bluetooth interface box is "SAIC-G10".

### 3 Matching

After Bluetooth module searched, enter matching code "1234" for matching. External Bluetooth module can match 8 mobile phones at the same time. If more than 8 mobile phones, the earliest matching memory will be cleared to keep memory of 8 mobile phones.

### 4 Connection

After successful matching, use mobile phone to establish connection. After Bluetooth connection, radio will display "PHONE" for 2.5s with "beep" sound from audio system. External Bluetooth module can connect 1 mobile phone only at one time.

## Function description

### *Call answer and reject*

After connection establishment, the radio will display "PHONE" and make prompt sound for incoming call. Shortly press



# Before You Drive

"Answer" button for calling and shortly press "Hang-up" button to reject call.

## **Hands-free/private call**

After call establishment, Bluetooth interface box will automatically output audio in hands-free mode and display "PHONE" in radio. Hands-free and private call can be switched by shortly pressing "Answer" button.

## **Call hang-up**

After calling establishment, shortly pressing "hang-up" will hang up current calling.

## **Last number re-dial and disconnection**

- Last number redial

After connection, longly press "Answer" button, the last number dialed in call record will be re-dialed.

- Disconnection

After connection, longly press "Hang-up" button will disconnect current mobile phone and vehicle Bluetooth. After disconnection, the radio will display "PHONE" for 1s and audio system will make "beep" sound for prompt.

## **Auto re-connection**

Disconnection in case of distance between mobile phone and vehicle beyond the connection distance; with mobile phone within connection distance again, the mobile phone and

Bluetooth will be re-connected automatically. With external Bluetooth module power on, recently connected mobile phone will be re-connected automatically.

## **Button function table**

### **Press answer button**

Situation	Shortly press answer button
Incoming call	Answer incoming call
In a call (hands-free)	Private call
In a call (private)	Hands-free call

Situation	Longly press answer button
Standby (no matching)	Bluetooth in visual status
Standby (connection completed)	Dial the last number dialed in call records

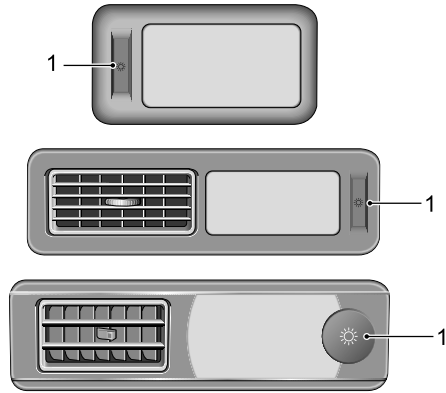
### **Press hang-up button**

Situation	Shortly press hang-up button
Incoming call	Call reject
In a call (hands-free/private)	Call hang-up

Situation	Longly press hang-up button
Standby (connected)	Bluetooth disconnection

## Before You Drive

### Rear roof reading light



### Opening/closing

When the front roof reading light button (2) is at door control position and the door is fully closed, press the button (1) ☀ to switch the rear roof reading light; and then press the button again to switch the rear roof reading light off.

The rear roof reading light will illuminate when any door is opened. The rear roof reading light will go out automatically after the door is closed for 30 seconds.

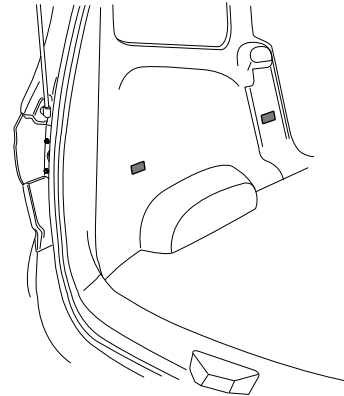
**Note:** *If any door is open for approx. 15 minutes, the rear roof reading light will go out automatically to avoid battery lack of power.*

### Compartment lamp

When the sliding door or tailgate is open, the compartment lamp goes on automatically.

When the sliding door and tailgate are closed, the compartment lamp is off.

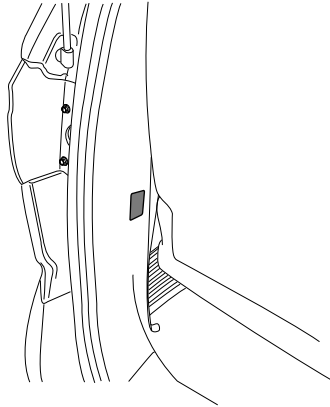
If the sliding door or tailgate is open for more than 15 minutes, the compartment lamp will go off automatically.



## Trunk lamp

When the trunk lid is open, the trunk lamp will go on automatically, and go off after the trunk lid is closed.

If the trunk lid is open for more than 15 minutes, the trunk lamp will switch off automatically.



## Vehicle inverter

**!** Pay attention to electricity safety. Do NOT allow children to play with the socket - Danger of High Voltage!

Do NOT insert fingers or conductive items into this socket. Keep liquids far away from the area where the socket is fitted.

Do NOT use it in a humid, high temperature (above 85 °C ) or poor ventilation environment.

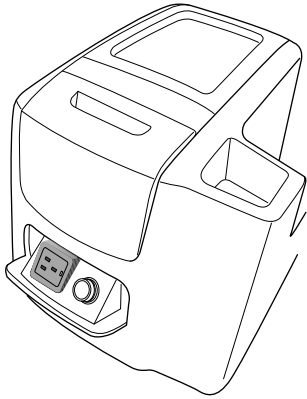
The maximum rated power of the inverter is 150W. Any high-power electric device (above 150W) is prohibited.

The on-board inverter is located at lower rear part of the auxiliary fascia console between the driver and front passenger. A 220V AC power receptacle can be seen by opening the panel, which can provide an output power of 150W. When the ignition switch is at “ACC (unlock)” position, the on-board inverter can work. Pay attention to the indicator located next to the socket which displays the power status and operate according to the instructions given by the indicator:

- 1 Green ON: normal operation.
- 2 OFF: Battery voltage too low. Remove the electric device and wait for the recovery of the battery voltage.
- 3 RED flash:

## Before You Drive

- Battery voltage too high. Wait for the recovery of the battery voltage.
- 220V power temperature too high. Remove the electric device and wait for the green light ON.
- 220V power output overload. Remove the electric device and restart the engine to return to normal.
- External short circuit. Remove the electric device and restart the engine to return to normal.



### Caution

Do NOT use the vehicle inverter when the ignition switch remains on "ACC (UNLOCK)" for a long time to avoid the battery lack of power.

### Cigarette lighter

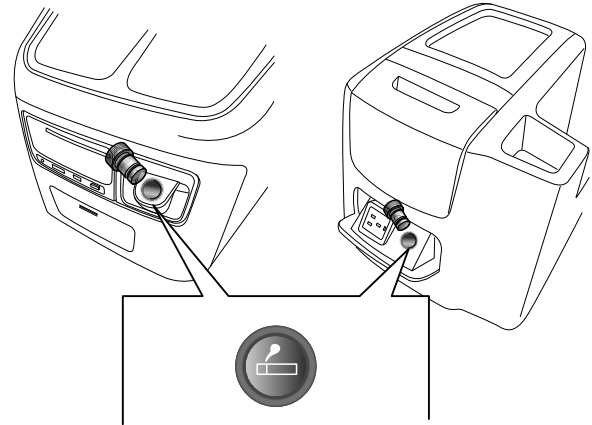
**⚠ Never hold the lighter after pressing the cigarette lighter; otherwise it will result in damage.**

**Do not plug any accessory into the lighter socket.**

**Always remove the lighter as a precaution when children are left alone in the vehicle.**


**Always hold the lighter by the knob when in use; the barrel will be hot and could cause burns.**

To operate, press the cigarette lighter knob fully in and release. When heated, the knob will partially eject automatically and can be withdrawn for use.



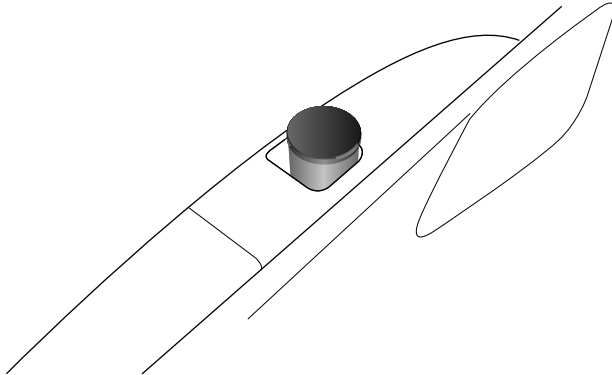
## Before You Drive

### Ashtray

 **Ashtray is a fire risk. Putting lit cigarettes or matches in an ashtray with combustible material can cause a fire. Do not use the ashtray as a waste receptacle.**

The ashtray of the car is located in the cup stand of the compartment trim panel. The ashtray can be open by opening the ashtray cover.

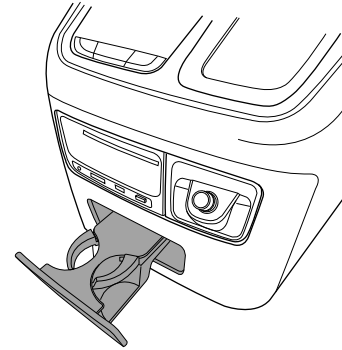
If desired to empty the ashtray, it can be removed by pinching one side of the ashtray and pulling it upward.



### Cup holder

Cup holder is located at the button of dashboard; to open, push and release the cup holder to unlock it, then pull out to its full extent. To stow, press the cup holder gently in until it locks.

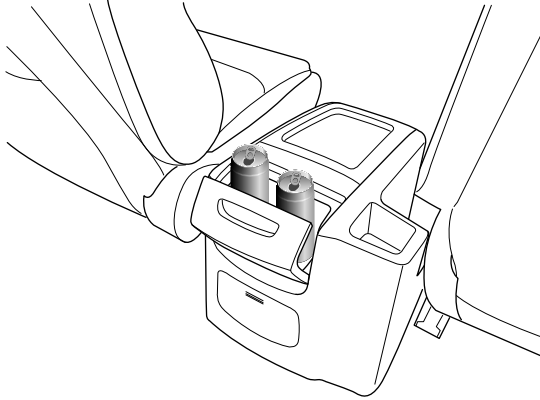
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## Before You Drive

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A cup holder is provided at rear end of the auxiliary fascia console for some vehicle models. The ashtray can be open by opening the cup holder cover.

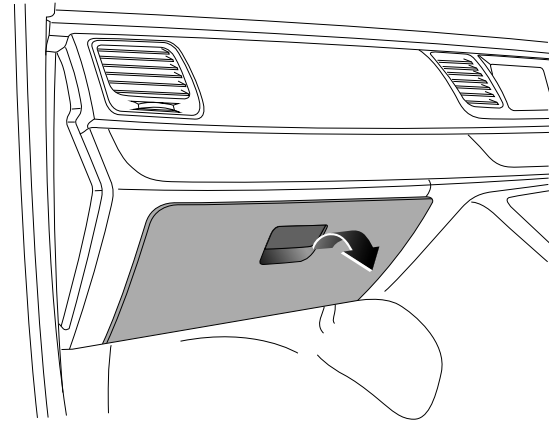


### Glove box

**!** Do not stow sharp, heavy or dangerous objects in the glove box on the occupant side.

Driving with the glove box open can cause injury in the event of an accident or sudden stop. Keep the glove box closed when driving.

Lift the flap handle to open the box. Close it with a firm push.



## Before You Drive

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### First-aid kit

The first-aid kit is placed in the glove box. If you need to use, please unzip it and take out the required items.

The items included in the first-aid kit are: medical gauze piece, medical elastic bandage, medical athletic tape, triangular bandage, adhesive bandage, iodophor cotton swab, dressing tweezers, safety scissors.

This item may not apply to your vehicle, please refer to the actual vehicle.

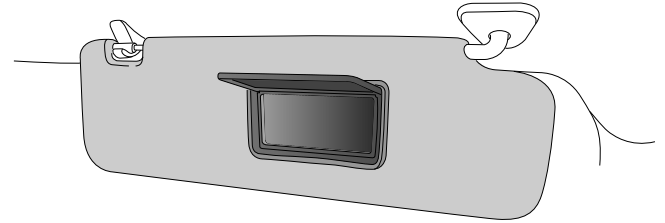


### Sun visor and makeup mirror

It is possible to pull two sun visors upward and downward to shelter from sunshine which goes into the car through the windshield. Furthermore, it is possible to turn it to the side window.

Turn the sun visor down and open the makeup mirror cover for makeup.

The driver's makeup mirror should be used when the car is standstill.

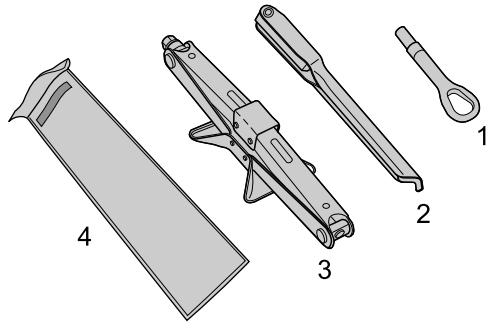


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# Before You Drive

## Driver's tools

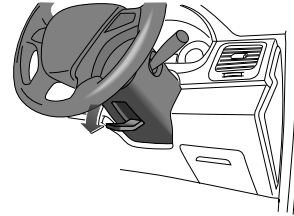
The tool kit supplied with the vehicle is placed in the storage box under the driver's seat.



- 1 Front towing hitch
- 2 Socket wrench
- 3 Jack
- 4 Driver's tool package

## Steering wheel adjustment

**!** Do not adjust position of the steering wheel during driving of the vehicle. This is very dangerous.



Adjust position of the steering wheel by following steps to fit your driving gesture:

- 1 Fully loosen the steering wheel adjustment handle on the steering column;
- 2 Hold the steering wheel by hands, and pull the steering wheel up or down to adjust it to appropriate position;

**Note:** *If it is still difficult to move the steering wheel to an appropriate position, it is required to turn the ignition switch to "ACC (Unlock)" position to unlock the steering wheel, and then turn the steering wheel to the straight forward driving position.*

- 3 Select an appropriate driving position, and fully pull the steering wheel adjustment handle, and lock the steering wheel at a new position.

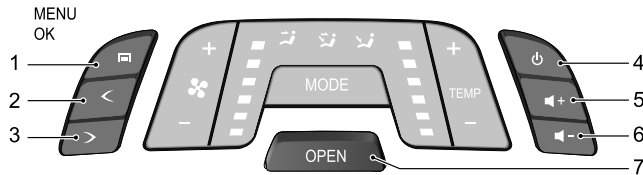


# Before You Drive

## Interior display screen

**Note:** It is applicable to the vehicles equipped with interior display screen.


## Specification of function keys



- 1 Setting interface/confirm
- 2 Selection key
- 3 Selection key
- 4 Turn on/off
- 5 VOL+
- 6 VOL-
- 7 Roof mount screen popup key

## Basic operation

### Startup, Shutdown

Press the key OPEN on the panel and open the roof mount screen to a suitable watching position. The ignition switch is at ACC/ON. Press the key  on the panel to start the system and enter into the interface in a few seconds.

If the host is no signal, the screen shall display the no-signal interface.



## Before You Drive

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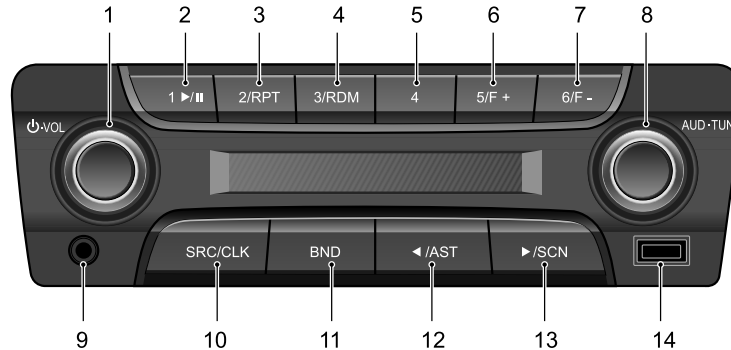
Press the function key **≡** on the screen to enter into parameter setting interface.



Press the function key **<** or **>** to select **【Brightness】**, **【Contrast】**, **【Saturation】**, **【Language】** and **【Default】** to set the parameters of the interior display screen. Move to the required item and press the function key **≡** to enter into the relevant interface and set the parameters by the function key **<** or **>**. After finished, press the function key **≡** to return to the parent menu and select **【Exit】** to exit the parameter setting interface.

## MP3+Radio (Type 1)

### Description of panel functions





- 1 Turn on/off  
Volume tuning knob(Turn the knob left to tune up the volume, and turn the knob to tune down the volume)
- 2 Preset button 1/pause button
- 3 Preset button 2/repeat button
- 4 Preset button 3/random play button
- 5 Preset button 4
- 6 Preset button 5/next directory(USB mode)
- 7 Preset button 6/previous directory(USB mode)
- 8 Manual radio frequency tuning  
Sound effect mode(press)  
Entertainment system setting/setting time(hold)
- 9 AUX IN video input interface
- 10 Audio source selection (press)/time clock display(hold)
- 11 Radio band selection
- 12 Short press the key(radio mode) to automatically search the radio stations with lower frequency  
Short press(USB play mode) to select previous track  
Hold the key to store radio stations automatically  
Hold the key(USB play mode) for fast backward
- 13 Short press the key(radio mode) to automatically search the radio stations with higher frequency  
Hold the key(Radio mode) to browse the radio stations  
Short press(USB play mode) to select next track  
Hold the key(USB play mode) for fast forward
- 14 USB interface


# Before You Drive

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## Volume tuning

### Turn on/off

Press .VOL to turn on the player when the ignition switch is in ACC or ON mode; and then press .VOL again to turn off the player.


Hold .VOL key to turn on the player when the ignition switch is in OFF mode, and the player is automatically turned off after it is operated for half an hour; and after being off, it is possible to hold the key to turn on again, and the player is automatically turned off after half an hour.

### Time clock setting and display

Hold the AUD.TUN knob, and turn it to select adjustment menu: BEEP (press key sound)/CLOCK (time clock). Hold the SRC/CLK key to display the current time.

- In BEEP condition, press the knob to enter the sound selection mode. It is possible to select ON or OFF by turning the knob. Then, press the knob to return.
- In CLOCK condition, the hour position starts to flash by pressing the AUD.TUN knob, and it is required to set the hour by turning the knob; and pressing the AUD.TUN until the minute position starts to flash, and then turn the knob to set the minute. Then, the time clock starts to run from the adjusted time.

## Volume

Turn .VOL knob to adjust the volume. For the safety sake, select an appropriate volume to ensure that you can hear the external traffic signal sound (whistle, alarm siren and etc.).

### Acoustic/sound effect mode adjustment

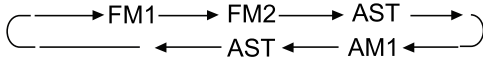
Press the AUD.TUN knob to enter the sound effect setting mode. Turn the AUD.TUN knob for setting, and after that, press the AUD.TUN knob again to enter the next setting mode. In the digital tuning mode, the default value is 0. After approx. 10 seconds, the display will automatically return to the mode previously operated.

- Enter the sound effect mode BASS-TRE to select the preset sound effect type. Turn the AUD.TUN knob to select a sound effect among following types: JAZZ/CLASSIC/VOCAL /ROCK/POP. After the selection is finished, the display will indicate the sound effect you choose. Such as JAZZ.
- In the BASS setting item, turn the AUD.TUN knob to tune the bass effect within range of BASS-7, ..., 0, ..., BASS+7.
- In the TREBLE setting item, turn the AUD.TUN knob to tune the treble effect within range of TREB-L7, ..., 0, ..., TREB+7.
- In the BAL setting item, turn the AUD.TUN knob to tune the sound balance of the left and right speaker within range of L7,..., MID, ..., R7.
- In the FADER setting item, turn the AUD.TUN knob to tune the volume of the front and rear speakers within range of R7, ..., MID, ..., F7.

## Radio

### Band

Press the BAND key to select the desired band. It is possible to change the band among FM1, FM2, AST, AM1 and AST, and the entertainment system will display the band you select.



### Automatic station-searching

Press the ◀/AST key to search low frequency radio stations.

Press the ▶/SCN key to search high frequency radio stations.

### Manual tuning

Turn the AUD.TUN knob left to search low frequency radio stations, or right to search high frequency radio stations.

### Automatic storage of radio stations

You can store 6 FM radio stations with the strongest radio signal in the FM AST band, or 6 AM radio stations with the strongest radio signal in the AM AST band. When you are using the automatic station storage function, the radio stations previously stored in the FM AST or AM AST band will be covered.

Hold the ◀/AST key to enter the automatic station storage mode, and then:

- The machine produces a "Beep" sound and becomes mute, and the display will indicate a FM/AM AST message.
- After the storage is finished, the display enters screen protection mode following approx. 8 seconds (time clock).
- The radio stations are stored in the preset key 1-6.
- When the external radio signal is weak, less than 6 radio stations may be stored.

### Preset radio station

The radio stations can be manually stored in the preset button 1-6.

6 radio stations can be stored for each band by use of the preset button 1-6.

- Switch to the desired radio station
- By holding the preset key for at least 2 seconds, you can hear a "beep" sound, and then can store the current radio station in this preset key.

### Recall the preset station

By pressing the desired key among the preset key 1-6, it is possible to recall the desired preset radio station.

# Before You Drive

## USB play mode

The radio cassette player has an external USB interface through which you can plug in a USB flash disk or portable media player.

### File decoding description

- It supports audio files with such suffixes as \*.mp3, \*.MP3 or \*.WMA.
- It supports 32Mbyte ~ 4G USB memory device taking the flash memory as storage medium.
- It can be connected with a FAT16 or FAT32 USB memory device
- It supports following sampling rate range: 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k and 48kHz.
- It supports following bit rats: 8k ~ 320kbps and VBR(MP3 PRO).

### Equipment connection

After plugging your USB memory device into the standard USB interface of the radio cassette player, the entertainment system will be automatically changed over to USB mode for playing.

### Caution

As the USB memory device is plugged in for a moment, the radio cassette player will be initiated to search the MP3 files, the display will indicate a "READING" message, and a waiting time from few seconds to dozen seconds is caused in terms of the capacity of the USB memory device and the size of the files stored. During such waiting period, it is not allowed to be hurry to plug out the USB flash disk. If there is no audio file or unsupported file audio file format in the USB memory device, the display indicates an "ERROR" message after the player is initiated.

### Play

During normal play, the display indicates following items: sound effect (if selected), number of current file stored in the USB, and playing time.

When all songs in the previous folder are played, the entertainment system will automatically skip to the first MP3 file in the next folder in sequence.

### Previous/next track

Press ► or ◀ key to select the next or previous song.

### Pause

When short-pressing 1/▶|| key during play, the entertainment system will pause playing, and continue to play from the pause time point.

## Directory selection of the USB flash disk

Press 5/F+ to enter the next directory in the USB flash disk (the directory number increases) for playing.

Press 6/F- to enter the previous directory in the USB flash disk (the director number decreases) for playing.

### Caution

- The player's USB interface supports charging of external devices with following voltage range (e.g.: cellphones other than Apple's devices). The charging voltage range is 5(+/-0.5)V, the maximum charging current is 500mA, the charging logic is that the radio player can be charged when it is turned on, and cannot be charged when it is turned off.
- If your device cannot be known or plays abnormally after being plugged in the USB interface, it is required to remove and re-plug your USB device, and ensure that it contacts with the USB interface well, and is not blocked by dust and other foreign bodies.

## AUX IN interface

The entertainment system reserves a standard audio interface with diameter of 3.5mm, so that you can connect an audio play device through a corresponding audio cable adapter. After the audio device is connected, press the SRC key to enter the AUX IN mode. When the device is in AUX IN mode, you can tune the volume by the volume tuning knob.

## Volume during backing up

When the vehicle is backing up, the entertainment system is controlled by the reversing cable and all sound sources will become mute, and after the reversing is finished, the original sound source volume is recovered.

For an vehicle model with an automatic transmission, all sound sources will become mute when the gear shift passes by the "R (reverse)" position, and the original sound source volume can be recovered after leaving the "R (reverse)" position.

# Before You Drive

## Common troubleshooting

When you feel that some function in the car acoustics is failed, it is required to read the operation instructions in this handbook carefully prior to return to our Service Dealer for repair, and then to carry out following inspections against the following checklist. This practice will help you eliminate the failure.

Phenomenon	Possible causes and remedies
General condition	
The entertainment system does not work or display any message.	The fuse of the entertainment system power source or car is burned out, and it is required to go to our Service Dealer to replace it by a corrective type of fuse.
The entertainment system works, but it does not produce sound or the sound is weak.	Tuning up the volume; Check the balance setting in the front and rear speakers and left and right speakers.
The entertainment system is heated slightly.	The machine is heated normally.
Radio	
The radio reception is poor.	The built-in antenna amplifier may be damaged, and it is required to go to our Service Dealer for inspection. The signal of the desired radio station is weak, and it is required to tune radio player manually.
Play by USB device	
There is an audio file that cannot play.	Please confirm that this file is a MP3/WMA file, and this model cannot support the audio file other than MP3/WMA format.
The volume is fluctuated when playing MP3 songs.	Because there are many MP3 song sources and there is not unified standard, it is possible that the volume size set is different when compressing the MP3 songs. In this case, adjust the volume knob.
It is impossible to display the singer/song/song title information.	This model does not support display of ID3 information.



## Before You Drive

Phenomenon	Possible causes and remedies
During play, the song play is paused intermittently.	It may be resulted from different formats during compression of the songs.
It is impossible to read the songs in the mobile hard drive.	Please confirm that there is one disk partition in the hard drive, and the model cannot support multiple disk partitions.  If two or more disk spaces have been set, such as disk E and F, or more disk spaces have been set, this model cannot read MP3 songs from them. If you want to use the spaces, consolidate all disk spaces into a single disk space in your computer.
It is impossible to read songs in the memory device.	Please confirm on the computer that the memory is partitioned by FAT16 or FAT32 file system. If not, it is possible to set it on the computer to change it to a standard required by the model.
It is impossible to read MP3 songs from an all-in-one USB adapter.	This model supports an adapter with a single USB port only.
Shock-wave noise/souffle	Probably, it is caused by the equipment or noise when recording the original MP3 files. Please use other player to confirm whether the machine is failed.

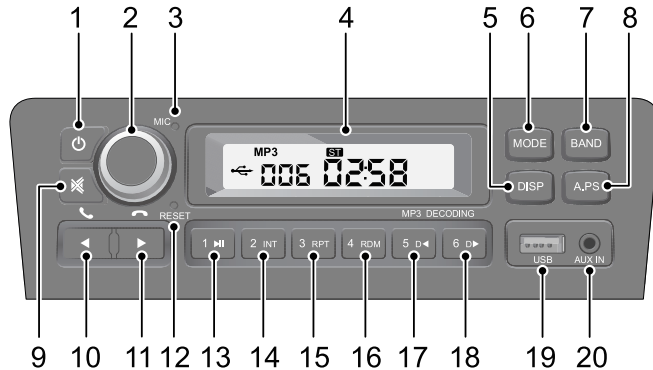
### Caution

If the malfunction cannot be eliminated, please send the vehicle to our Service Dealer for repair. Don't take the car audio apart and maintain by yourself.

# Before You Drive

## MP3+Radio (Type 2)

### Description of panel functions



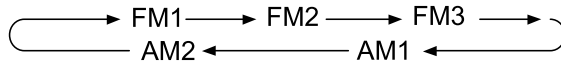
- 1 Power On/Off button
- 2 Volume adjustment knob
- 3 Microphone
- 4 Display
- 5 Clock button
- 6 Mode switch button
- 7 Band selection button
- 8 Auto scan/store button
- 9 Mute button
- 10 Manual scan button (upward)  
Bluetooth phone answer button
- 11 Manual scan button (downward)  
Bluetooth phone hang up button
- 12 System reset button
- 13 Preset button 1, play/pause
- 14 Preset button 2, browse play
- 15 Preset button 3, repeat play
- 16 Preset button 4, random play
- 17 Preset button 5, select previous folder when playing MP3
- 18 Preset button 6, select next folder when playing MP3
- 19 USB port
- 20 AUX IN port

## Radio operation

### Storing a station

Up to 18 FM stations (6 for FM1, FM2, and FM3 each) and 12 AM stations (6 for AM1 and AM2 each) can be set and stored in the order you choose.

In the radio state, repeatedly press BAND button on the panel to choose the band. The initial state of the radio is FM1. Each time you press it, the band changes as follows:



In the radio state, long press ► or ◀ button on the panel can automatically search the next or previous clear radio station. Short press ► or ◀ button on the panel can manually go to the next or previous clear radio station. When a radio station is reached, press and hold any number key for two seconds to store the radio station on that number key. If a station is already stored on the key, it will be replaced.

In FM state, when long pressing A.PS button, the radio will automatically scan and store the 18 stations with the strongest signal in this band. After storage, browse the stored stations one by one.

Repeat the above operation in AM state, you can store the 12 stations with the strongest signal in this band.

### Listening to stored stations

Press BAND button on the panel to select the band, and then press the number key to select the stored station.

In the radio state, short press A.PS button, the radio will browse the stations stored in that band.

To listen to the station you are viewing, press the number key of the displayed station.

### Finding a Specific Location in a Track

In USB playback state, long press ► or ◀ button to fast forward/rewind the track. When the desired location is found, releasing the key will resume playback from the current location.

### Selecting the folder to read


In USB playback state, short press Preset Button 5 and Preset Button 6 to directly select the folder, and the radio will play the first track in the selected folder in sequence.

# Before You Drive

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## USB operation

### USB playback

- 1 Press the Power On/Off button on the panel to turn on the mainframe.
- 2 Insert the USB into the USB port, the radio will play automatically.
- 3 It will display Track No. and Elapsed Time during playback.
- 4 In USB playback state, press  button to pause, and press it again to resume playback.
- 5 In USB playback state, unplug the USB to exit the USB playback state and enter the previous mode.

### Track browsing playback

In USB playback state, press 2 INT button to enter the track browsing, play the first 10 seconds of each track, and then press it again to cancel the function.



### Track repeat playback

In USB playback state, press 3 INT button to repeatedly play the current track, press it again to cancel the function.

### Track random playback

In USB playback state, press 4 INT button to enter the random playback mode, press it again to cancel the function and play the tracks in sequence.

### Finding a specific track

In USB playback state, short press  button to select the next track, short press  to select the previous track.

## Bluetooth operation

### Bluetooth connection

- 1 Press the Power On/Off button on the panel to turn on the mainframe.
- 2 Turn on the mobile phone, enable the Bluetooth function, and start searching, the mobile phone will search for the Bluetooth device, connect the mobile phone with this device, the display will show the Bluetooth symbol after connection.

### Bluetooth music

- 1 Press MODE button to switch to Bluetooth mode, turn on the player on the phone to play music, and the radio can play the music on the phone.
- 2 In Bluetooth playback state, short press ► button to select the next track, short press ◀ button to select the previous track.
- 3 In Bluetooth playback state, press ►|| button to pause, and press again to resume playback.

### Bluetooth phone

When there is an incoming call, the display will show the call number, short press ◀ button (answering button) to answer the call. Short press ► button (hang up button) to hang up the call.

## Audio adjustment

When you repeatedly press the volume knob, the radio will select the audio mode in the following order: BAS (bass) - TRE (treble) - BAL (left/right channel balance) - FAD (front/rear balance mode).

### Volume mode (VOL)

Turn the volume knob clockwise or counterclockwise to adjust the volume level, which can be adjusted between the min. value and the max. value.

### Bass mode (BAS)

Turn the volume knob clockwise or counterclockwise to adjust the bass level (adjustment range: -7 ~ +7).

### Treble mode (TRE)

Turn the volume knob clockwise or counterclockwise to adjust the treble level (adjustment range: -7 ~ +7).

### Left/right balance mode (BAL)

Turn the volume knob clockwise or counterclockwise to adjust the BAL level (adjustment range: L7 ~ R7).

### Front/rear balance mode (FAD)

Turn the volume knob clockwise or counterclockwise to adjust the FAD level (adjustment range: R7 ~ L7).

# Before You Drive

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## AREA

Turn the volume knob clockwise or counterclockwise to switch between: China (CHN), Middle East (SA), South America (ME).

## Other functions

### Mute (MUTE)

In radio or playback state, press the Mute button to mute the volume, and the display shows "MUTING". To resume the radio or playback state, press this button again or adjust the volume.

### Clock setting (DISP)

In power On state, short press DISP button will display the clock; and if the button is not pressed again within 5 seconds, it will automatically return to the normal state.

With a long press on DISP button, if the hour is flashing, press ► and ◀ button to adjust the hour; press DISP button again, if the minute is flashing, press ► and ◀ button to adjust the minute. After the setting is completed, press DISP button to end the operation.

### Radio, USB, Bluetooth, Audio Input Conversion (MODE)

In the normal working state of the radio, press MODE button to switch playback between radio, USB, Bluetooth, and audio input. If the USB is not inserted, press continuously MODE button to switch playback between radio, Bluetooth and audio input.

### RESET

When the radio cannot work due to abnormal state, press RESET button to restart the system. If it still cannot work normally, please contact Service Dealer for repair.

# Before You Drive

## Common troubleshooting

When some functions of the car audio are found invalid, please read the instructions in this manual carefully before sending it for repair, and then check it against the table below, which may help you clear the fault.

Symptoms	Possible causes and solutions
General cases	
Mainframe inactive, no display	Press RESET button on the panel to reset, and check whether the radio can work properly The power supply or the fuse is blown, please contact Service Dealer to replace with a new fuse with correct rating.
Mainframe active, but with no sound or very low sound	Turn up the volume; check BAL and FAD settings of the speakers.
Body slightly hot	It is normal during working.
Radio	
Fail to receive the desired station	Check whether the antenna is fully extended and whether it is properly connected. The antenna amplifier inside may be damaged, please go to the Service Dealer for inspection. The signal of the desired station is too weak, please use manual tuning.
USB playback	
Some audio files cannot be played	This model only supports MP3, WMA audio format files, please confirm whether the file format is supported.
Volume fluctuates when playing MP3 tracks	MP3 tracks come from a wide range of sources but without unified standard, it may happen because the volume you set when compressing MP3 songs is different. In this case, please adjust the volume knob yourself.
Fail to display Artist/Track/Track Title information	This model does not support the display of ID3 information.

## Before You Drive

Symptoms	Possible causes and solutions
Intermittent pauses when playing music	It may be caused by the different formats of the tracks when compressed.
Popping/noise	It may be caused by the device or noise when the original MP3 file was recorded. Please use another player to confirm whether it is a problem with this unit. The track bit rate exceeds that supported by this unit.

### Caution

If the fault still cannot be eliminated, please send the vehicle to the Service Dealer for overhaul. DO NOT disassemble the radio without permission and repair it by yourself.



## MP5+Radio

### Notice for use

#### Important safety information

For the instructions of MP5+Radio, please refer to the operating instructions accompanied with the entertainment head unit. Please read carefully and fully understand the operating instructions accompanied with the entertainment head unit before you use this product.



**Do not install or repair it by yourself. People without electronic equipment training and auto parts training install or repair the product may bring about danger. According to laws and regulations, for security reasons, watching video and carrying out relevant operation during driving is forbidden. So, please do not watch video or carry out relevant operation while driving.**

**Please pay attention to all the notes in this manual, and strictly comply with the instructions. Please do not make this product in contact with liquid, otherwise may cause short circuit or damage.**

#### Security Statements

The function of the reverse image of this system is just a helper when driving, please pay attention to the actual situation.

#### Caution

- This product should not be affected with damp.
- First operation of the product or reconnect after cut off the vehicle power-supply, date displayed on the screen of the computer should be manually adjusted to accurately display.
- Ensure safety driving.
- Please comply with the rules of safe driving and the current traffic rules.
- Please do not operate this product and its function of reverse image when you feel distracted while driving.
- Please use the parking brake and park the vehicle to a safe place when you have to operate the product by watching the screen.
- Please do not set the volume to high lest you can not hear traffic situation and emergency signal outside the vehicle.
- For safety reasons, some functions, such as video display, can not be accomplished when you are driving.
- Please ensure the engine is started when use this system lest the battery runs out.

***Note: The pictures in this handbook are schematic diagrams, and the details may be slightly different from the vehicle. The pictures are for reference only and the details are subject to the physical product.***

# Before You Drive

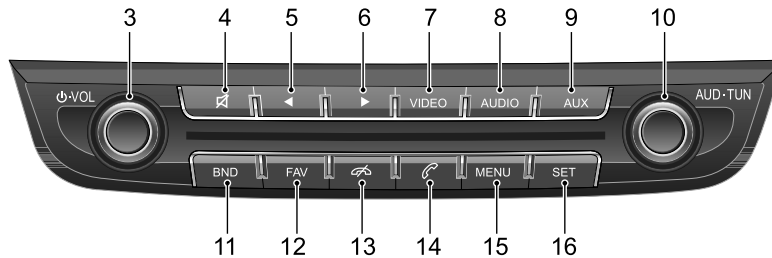
## Specification of function keys

### Host function key



- 1 USB interface
- 2 AUX input interface
- 3 On & OFF key/Volume rotary knob
- 4 Mute key
- 5 Short press (in radio mode) to automatically search radio stations to low frequency  
Short press (USB mode) to select previous track  
Long press (USB mode) to rewind
- 6 Short press (in radio mode) to automatically search radio stations to high frequency  
Short press (USB mode) to select next track  
Short press (USB mode) to fast forward

### Panel function key



- 7 USB video mode
- 8 USB audio mode
- 9 AUX mode
- 10 Short press to enter sound effect settings  
Rotate to switch stations
- 11 Switch radio band
- 12 Radio favorites
- 13 Bluetooth telephone hanging up
- 14 Bluetooth telephone answering
- 15 Main menu
- 16 Setting interface

## Function of main interface



- 1 Home  
Touch it to return to main interface.
- 2 Display of state of connection of device  
The state of USB, Bluetooth, AUX and other devices are displayed. The appropriate icon is highlighted when a device is connected. Vice versa.
- 3 Volume/mute

- Current volume is displayed. Touch on it to switch between mute and current volume.
- 4 Display of state of play  
Name of file being played at the backstage is displayed.
- 5 Display of date  
The current system time is displayed.
- 6 Icon for USB music mode  
Touch on the USB music icon to enter USB music mode.
- 7 Icon for radio mode  
Touch on the icon for radio mode icon to enter radio mode.
- 8 Icon for AUX mode  
Touch on the icon for AUX mode to enter AUX mode.
- 9 Icon for contacts mode  
Touch on the icon for contacts mode to enter contacts mode.
- 10 Icon for electronic manual mode  
Touch on the icon for electronic manual to enter the manual.
- 11 Icon for setting mode  
Touch on the icon for setting mode to enter setting mode.
- 12 Icon for USB video mode  
Touch on the USB video icon to enter USB video mode.
- 13 Icon for USB picture mode  
Touch on the USB picture icon to enter USB picture mode.



## **Starting and Driving**

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135 Parking assist system

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# Starting and Driving

## Before starting and driving

- Ensure that the daily/weekly maintenance checks have been done as detailed in the section "Maintenance and Service - Owner's check".
- Check your seating position.
- Check the adjustment of all the rear view mirrors.
- Check that all lights, signaling systems and warning indicators are in working order.
- Check that all occupants have correctly fastened seat belts.

Turn the ignition switch to "ON" position and check the operation of all warning lights and gauges(see "Warning lights and indicators").

### Caution

Before reading the section, be sure to have read section "Before You Drive", and familiarize yourself with the vehicle as well as its equipment.

## Ignition switch

### Startup by key



**Never remove the key during vehicle driving. Otherwise you will not be able to steer the vehicle.**

**Always remove the key after switching off, particularly if leaving children unattended in the vehicle.**

**Freewheeling with the ignition switched-off is dangerous as assistance from the brake servo and the power steering is not available under these conditions.**

**Note: An engine immobilisation system is fitted to your vehicle, see "Engine immobilisation system".**

Ignition switch can offer positions below:

**LOCK:** Ignition switch turned off. The key can only be inserted or removed in this position. After removing the key from "LOCK" position, ignition switch shall lock steering column to avoid turning the steering wheel.

**ACC (unlock):** With steering column unlocked, individual electrical device and accessory can work, e.g. radio and cigarette lighter etc.

**Note: Slight movement of the steering wheel may be necessary to disengage the steering lock.**

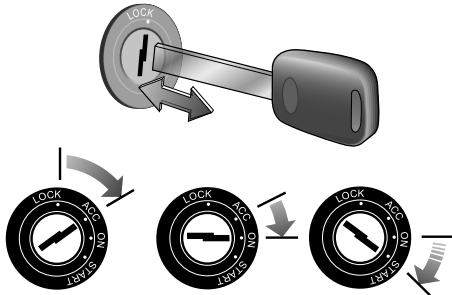
# Starting and Driving

**Note:** Never leave the key in "ACC (UNLOCK)" position for a long time to avoid the battery lack of power.

ON: The ignition is switched on and all instruments, controls and electrical circuits become operative.

**Note:** Do not leave the key in "ON" position when the engine is not running.

START: Starter motor works and engine starts. Release the key as soon as the engine starts and the key automatically returns to "ON" position from "START" position.



## Keyless startup

**Note:** The vehicle is equipped with the one-button start switch, i.e. button-activated start/stop switch. To start the vehicle, the remote key with PEPS function must be placed in the vehicle; to shift the transmission gear out of the P position, the vehicle must be in ON position and the brake pedal must be depressed.

### Caution

The control strategies of the PEPS system may be slightly different due to vehicle configurations, please operate as per the actual configurations of your vehicle.

ACC (amber): If the ignition switch is in ACC position after the engine is stopped, the battery electricity may be consumed. If the battery is run for a long time, the vehicle may not be started.

**Type 1:** When the engine is stopped, do not depress the brake pedal, and press the button to enable the ignition switch to be in ACC position.

**Type 2:** When the engine failed to start and the vehicle is in N position, the ignition switch will be shifted to ACC position; when the engine is running and the vehicle is not in P position, press the switch to shift to ACC position; when the engine suddenly stalls and the vehicle is not in P position, the ignition switch will be shifted to ACC position.

# Starting and Driving

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ON (amber): All instruments, controls and circuits can be operated.

*Type 1:* When the engine is stopped, do not depress the brake pedal, and press the button for two times to enable the ignition switch to be in ON position.

*Type 2:* When the engine is stopped, do not depress the brake pedal, and press the button for one time to enable the ignition switch to be in ON position.

START (green): This position is used to drive and start the vehicle. When the engine is stopped, depress the brake pedal, and press and release the button to start the engine. When the ignition switch is in START position, the engine will continue to start until the engine starts to run. The green indicator light is used to indicate that the startup condition is met, and to become amber after the startup is ended.

OFF: This position indicates that the engine is stopped. The engine can be stopped only when the transmission gear is in P/N parking position.

If the vehicle is next to a strong radio signal source, it may interfere with the remote door lock system, and the start/stop switch is failed.

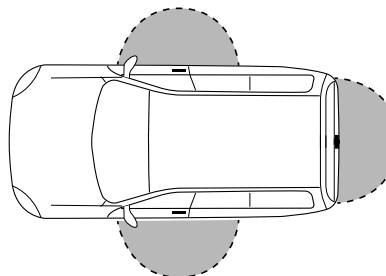
## Keyless start system

### Keyless unlocking

When all doors are closed, bring the remote key and enter the induction area, press the microswitch or tailgate switch on the door handle, so that the central lock will be unlocked automatically. After being unlocked successfully, the rear turn signal flashes twice; in case that either of following operations is not implemented within 30 seconds, the central lock will be locked again automatically:

- Open any door
- The power supply is switched to the OFF position.
- Unlocking/locking the central lock

**Note:** *Also, you can use the Unlock key on the remote key for unlocking. Press the Unlock key to unlock the central lock automatically.*





## Keyless locking

When the driver door or the front passenger door is unlocked, press the microswitch on the door handle, or tailgate switch on the trunk lid after taking the remote key and entering the induction area, so that the turn signal flashes 1 time and the alarm horn makes a short sound once (it depends on the configuration); after that, all doors are locked and the vehicle enters preset anti-theft condition. After pressing the microswitch, the doors will not be closed in case of either of following conditions:

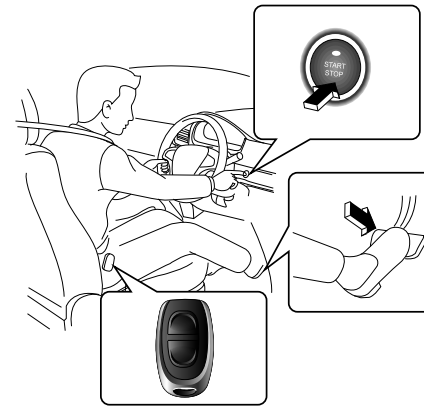
- The power supply is at non-OFF position.
- The remote key is left in the vehicle.
- The remote key is not placed within induction range.
- The electric energy of the remote key is exhausted.
- The driver door is not closed.

**Note:** Also, you can use the Lock key on the remote key for locking. Press the Lock key to lock the central lock automatically.

## Keyless startup

When the remote key is left in the car, depress the brake and set the transmission gear to position P or N, so that the green indicator light on the start/stop switch goes on, indicating that the ignition is possible; and at this moment, it is possible to start the engine by pressing the start/stop switch.

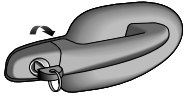
**Note:** If the brake is not depressed, the power supply can be switched among OFF, ACC and ON position by pressing the start/stop switch. If the remote key is not placed in the car, the indicator light does not go on after depressing the foot brake; and then, pressing the start/stop switch cannot switch the position of power supply or carry out the ignition action.



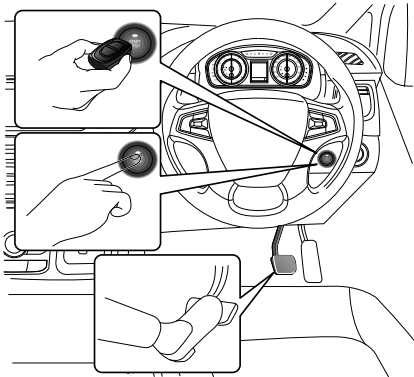
## Standby start

When the electricity of the remote key is exhausted, the keyless access function is failed, but it is also possible to operate the engine. Use a mechanical key to open the door and enter the car; and at this moment, the system can be in anti-theft state, so that it can trigger an alarm, being a normal condition.

# Starting and Driving



Set the transmission gear in position P or N, depress the brake, enable the remote key to be close to the start/stop switch (place the front end of the remote key on the start/stop switch vertically or place the remote key on the start/stop switch flat), wait a moment until the green indicator light on the start/stop switch goes on; and press the start/stop switch to start the engine within 3 seconds after the indicator light goes on, so that the anti-theft protection of the system will be deactivated at this moment.



## Emergency start and flameout

There is a valid remote key in the vehicle. The transmission gear is placed at position P, but the brake switch is in abnormal condition; the power supply should be switched to ACC or ON (please operate as per the actual configurations of your vehicle) at this moment, the instrument prompts the "Hold the key for 3 seconds to start", and the start/stop switch is pressed continuously for 3 seconds, so that the engine can be started.

The flameout is required if sudden conditions occur during driving of the vehicle, which can be realized by two ways:

- 1 Continuously press the start/stop switch within 3 seconds;
- 2 Press the start/stop switch 3 times within 3 seconds.

**Note:** *The state of power supply can be switched to OFF or ACC based on the gear position of the transmission (the position P is switched to OFF, and the gear position other than position P is switched to ACC).*

## Engine immobilisation system

### Keys

The keys are coded electronically to your vehicle. And they are unique to it. Only these keys will start your engine.

For the car equipped with a keyless startup system, the remote key must be placed in the car when it is desired to start the engine.

With valid immobilisation system, any unauthorized attempt to start the engine will be electronically inhibited.

### Arm / disarm

The AMBER Anti-theft Warning Light on the information center display will be dimmed forever when the ignition switch is turned from "LOCK" to "ON" position with a successful authentication. If the AMBER Anti-theft Warning Light flashes, there is a fault with the engine immobilisation system. The engine will be unable to start and you should contact our Service Dealer for repair immediately.


For the car equipped with a keyless startup system, the AMBER Anti-theft Warning Light on the information center display will be dim if the system is validated successfully when the START/STOP ENGINE button on the dashboard is pressed to "ON" position. If the AMBER Anti-theft Warning Light flashes, there is a fault with the engine immobilisation system. The engine will be unable to start and you should contact our Service Dealer for repair immediately. If the remote key is not placed in the car or interfered, the driver information center will display a message indicating that the key is not placed in the car. Where it is required to change the battery provided in the remote key, the driver information center will display a message indicating that the remote key battery should be replaced, so it is necessary to replace the battery as soon as possible.

**Note: The key contains a microchip to ensure a trouble-free data exchange between it and the vehicle, do not shield it with metal (e.g. other keys), and do not expose the key to severe impacts. Do NOT have more than one key on your key ring.**

# Starting and Driving

## Starting / Stopping engine

### Starting

 Carbon monoxide is a dangerous gas which can cause unconsciousness and may even be fatal. Do not breathe exhaust gas because it contains carbon monoxide which by itself has no colour or odour. Never start or leave the engine running in an enclosed, unventilated area. If you think exhaust gas is entering the vehicle, have the cause determined and corrected as soon as possible. If you must work under these conditions, drive only with all windows fully open.

- Manual transmission


Push the gear lever to the neutral gear.

Depress the clutch pedal to the end and hold it.

- Automatic transmission

Set the transmission gear to position P or N.

Depress the brake pedal and hold it.

Wait for the "glow plug indicator (amber)"  on the instrument cluster off after the ignition switch is turned to position "ON". Turn the key to position "START" to start the engine. Release the key as soon as the engine starts and the ignition switch will return to position "ON" automatically.

For the vehicle with keyless start system, see "Ignition switch", "Keyless start system".

**Note: Do not operate the starter for longer than 30 seconds during starting and if the engine fails to start, turn off ignition switch and wait 30 seconds before having a try again. With the decrease of the ambient temperature, the engine starting time may be increased accordingly. So when starting, please temporarily shut down all don't need to use electrical equipment.**

#### Caution

Before the engine does not reach operating temperature, it is necessary to avoid high revolving speed and operation at full throttle opening.

### Warming up

When the engine is cold, warming up the engine is unsatisfactory when the vehicle is still. Suggest driving away soon after starting the engine.

### Stopping

Turn the ignition switch from position "ON" to "OFF" to stop the engine.

For the vehicle with keyless start system, see "Ignition switch", "Keyless start system".

Applying handbrake.

## Auto stop/start system

**Note:** *It is applicable to the vehicles equipped with auto stop/start system.*

### Basic service conditions

The auto stop/start system helps save fuel and reduce carbon dioxide emissions. When using the auto stop/start system, the engine automatically shuts down if the vehicle is stationary in case of a red light. The ignition switch remains ON during the shutdown phase. The engine starts again automatically when needed. The auto stop/start system will be automatically activated with the ignition switch turned on.

Basic service conditions of the auto stop/start system:

- The driver's door has been closed.
- The driver has fastened his seat belt.
- The engine hood has been closed.
- The vehicle has been running at a speed of above 10km/h since the last stop.


#### Caution

Please always keep the auto stop/start system OFF when wading through water.

## Stopping and starting the engine

### Vehicles with automatic transmissions

Please apply full braking to the vehicle, and still depress the brake pedal after it is stopped, the engine will be shut down (shutdown phase). At the same time, the "auto stop/start system

indicator (green)"  in the instrument cluster will be lit.

If the brake pedal is released, the engine will start again. The indicator goes out.

### Other information on vehicles with automatic transmissions

- When the gear in transmission is in a non-R position, the engine will be shut down.
- If R gear is selected during the shutdown phase, the engine will start again.

#### Caution

Please depress the brake pedal when the engine is OFF to prevent the vehicle from moving. If the engine auto stop/start system switch in the instrument cluster is pressed during the shutdown phase, the engine will start automatically. If the driver's door is opened or the driver's seat belt is taken off, the engine will not start automatically. If the engine needs to be started, please switch the gear to P or N in the transmission and start the engine through the start-stop switch or the key.

# Starting and Driving

## Note

Conventional auto stop/start operation may be interrupted due to different system reasons.

### The engine has not been shut down

Prior to and during each shutdown phase, the system checks whether certain conditions have been met. The engine will not shut down under the following conditions:

- The engine has not reached the minimum temperature to start/stop the system.
- The windshield is being requested to defrost.
- The charging status of the battery is too low.
- After the battery is replaced or plugged/unplugged for repair, the car has parked for more than 4 hours without locking.
- The gear is in R position in the transmission.
- The slope is very steep.
- The brake vacuum is insufficient.

When the start-stop conditions are not met, the "auto stop/start

system indicator (white)"  will be lit.

### The engine starts automatically again


During the shutdown phase, the normal start/stop operation will be interrupted under the following cases. The engine starts again without the driver's operation.

- The windshield is being requested to defrost.
- The charging status of the battery is too low.

- The brake vacuum decreases.

If the conditions for auto start/stop operation are met again, the engine may be shut down again.

### Caution

- On vehicles equipped with automatic transmission, if you need to shift to D gear from R gear, the vehicle must be driven at 10 km/h so that the system can shut down the engine again.
- If you do not want to use the system, turn it off manually. When the engine auto stop/start system OFF switch in the instrument cluster is pressed, the start/stop system will be turned off, and a dialog box "Stop/Start System Off" will appear in the instrument cluster.
- When the "auto stop/start system indicator (yellow)"  in the instrument cluster is lit, the auto stop/start system has a fault! The functions are not available.
- There is a fault with the auto stop/start system. Please contact our Service Dealer for troubleshooting.

## Driving

### Running-in of new vehicle

This vehicle requires no deliberate "running-in", but in order to enhance the long-term running performance, we strongly recommend the following:

Driving at first 3,000 Km:

- Avoid driving too briskly and vary the speed frequently.
- Never depress the accelerator pedal to the lowest position at any gear.
- Do NOT allow the engine to labor in any gear.
- If possible, avoid undue emergency braking.

After driving 3,000 Km, you can gradually increase the performance of your vehicle up to the maximum allowable speed.



**Avoiding using high engine speed will then protect your engine, reduce fuel consumption, lower the engine noise level and help protecting the environment.**

## Driving



**When driving, never place portable container with fuel on the vehicle. They may leak and a fire may be caused.**

### Caution

When driving, never rest your feet on the clutch pedal; otherwise the clutch may be worn/damaged.

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When the vehicle is driving on a road with water, snow, ice, mud, sand and other hazardous conditions, pay attention to:

- Slow your vehicle speed and be prudent to drive, and reserve more braking distance.
- Prevent sudden action during braking, steering or acceleration.
- Use sand, anti-skid chains or other anti-skid materials under the driving wheels, so as to provide traction force required when the vehicle is trapped in ice, snow or mud.

### Slipping

If your vehicle slips on a wet road, you cannot control your vehicle for the reason that it is resulted from the frictional force between the road and tyres. The different road condition, tyre inflation pressure and vehicle speed may result in slippage of the vehicle. It is very dangerous.

The optimal method of preventing the slippage is to lower the vehicle speed, and keep caution at any time when you feel that the road is enough wet.


# Starting and Driving

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## Driving on a road with water accumulation

In order to prevent damage to your vehicle when passing through a road with water accumulation, pay attention to:

- Confirm the water depth before driving in the water. The maximum water depth is 30cm.
- The driving speed should not be more than walking speed.
- Under influence of the water wave stirred up by the front and oncoming vehicles, the water depth may exceed the maximum allowable water depth.


 **The water and mud will lay an influence on the brake system, increasing the braking distance and resulting in hazard!**

- **Depress the brake gently to enable the brake component to keep dry and recover performance.**
- **Please do not make an emergency brake at the time of driving through a wet and slippery road.**

***Note: When the vehicle drives through a road with water accumulation, the engine, drive system, transmission and electronic system on the vehicle may encounter serious damage.***

***The salt water is of corrosive nature, and the parts that were soaked in the past must be washed by fresh water.***

## Catalytic converter

 **The catalytic converter will release a lot of heat (even within a short time after engine shutdown), which may cause a fire.**

**Do not operate or park the vehicle on any flammable object (such as paper, dry grassland or dry fallen leaves).**

**When the engine is running or after it is shut down within a certain period, and before the catalytic converter cools down, prevent any body parts from contacting the exhaust system.**

The catalytic converter installed in the exhaust system is used for reducing exhaust pollution.



# Starting and Driving

## Caution

In order to protect the catalytic converter from being damaged, the following precautions must be observed:

- Use the fuel suitable for your vehicle. The Company assumes no responsibility for the mistake of filling a wrong type of fuel. If you fill a wrong type of fuel carelessly, contact Our Service Dealer for service immediately. Do not start the engine.
- If the vehicle is difficult to start or driving performance degrades during driving, please drive the vehicle to a nearby Our Service Dealer for service.
- Do not drive under extremely low fuel level. The engine may be unable to start during driving under fuel exhaustion.
- Do not start the vehicle by pushing or trailing it.
- Do not shut down the engine during driving.


## Precautions on the use of vehicles equipped with DPF (diesel particulate filter)

The main function of DPF is to collect particulates from vehicle exhaust, and then remove the particulates collected in DPF through active and triggered regeneration within a certain period, thereby recovering the DPF function of collecting particulates. The active regeneration herein refers to the function that the engine automatically starts to remove the particulates in the vehicle exhaust collected by DPF according to the actual working conditions; the triggered regeneration refers to the regeneration where the current working conditions of the engine cannot meet the conditions of active regeneration and requires human intervention.

## DPF one-button switch-type regeneration (for vehicles equipped with this function)

### Alarm prompts on instrument cluster


Level-1 alarm prompt: the instrument cluster message center displays "Please drive at a speed greater than 60km/h or press DPF button to regenerate in situ" for 9 seconds; the buzzer issues three 'beep' sounds; the "DPF (diesel particulate filter)

warning light (yellow)  on the instrument cluster stays on.

Level-2 alarm prompt: the instrument cluster message center displays "Guarantee safety and trigger DPF regeneration in situ immediately" for 9 seconds; the buzzer issues three 'beep'

## Starting and Driving

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sounds and cycles at an interval of 9 seconds, and the "DPF (diesel particulate filter) warning light (yellow)"  on the instrument cluster flashes at a frequency of 1Hz.

During the regeneration process, "xx% of DPF regeneration has been completed, please wait" is continuously displayed on the instrument cluster. And the "DPF (diesel particulate filter) warning light (yellow)" on the instrument cluster flashes at a frequency of 0.5Hz.

When the regeneration is completed, "In-situ regeneration is completed, you can drive normally" will be displayed for 9 seconds on the instrument cluster, the buzzer issues a 'beep' sound, and the "DPF (diesel particulate filter) warning light (yellow)" on the instrument cluster goes out .

When the regeneration operation cannot be accepted, "DPF cannot be regenerated due to xx (display the reason code), \*\* (display the content of recommended user operation)" will be displayed for 9 seconds, the buzzer issues a 'beep' sound, and the "DPF (diesel particulate filter) warning light (yellow)" on the instrument cluster goes out. In case DPF cannot be regenerated due to xx (display the reason code), the reason codes and their corresponding reasons are as follows:

0 : Engine not started

1 : Coolant failed to reach the proper temperature range

2 : Oil failed to reach the proper temperature range

3 : Failed to reach the proper ambient pressure

4 : Fuel failed to reach the proper temperature range

5 : Insufficient battery voltage

6 : Clutch not released

7 : Not in N gear

8 : The vehicle speed is not equal to zero

9 : Engine speed failed to reach the proper range

10 : Engine torque failed to reach the proper range

11 : Accelerator pedal not released

12 : Upstream temperature of DPF failed to reach the proper range 1

13 : Upstream temperature of DPF failed to reach the proper range 2

14 : Upstream temperature of DOC (Diesel Oxidation Catalyst) failed to reach the proper range 1

15 : Upstream temperature of DOC (Diesel Oxidation Catalyst) failed to reach the proper range 2

16 : DPF particulates below the regeneration limit

17 : DPF-related faults

18 : Engine-related faults

19 : Exceeded the maximum allowable regeneration time

20 : Upstream temperatures of DOC (Diesel Oxidation Catalyst) and DPF failed to reach the target values within the allowable time range 1

21 : Upstream temperatures of DOC (Diesel Oxidation Catalyst) and DPF failed to reach the target values within the allowable time range 2

22 : Exceeded the maximum allowable temperature 1 of upstream DPF

23 : Exceeded the maximum allowable temperature 2 of upstream DPF

24 : Exceeded the maximum allowable temperature 1 of upstream DOC (Diesel Oxidation Catalyst)

# Starting and Driving

- 25 : Exceeded the maximum allowable temperature 2 of upstream DOC (Diesel Oxidation Catalyst)
- 26 : Service station regeneration not activated
- 27 : Service station regeneration not activated

## Switch-type regeneration steps

- 1 Stop the vehicle, shift into N gear (manual transmission models) / P gear (automatic transmission models), pull up the hand brake (or activate the parking brake), then turn off the ignition key (or ignition switch) for 2 minutes;
- 2 Start the vehicle;
- 3 Press and hold the DPF one-button regeneration switch for 2 seconds, DPF regeneration will start.

**Note: If the engine speed increases to 2000 rpm, it indicates that the regeneration is successfully triggered. If the engine speed does not increase, it indicates that it is not successful. Turn off the ignition key (or ignition switch) for 2 minutes, and then repeat the above steps again. Unless you have to drive after the regeneration starts, please keep in N gear (manual transmission models) / P gear (automatic transmission models). When the vehicle is stationary, do not make any other operations (such as depressing the brake pedal, depressing the clutch pedal, depressing the accelerator pedal, etc.) until the engine speed returns to idle speed.**

## Caution

The regeneration temperature of DPF is very high. Please park the vehicle in an open and ventilated place. During its use, make sure there are no flammable materials (such as dry grass, oil, etc.) around. If it cannot be successfully regenerated for many times, please go to Our Service Dealer for handling.

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## Conditions for regeneration

- DPF is overloaded, the particulate value exceeds the set value (level-1 and level-2 alarms appear on the instrument cluster).
- The water temperature is greater than 40°C.
- No DPF-related function errors.
- The vehicle speed is 0, and the shift lever is in N gear (manual transmission models) / P gear (automatic transmission models).

## Possible causes for regeneration failure

- The clutch pedal is depressed.
- The shift lever is not in N gear (manual transmission models) / P gear (automatic transmission models).
- The vehicle is not stationary (the vehicle speed is not 0).
- The accelerator pedal is depressed.
- The brake pedal is depressed.
- Engine states are not met (such as low water temperature, high exhaust temperature).

# Starting and Driving

- The engine has a DPF-related fault.
- Fail to follow the regeneration steps.

## High load driving regeneration steps

- 1 Carry out a high-load working condition cycle, such as high-speed driving (vehicle speed is maintained at 60 km/h and above);
- 2 Drive the vehicle continuously for about 20 minutes.

## Special driving conditions

In the following conditions, the vehicle can hardly start the triggered regeneration, and the efficiency of active regeneration is generally low or even none. The driver is required to pay attention to these conditions and avoid them as much as possible:

- Start/stop the vehicle repeatedly.
- Keep the vehicle in low speed and low load operating conditions for a long time.
- Idle for a long time while it is parked.

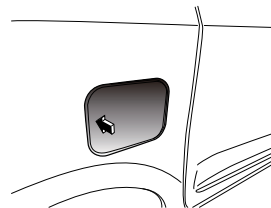
### Caution

Idle for a long time, causing the amount of DPF carbon deposits to increase cumulatively. If your vehicle always needs to work under long idling conditions, please actively step on the accelerator to accelerate the engine speed to 2000 ~ 2500 rpm to assist regeneration when the vehicle's active regeneration function is activated.

## Fuel

### Fuel filler cap

When the central control door lock is unlocked, press the left side of the fuel filler flap to open it, and the fuel filler is on the right.



Rotate the fuel filler cap counterclockwise to open it, and secure it on the bracket of the filler flap, then refuel. After refueling, 3 clicks need to be heard when tightening the fuel filler cap clockwise, which indicates that the fuel filler cap has been tightened in place, then close the fuel filler flap.

### Caution

- When the right sliding door is opened, the fuel filler flap cannot be opened.
- When the fuel filler flap is opened, do not open the right sliding door. If the right sliding door is opened by mistake, the right sliding door can only move back a short distance. After the fuel filler flap is closed, the right sliding door can be opened normally after being pushed inward.

## Refueling



**It is prohibited to mix fuel with engine oil, kerosene, paraffin, water or other liquids for use, which may damage the fuel system.**

**Do not fill so much fuel that the fuel can be seen in the filling port or overflows, leading to a fuel contact risk for you and other persons.**

Please use the fuel with the recommended label or above according to the fuel filler label of your vehicle's fuel tank. Please see "Major engine technical parameters".

### Caution

- It is recommended to use high-quality fuel free of additive or other engine cleaner.
- If you fill a wrong type of fuel by accident, contact our Service Dealer for service immediately. Do not start the engine at this time. If the engine is started with a wrong type of fuel filled, the fuel system components will be damaged severely. This kind of damage is not covered by warranty.



**In order to prevent fuel from overflowing, please stop refueling when the fuel filler nozzle is automatically closed. If you continue refueling at this time, the fuel tank will be overfilled and the fuel will overflow when the outdoor temperature is high or the vehicle makes a turn.**

## Saving fuel

Fuel consumption is mainly influenced by three factors:

- Vehicle maintenance mode

Regular vehicle maintenance shall be done by our Service Dealer in accordance with Warranty & Service Handbook.

– Check the tire pressure periodically.

- Vehicle driving mode

– Avoid high-speed driving at low gears (the gear shall be shifted), otherwise the vehicle will consume more fuel.

– Frequent cold start and/or short-distance driving consumes a lot of fuel.

– The vehicle will consume a lot of fuel when driving on a blocked or winding road or driving uphill.

– Pre-consider possible risks to avoid emergency brake.

– Make sure the parking brake handle is released completely during driving.

- Vehicle load

– The heavier the load is, the higher the fuel consumption will be. Do not add unnecessary load.

# Starting and Driving

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The following driving precautions will help you to save fuel and protect the environment.

- Ensure the tire pressures are correct.
- Avoid accelerating immediately after starting, and avoid depressing the accelerator pedal all the way down. The driving time at low gears shall not be excessively long.
- Try to use the top gear when the engine runs steadily.
- Pre-consider possible barriers, crossroads, sharp bends or traffic lights, and adjust vehicle speed correspondingly in advance.
- If it is predicted that the traffic may be blocked for a long time or it is required to wait for a long time, please shut down the engine if allowed by safety conditions.

- Fill the fuel tank after driving every day. This practice will reduce the possibility of fuel condensation and accordingly reduce the influence of water generated due to temperature rise after condensation on oil quality.
- Replace the element of fuel filter according to the recommended time interval (applicable for the models with the fuel filter outside the fuel tank).
- Maintain the battery power in normal state.

Caution
Additive may degrade the lubricating property of fuel, accelerating wear and damage of engine and fuel injector.

## Precautions for cold weather



It is prohibited to use lamp oil (kerosene) as the additive.

In order to reduce possible problems which may occur in cold weather, please consider the following suggestions:

- Please use the fuel conforming to winter requirements.
- Park the vehicle in an area where the fuel temperature can be maintained above  $-9^{\circ}\text{C}$ .

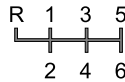
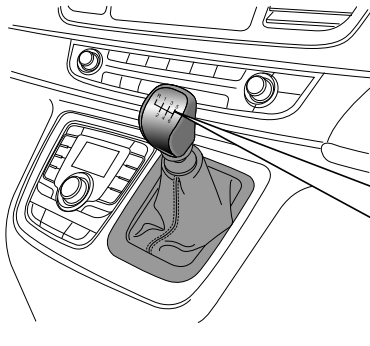
## Manual transmission

### Gear shift

To change gear, fully depress the clutch pedal then move the gear lever. After changing, release the clutch pedal slowly.

The gear positions are indicated on the gear lever knob.

### Six - speed manual transmission



**6th gear:** Move the gear lever fully to the right with force greater than the spring pressure, then move it down. When changing down to 5th gear, do not exert sideways pressure to the left as 3rd gear may be inadvertently engaged. This could cause the engine to over speed.

**Note:** *It is not possible to move the gear lever directly from 6th to reverse.*

**Reverse:** From the neutral position lift up the gear, and move the gear lever fully to the left with force greater than the spring pressure, then move it up.

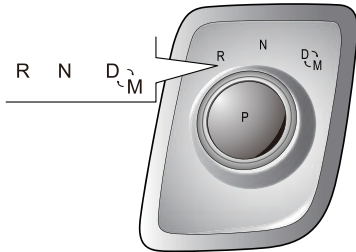
#### Caution

Before shifting into or out of reverse, the vehicle must stop completely. Up-shifting in sequence and no start up in 2nd gear. Do not coast the vehicle with the transmission set in neutral, especially when the vehicle travels downhill. Otherwise damage could be caused to the synchronizers and various bearings.

# Starting and Driving

## 8AT automatic transmission

### Gear and operation



**!** Situation of the mass surrounding the vehicle especially children must be checked before shifting to D (drive) or R (reverse) gear. Make sure the shift knob is in P (park) position before leaving the driver seat; then set the parking brake and shut down the engine.

To avoid damages to transmission, do not accelerate the engine under the condition of stepping on the brake pedal to engage R (reverse) gear or D (drive) gear. When parking uphill, do not secure the vehicle with engine power. Enable the parking brake. When the engine rotates at a speed higher than 2500rpm, do not shift from N (neutral) or P (park) gear to D (drive) or R (reverse) gear.

### P (Park)

**!** Engaging P (park) gear during vehicle running will cause transmission damage, therefore, do not engage P gear when the vehicle is in motion.

Do not use P (park) gear to replace the brake pedal. Make sure the shift knob is at P (park) gear and the parking brake is completely set.

The vehicle must be stopped completely before engaging P (park) gear. The transmission output shaft is locked in this position to prevent driving wheel from moving.

Shift out of P gear: After starting the engine, step on the brake pedal, and rotate the shift knob with one move to enter N gear state, the corresponding gear will be displayed on the instrument cluster.

Shift to P gear: When the vehicle is stopped, pressing the P gear button in the middle of the shift knob will enter P gear state.

### R (Reverse)

**!** Completely stop the vehicle before shifting to/out of R (reverse) gear; shifting to R gear during vehicle running will cause transmission damage.

This gear will be used to reverse.



# Starting and Driving

To engage R gear, step on the brake pedal and hold it when the vehicle is stopped. Then turn the shift knob counterclockwise to engage R gear. And the corresponding gear will be displayed on the instrument cluster.

When the vehicle is not stopped, 8AT automatic transmission will not respond to the request of engaging R gear.

## N (Neutral)

Shift to N gear: To shift to N gear from P gear, start the engine and step on the brake pedal, and rotate the shift knob with one move to enter N gear state; to shift to N gear from R gear, rotate the shift knob clockwise with one move; to shift to N gear from D/M gear, rotate the shift knob counterclockwise with one move; and the corresponding gear will be displayed on the instrument cluster.

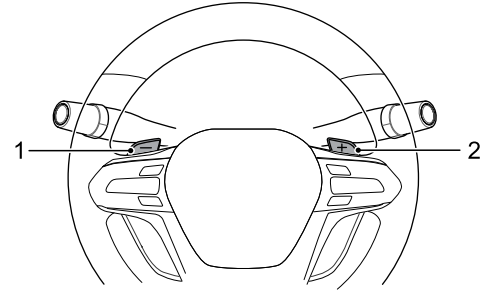
When the vehicle and transmission are not locked, the vehicle will slide down freely from a slightly inclined slope unless the brake pedal is depressed or the parking brake is set.

## D (Drive)

Rotating the shift knob clockwise with one move will shift from N gear to D gear; rotating the shift knob clockwise with one move will shift from M gear to D gear; and the corresponding gear will be displayed on the instrument cluster.

To rotate the shift knob to D gear, the transmission will automatically shift among 8 gears in sequence to provide the most fuel-efficient and the maximum power.

## M (Manual)



### When in

D gear, rotating the shift knob clockwise will shift to M gear. At this time, the gear can be manually switched by turning the upshift/downshift paddle on the steering wheel upwards.

In manual mode, the gear can be manually switched by operating the downshift paddle - (1) or the upshift paddle + (2) on the steering wheel. The gear displayed on the instrument cluster will indicate the current gear of the vehicle with M1 ~ M8.

In Manual mode, if the gear shift time selected by the driver is unreasonable, or if upshift at low engine speed or downshift at high engine speed, the transmission will not respond, and the vehicle drives still in the current gear. When the vehicle drives in a certain gear, and the engine speed is lower than a

# Starting and Driving

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certain value, the transmission will automatically downshift to an adjacent lower gear to avoid engine flameout; when the vehicle accelerates, and the engine speed rises up continuously to the maximum speed allowable by the gear, the transmission will automatically upshift to an adjacent higher gear to protect the engine if there is no upshift request.

## ***Exit***

In M gear mode, rotating the shift knob clockwise will engage D gear from M gear.

In M gear mode, rotating the shift knob counterclockwise will engage N gear from M mode.

## ***Temporary manual mode***

In D gear mode, operating the manual upshift/downshift paddle on the steering wheel can temporarily enter the manual mode. At this time, the gear can be manually switched by operating the upshift/downshift paddle.

Caution
Temporary manual mode is only for temporary use. It is not always in manual state. It responds only when you move the paddle, and then exits.

## **Auto Park function**

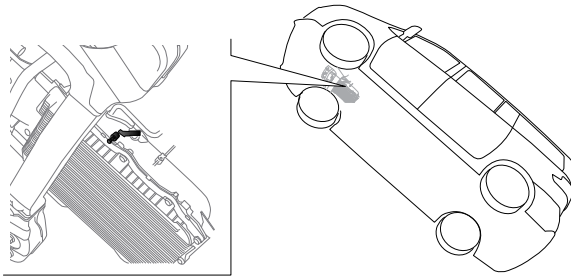
To guarantee safety, when the vehicle is powered off in non-P gear, the transmission will automatically enter the P gear.

When in N gear, if the driver has an action to open the door or leave the seat, the transmission will automatically enter the P gear to prevent slipping.

## Trailer mode (manually release P gear)

When the vehicle has a failure (flat battery, transmission controller failure, etc.) and the gearbox cannot be shifted out of P gear, the transmission must be manually released from P gear to N gear before the towing operation. Otherwise, the gearbox will be damaged.

The user needs to screw up the transmission bolt (as illustrated) as far as it will lift the rocker arm of the transmission to force the gear to N position. After manually releasing P gear, the illustrated bolt may come off or cannot be used again, please contact our Service Dealer for service.



## Power steering unit

### Hydraulic power steering unit

The vehicle is equipped with power steering unit, therefore the driver can maintain full control over steering in case of hydraulic failure, but greater force shall be applied to operate the steering wheel.

### Electric power steering unit

Electric power steering unit allows you to steer with minor force. When the steering system fails or the engine shuts down (the vehicle is towed by another vehicle), the driver can still maintain full control over the steering while needs to apply greater force to operate the steering wheel.


# Starting and Driving


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## Brake system

### Service brake

#### Dual brake hydraulic system

 A failure in one of the hydraulic pipelines will be indicated by illumination of the RED Brake System

Warning Light  on information center display while driving; it will result in increased brake pedal travel and effort, longer stopping distance and may cause the vehicle to pull to one side. Do not pump the brake pedal in an attempt to restore pedal pressure. If there is pressure failure in one of the brake pipelines, the cause must be investigated. **IMMEDIATELY bring the vehicle carefully to a halt. You should contact our Service Dealer for repair immediately. Do NOT continue to drive the vehicle.**

Should one of the hydraulic pipelines fail, the other circuit will continue to function.

#### General state

 Always ensure that floor mats or other objects do not disturb pedal movement.

Never rest your foot on the brake pedal as this may overheat the brakes, reduce their effectiveness and cause excessive wear. If brake pads/shoes have worn excessively, a squealing or screeching noise will be heard when the brakes are applied, and braking efficiency will be affected. You should contact our Service Dealer for repair as soon as possible.

If the engine stalls or stops for whatever reason, the brake servo assistance will exhaust after two pedal operations and as a result a much greater effort will be required in operating the pedal to achieve expected braking efficiency. In these circumstances the stopping distance may be longer.

If the vehicle is not in regular use or is garaged for long periods, the efficiency of the braking system could be impaired. You should contact our Service Dealer for repair as soon as possible.

## Wet state



**Driving in heavy rain and slushy roads will considerably reduce braking efficiency. At this time, keep safe distance from other vehicles and gently depress the brake pedal intermittently to dry the brake friction components. In severe wet weather this drying process may need to be repeated every few miles.**

**In winter months ice can form and salt accumulate on the brake pads and discs. Ice and salt accumulation will be cleaned off after a few light applications of the brake pedal.**

## Descending steep hills



**Overheating the brakes will reduce braking efficiency and may also cause the vehicle to pull to one side.**

Before descending steep hills which may require nearly constant braking, reduce the braking effort required by selecting a lower gear and using the braking effect of engine.

## ABS (Anti-lock braking system)

Your ABS prevents the wheels from locking under severe braking; thereby helping to you to maintain steering control. No special driving technique is needed.

Under normal braking (where sufficient road surface friction exists to prevent wheel lock), the ABS will not be activated.

An integral feature of this braking system is Electronic Brake Distribution (EBD), which is used to optimize the braking force at the rear wheels under full load condition.

Important rules when braking in emergencies with ABS:

- 1 Depress the clutch pedal and apply full braking force on brake pedal.
- 2 Steer around the obstacle. No matter how hard you brake, steering control is maintained.

# Starting and Driving

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## ABS in action



**ABS does not necessarily provide shorter stopping distances, which can vary greatly depending on road surface and conditions. In fact, stopping distances can be less on vehicles without ABS on some surfaces such as gravel and soft snow.**

**ABS cannot overcome the physical limitations of stopping your vehicle in too short a distance, cornering at high speed, or aquaplaning, i.e. where a layer of water prevents adequate contact between the tyres and the road surface.**

**ABS must never tempt you to take risks that could affect your safety or that of other road users. You still have a duty to drive within normal safety margins, having due consideration for the road surface, weather and traffic conditions.**

If the force of your braking should exceed the available adhesion between the tyres and the road, causing one or more wheels to lock, then ABS will automatically come into operation. You will hear the sound of a rapid pulsation which will also be felt through the brake pedal.

When braking in an emergency, always depress the clutch pedal and apply full force to the brake pedal, even if the road surface is slippery. ABS is activated immediately; it constantly monitors the speed of each wheel and varies the braking pressure to each according to the amount of grip available.

This prevents the wheels from locking and enables steering control to be maintained.

## Tips for driving a vehicle with ABS

- In an emergency braking situation, depress the clutch pedal and simultaneously apply full force to the brake pedal.
- Under normal braking, apply steady pressure to the brake pedal - DO NOT PUMP IT.
- Remember that steering control will always be available during braking.
- The availability of ABS does not eliminate the dangers of driving too close to the vehicle in front, aquaplaning, excessive cornering speeds, etc.
- ABS does NOT guarantee shorter braking distances.
- Do not be alarmed if you hear and feel a pulsing at the brake pedal. This is normal and indicates that the ABS is in operation.

## ESP (Electronic Stability Program)

### ESP function

ESP contains all the functions of ABS and TCS to avoid vehicle rollover and ensure the vehicle as safe as possible.

ESP is an advanced computer system that can help you control the vehicle driving direction in bad conditions. When the driving route detected by computer different from the actual driving direction, ESP will selectively apply braking force to one or several brakes to keep your vehicle in the direction you operated.

With ESP started, ESP indicators will flash on the dashboard. You may hear some noise or feel brake pedal vibration, that's normal.

With ignition switch turned to "ON" position, AMBER ESP Indicator lights on for 3 seconds. ESP can monitor driving status if started. During normal driving, ESP indicator goes out. In case of slip and low traction force, ESP works and flashes. If ESP fails, ESP indicator keeps lighting on and the vehicle shall be delivered to our authorized distributors for checking.

### Cautions for driving vehicles with ESP

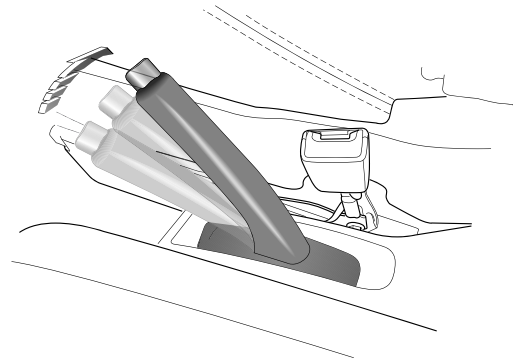
ESP can detect and analyze vehicle conditions, taking preventive measures by correcting wrong driving operation. However, anything has its limit and no safety device is absolutely safe if the driver blindly drives the vehicle over-speeding.

## Parking brake

### Applying handbrake

- Press the brake pedal down firmly.
- Pull the handbrake up firmly and check that it locks in the "up" position.
- Release the brake pedal and make sure that the vehicle is standstill.
- If the vehicle rolls, pull up the handbrake more firmly.

**Note:** For the vehicle configured with a manual transmission, move the transmission lever to Gear 1 (on the level ground or uphill) or R Gear (on the downhill), when the vehicle is to be parked. For the vehicle configured with a automatic transmission, move the transmission gear to Gear P, when the vehicle is to be parked.



# Starting and Driving

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With ignition switch in "ON" position, applying handbrake, RED

Brake System Warning Light  on the information center display will light on.

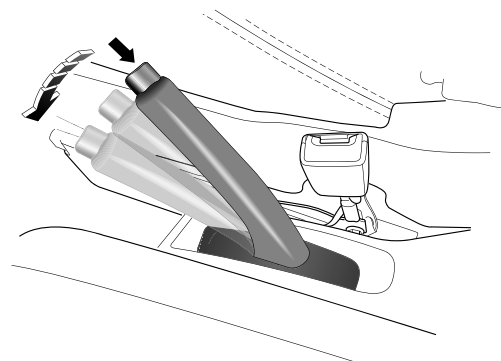
## Parking on a hill

If parked facing uphill, turn the front road wheels away from the kerb. If parked facing downhill, turn the front road wheels towards the kerb.

## Releasing handbrake

 **Before turning on ignition switch, do not release the handbrake. Otherwise you will not be able to steer the vehicle. Make sure the handbrake is fully released when driving and the RED Brake System Warning Light has gone out as a partially applied brake will overheat the rear brakes, reduce their effectiveness, cause excessive wear and may result in an accident.**

Pull the handbrake up slightly, press the button on the lever end and push the lever fully down.



## Warning lights

Warning lights related with brake system are "brake system warning light (red)", "ABS warning lights (red)", "EBD warning light (red)", see "Warning lights and indicators".



## Cruise control system

**!** Cruise control can be dangerous where you can not drive safely at a steady speed. Therefore, do not use the cruise control on winding roads or in heavy traffic. It is also dangerous to use the cruise control system while driving on a slippery road. On such roads, fast changes in tire traction can cause excessive wheel spin, and you could lose control. **Do not use the cruise control on a slippery road.**

Your vehicle may be equipped with the cruise control system. With the cruise control, you can maintain the vehicle speed at 40km/h or above without keeping depressing the accelerator pedal. The cruise control system does not work when the vehicle speed is less than 40 km/h.

For safety considerations, after the vehicle is started, cruise control system can be entered only when the brake signal is detected valid.

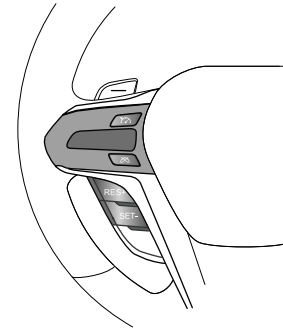
For vehicles with the traction control system or electronic stability control system, the system starts to limit wheel spinning when the cruise control system is working. In case of this situation, the cruise control will be automatically disabled.


## Cruise control settings


### Setting cruise control

**!** If the cruise control stays on when you do not use it, you may touch the switch and accidentally enter the cruise state. Then you may get scared and lose control of the vehicle. Therefore, keep the cruise control switch "Off" until you need to use the cruise function.

The cruise control switch is located on the steering wheel.



: cruise On/Off switch. Press this switch to turn on/off the cruise control system. Meanwhile the "cruise indicator lamp" in the instrument cluster will illuminate/go off correspondingly.

: cruise cancel switch. Press this switch to cancel the cruise function without clearing the set speed in the memory.


# Starting and Driving

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RES+: cruise recovery/acceleration switch. If a set speed has been stored, press this switch to resume the speed; and press this switch again to accelerate (1km/h per time).

SET-: cruise setting/deceleration switch. Press this switch to set a speed. Then the cruise function will be enabled and the "cruise indicator lamp" in the instrument cluster will turn green from white. If the cruise function is operating, press this switch to decelerate (1km/h per time).


## **Setting speed**

- 1 Press  to start the cruise control. Meanwhile the "cruise indicator lamp (white)" in the instrument cluster will illuminate.
- 2 Accelerate to the speed required.

**Note: This speed must be higher than 40km/h.**

- 3 Press SET- switch and then release it. The current speed will be stored and maintained, and the "cruise indicator lamp" in the instrument cluster will turn green from white.
- 4 Release the accelerator pedal, and then the vehicle will cruise at a steady speed. The cruise control function will be disabled when the brake is enabled.

## **Resume the set speed**

If you have set the cruise speed of cruise control system, the cruise control function will be disabled when you depress the brake pedal or press , but this set speed in the memory will

not be cleared. To resume the preset speed, press RES+ switch when the vehicle speed reaches 40km/h or above, and then the vehicle speed will recover to the preset value.

## **Accelerating with cruise control enabled**

There are two methods to accelerate:

- Accelerate by depressing the accelerator pedal.
- If the cruise control system has been enabled, press RES+ switch and hold it until the vehicle accelerates to the desired speed, and then release it. To accelerate by minor increment, short press RES+ switch and the release it. Each time this is done, the vehicle goes about 1 km/h faster.

## **Decelerating with cruise control enabled**

If the cruise control system has been enabled:

- Press SET- switch and hold it until the vehicle decelerates to the desired speed, and then release it.
- To decelerate by minor increment, press SET- switch and the release it. Each time this is done, the vehicle goes about 1 km/h slower.

## **Overtaking with cruise control enabled**



Speed up with the accelerator pedal. When you release the accelerator pedal, the vehicle will decelerate to the preset cruise control speed.

## Using cruise control on slopes


The performance of cruise control system on a slope depends on the vehicle speed, load and gradient of the slope. When the vehicle runs uphill, it may be required to depress the accelerator pedal to maintain the vehicle speed. When the vehicle runs downhill, it may be required to brake or shift to a low gear to maintain the vehicle speed. The cruise control function will be disabled when the brake is enabled.

## Terminating cruise control

There are three ways to disable the cruise control:

- Slightly depress the brake pedal once; the "cruise indicator lamp" in the instrument cluster will turn white from green when the cruise control is disabled.
- Press .
- Press  to completely close the cruise control system. The cruise control speed will not be resumed.


## Clearing speed memory

When you press  or turn off the ignition switch, the cruise control set speed memory will be cleared.

## Parking assist system

**Note:** *The type of the parking assist system equipped on your vehicle depends on the actual configuration of the vehicle you purchased.*

## Parking sensor

 The parking assist system is not always reliable and is only playing the role of guidance! The parking sensors might not detect some types of obstacles, including slim objects (such as wire nets and ropes), small objects closing to the ground, conic objects, and some objects with non-reflective surfaces.

The parking sensors shall be free of dirt, ice, and snow. The sediment on surfaces of parking sensors will impair the normal functioning of the sensors. Therefore, avoid directly flushing the parking sensors from a short distance by high pressure water gun while washing your vehicle.

Four parking sensors installed on the rear bumper are functioned to scan the rearward area of vehicle, in order to judge the presence of obstacles. Upon detection of any obstacle, the parking sensors will calculate its spacing from the rear of the vehicle and send the information to the driver by alerting tones. It's really important that this system is only a parking assist system and can't function as the replacement for your observation and personal judgment.

# Starting and Driving

Working status of parking sensor assist system:

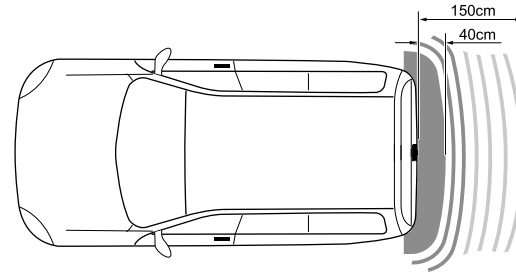
When the gearshift lever is shifted to reverse gear (R), the parking assist system will sound a short beep tone, which prompts that the system starts automatic working. The parking assist system stops working when the gearshift lever is shifted to any other gear.

**Note: If the system sounds a long beep tone after the gearshift lever is shifted to reverse gear (R), it indicates that this system is malfunctioned. In such case, please contact an authorized service provider of our company for checking and repair.**

During reversing:

The system starts to sound the alerting tone when the vehicle is approximately 1.5m reach from any rearward obstacle. The closer the spacing from any obstacle is, the shorter the interval of alerting tone is.

If the vehicle is less than 0.4m reach from any rearward obstacle, the system will sound continuously the alerting tone. In such case, the obstacle can't be effectively identified if the vehicle is reversing further.



## Front and rear parking sensors

**! The parking assist system is not always reliable and is only playing the role of guidance! The parking sensors might not detect some types of obstacles, including slim objects (such as wire nets and ropes), small objects closing to the ground, conic objects, and some objects with non-reflective surfaces.**

**The parking sensors shall be free of dirt, ice, and snow. The sediment on surfaces of parking sensors will impair the normal functioning of the sensors. Therefore, avoid directly flushing the parking sensors from a short distance by high pressure water gun while washing your vehicle.**

# Starting and Driving

Two parking sensors installed on the front bumper and four parking sensors installed on the rear bumper are functioned to scan the rearward area of vehicle, in order to judge the presence of obstacles. Upon detection of any obstacle, the parking sensors will calculate its spacing from the vehicle and send the information to the driver by alerting tones. It's really important that this system is only a parking assist system and can't function as the replacement for your observation and personal judgment.

Working status of parking sensor assist system:

When the gearshift lever is shifted to reverse gear (R), the rear parking sensors start working.

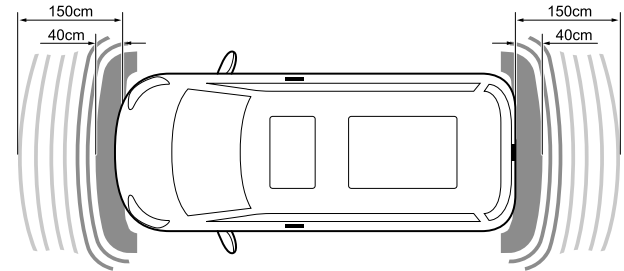
When the gearshift lever is at a forward gear and the current vehicle speed is less than 10km/h, the front parking sensors start working.

**Note: If the system sounds a long beep tone after the gearshift lever is shifted to reverse gear (R) or a forward gear, it indicates that this system is malfunctioned. In such case, please contact an authorized service provider of our company for checking and repair.**

During parking:

The system starts to sound the alerting tone when the vehicle is approximately 1.5m reach from any obstacle. The closer the spacing from any obstacle is, the shorter the interval of alerting tone is.

If the vehicle is less than 0.4m reach from any obstacle, the system will sound continuously the alerting tone. In such case, the obstacle can't be effectively identified if the vehicle is reversing or driving forward further.



2

## Parking camera

**! The parking camera assist system is not always reliable and is only playing the role of guidance! Due to limited visual field, the parking camera can't detect any obstacle beyond its visual field.**

Working status of parking camera assist system:

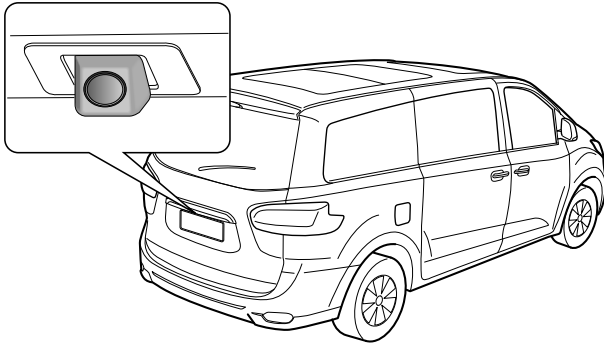
When the gearshift lever is shifted to reverse gear (R), the interface of entertainment system screen will switch over to

# Starting and Driving

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the working interface of parking camera and the screen will display the real-time image behind your vehicle for the driver's reversing reference.

When the gearshift lever is shifted to any other gear, the parking camera assist system will stop working and the display screen will restore the previous interface before reversing.



**Note:** When the gearshift lever is shifted to reverse gear (R), the parking camera will output the static reversing trajectories. By taking the ground plane as the reference, the static reversing trajectories are displayed in segments by three colors (red, yellow, and green) on the entertainment system screen.

## Tyres



**DEFECTIVE TYRES ARE DANGEROUS!**

**Do NOT drive your vehicle if any tyre is excessively worn or damaged, or is inflated to an incorrect pressure.**

**Do NOT overload vehicle.**

Incorrect tyre inflation pressure or an unbalanced wheel and tyre assembly can seriously affect stability, especially when driving with high payloads or at high speed. Under-inflation also increases rolling resistance which increases fuel consumption, accelerates tyre wear and causes tyre damage which can even lead to an accident.

Always drive with consideration for the condition of the tyres; the most common causes of tyre failure are:

- Bumping against kerbs.
- Driving over deep pot holes.
- Driving with under or over-inflated tyres.

Uneven tread wear can be caused by faulty wheel alignment.

## Anti-skid chain

When driving vehicle on the snow, it is recommended to apply S anti-skid chain to the driving wheels.

Anti-skid chain could increase the traction when driving on road in the winter. If you want to fit the anti-skid chain, please remember that:

- 1 Not all wheels and tyres are suitable for anti-skid chain.  
When fitting anti-skid chain, only approved tyre size can be used.
- 2 Apply anti-skid chain to the driving wheels. Follow the instructions of anti-skid chain manufacturer.

It is just on the snow that you can drive the vehicle at maximum speed allowed by the anti-skid chain. Please follow the regulations in your country. Remove the anti-skid immediately when on the snow-free road.

## Winter tyres

If the vehicle is expected to travel on the pavements of ice and snow frequently, it is better to equip it with winter tyres. Summer tyres have poor antiskid performance on icy and snowy pavements because of its structure (width, rubber constituent and pattern type etc. of tyre). Although all season tyres can provide good comprehensive performance on most surfaces, they may not be able to provide the force of friction you expect or same performance with winter tyres on pavements covered by ice or snow. In general, using winter tyres is to increase the force of friction when travelling on the icy and snowy pavements.

Some phenomena may occur after using winter tyres, such as traction going down when travelling on the dry road, road noise increased and tread life shortened. Please pay attention to the changes of operation and braking of vehicles after changing the winter tyres.

For availability of winter tyres and detailed information for choosing suitable tyres, please consult our Service Dealer.

If you choose to use winter tyres:

- Use tyres with same brand and tread pattern type on the four wheels.
- Only use the radial tyre that has the same size, load range and nominal speed with the original tyre.
- If you choose winter tyres with relatively low nominal speed, please do not exceed the maximum nominal speed of the tyre.

# Starting and Driving

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## Loading

It is the driver's responsibility to ensure no overload in accordance with Chinese laws.

**Note:** GVW is indicated on the VIN Plate located at front lower of "B" pillar. This handbook introduces the correct vehicle weight parameters, see "Vehicle weight parameters".

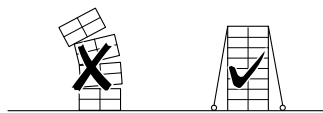
## Load carrying

The load should be carried between the two axles, i.e. not at the extreme front or rear of the load carrying area. Bulky loads should be evenly distributed with the heaviest items placed between the two axles.

## Load restraint

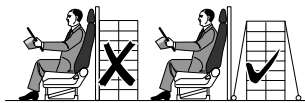
**!** Secure all loads in the vehicle to prevent personal injury due to movement of load.

**Note:** It is the driver's responsibility to ensure that loads are properly secured.



## Partition

**!** The full partition is not designed to restrain loads. Loads shall be secured properly against movement even with a partition fitted.



## Hazardous loads

There is a legal requirement to display a specific type of external warning sign on the vehicle if certain hazardous goods are being carried.




## **Emergency Troubleshooting**

- 142 Hazard warning light
  - 142 Warning triangle
  - 143 Replacing wheel
  - 147 Towing vehicle
  - 149 Water draining of fuel filter
  - 150 Jump start
  - 152 Replacing fuse
  - 159 Replacing bulbs
-

# Emergency Troubleshooting

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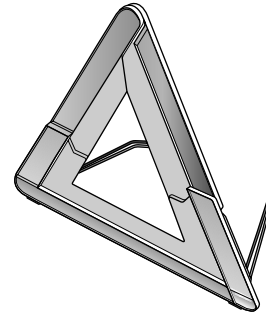
## Hazard warning light

When your vehicle needs to stop or slow down, press hazard warning light switch  on the instrument cluster to light on GREEN Turn Signal Indicator Lamp and flash all turn signals, warning others and making the police know you are in trouble.

## Warning triangle

The warning triangle is placed in the storage box under the driver's seat.

If you have to pull off the vehicle, you need to place a warning triangle about 100m right behind the vehicle to warn other incoming vehicles.



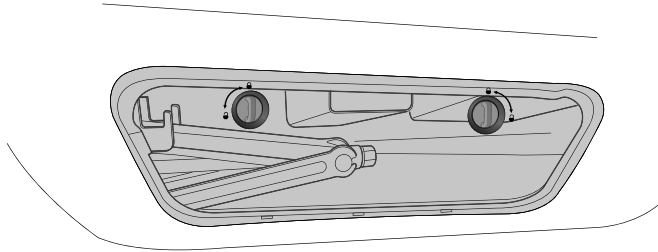
# Emergency Troubleshooting

## Replacing wheel

### Jack

#### Location

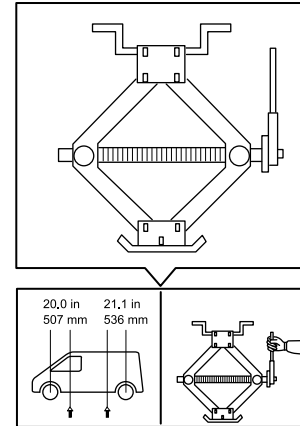
Jack is in the storage tank under the driver's seat.



#### Specification

**!** This jack is just for replacing wheel. Never use it for others. This jack is just for your vehicle and never use it for other models.

**!** The jack should be used on level firm ground wherever possible. It is recommended that the wheels of the vehicle be chocked, and that no person should remain in a vehicle that is being jacked. No person should place any portion of their body under a vehicle that is supported by a jack.



# Emergency Troubleshooting

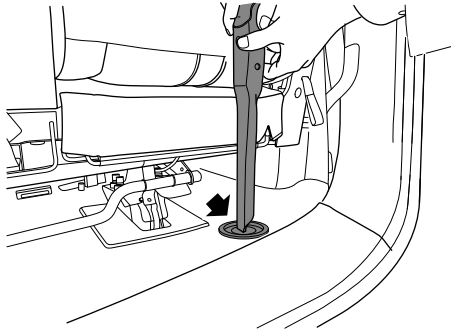
## Spare tyre

**!** Check the pressure of spare tyre regularly. Using spare tyre of incorrect pressure shall influence wheel stability, which may cause danger and permanent damage to the wheel.

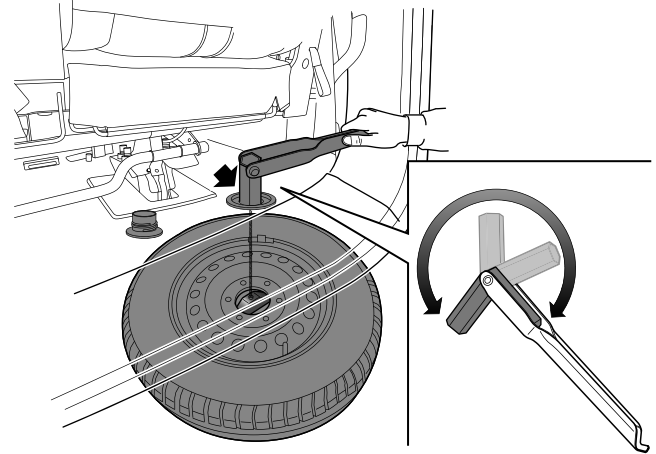
The spare tyre is installed at rear bottom of the body, it is possible to use the socket wrench in the toolkit in the vehicle to turn the anchor bolt of the transmission gear.

### Remove the spare tyre

- 1 Open the trunk door;
- 2 Use a socket wrench to unscrew the hex bolt covers of the spare tyre device;

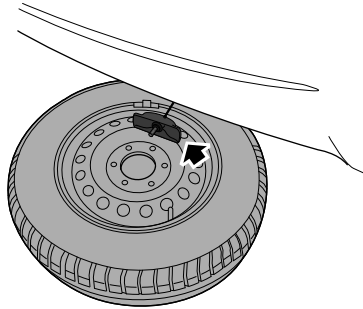


- 3 Turn the socket wrench anti-clockwise to lower the spare tyre until the spare tyre is lowered to the ground;



- 4 After the spare tyre is lowered to the ground, turn the socket wrench anti-clockwise continuously and pull out the spare tyre. It is not allowed to turn the wrench excessively, otherwise it may damage the spare tyre device;
- 5 Pull out the tray from the spare tyre.

# Emergency Troubleshooting



## Install the spare tyre

- 1 Place the spare tyre onto the ground with the valve being upward;
- 2 Place the spare tyre under the vehicle, and install the tray of the spare tyre device at the center of the spare tyre;
- 3 Turn the socket wrench clockwise until a click sound is produced, indicating that the spare tyre has been installed in place.

### Caution

Make sure that the tray of the spare tyre device is aligned with the center of the spare tyre, otherwise the spare tray is lost from the tray, resulting in accident.

## Replacing wheel

### Vehicle parking

**!** Park your vehicle in firm and level ground without disturbing traffic or traffic hazard to yourself.

If on the public road, please turn on hazard light and position a warning triangle.

Ensure that the ground where the jack located is firm enough to support the jack and the vehicle to be lifted; otherwise it will move for instability, causing damage to the vehicle and / or personal injury.

Secure other wheels with proper wheel stoppers.

Never use jack if the ground is sloping. If jack is unsuitable to use or you are unsure to complete the task safely, please ask for assistance.

Road wheels must be straight-ahead.

While switching off the engine, apply handbrake and shift the gear to 1st or reverse position.

# Emergency Troubleshooting

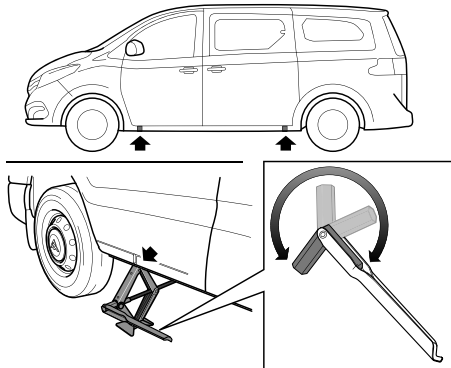
## Positioning jack

**!** Only use jack at specified jacking points. The lifting height shall not be more than the height necessary for tyre replacement (for example, no more than 30cm above the ground).

Before using the jack, ensure all occupants have left the vehicle. No person should place any portion of their body under a vehicle that is supported by a jack.

The jack shall be perpendicular to the vehicle body while lifting.

Put the jack at designated position under the frame. The jacking position is a fixing position that is welded to the frame and guides the jack by two tabs and one ridge point.



## Replacing with spare tyre

**!** Never start the engine while lifting. Never get under the lifted vehicle.

Before removing wheel nuts, ensure the vehicle is firm without sliding or moving.

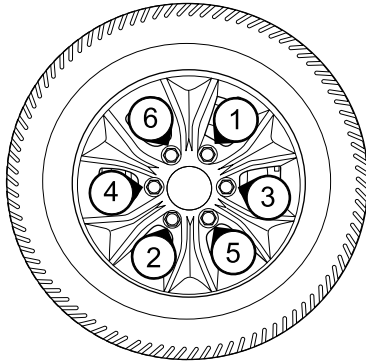
Torque wrench shall be used to check exact tightening torque of wheel nuts and tyre pressure as soon as possible after replacing the wheel.

Replaced wheel, jack and vehicle tool kit must be stored in specified location. Otherwise they may cause damage or personal injury during impact or heavy braking if casually or improperly placed.

- 1 Remove the spare tyre, see “Spare tyre”;
- 2 Check the jack is still perpendicular to the jacking points; Change position when necessary.
- 3 Slacken the wheel retaining nuts anti-clockwise with socket wrench in the vehicle tool kit.
- 4 Turn the center screw of jack with socket wrench until the wheel to be replaced is just clear of the ground.
- 5 Remove the wheel securing nuts and carefully remove the wheel.
- 6 Replace with spare tyre and secure wheel nuts clockwise.
- 7 Lower the vehicle body and remove the jack.

# Emergency Troubleshooting

- 8 Fully turn wheel retaining nuts according to diagonal sequence (see illustration). Torque of wheel bolts: 125±13 Nm.
- 9 Put away replaced wheel, jack, socket wrench and vehicle tool kit.
- 10 The vehicle wheel removed is mounted at the position of the spare tyre. For details, see “Spare tyre”.



## Caution

Make sure that the tray of the spare tyre device is fully lifted and fastened, even if the spare tyre is not mounted.

## Towing vehicle

While towing or being towed, relative national regulations about vehicle towing shall be abided by.

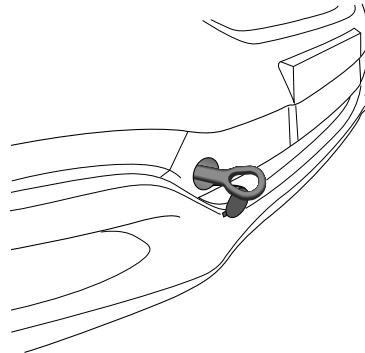
## Towing hitch

### Front towing hitch

#### *Installation location of the front towing hitch (type 1)*

If it is necessary to tow the vehicle from the front, first take down the blanking cap of the front towing hitch from the front bumper on the right side, screw on the front towing hitch which is in the toolkit to the right side of the front bumper.

After completion of vehicle traction screw off the front towing hitch, then fix the blanking cap of the front towing hitch on the right side of the front bumper.

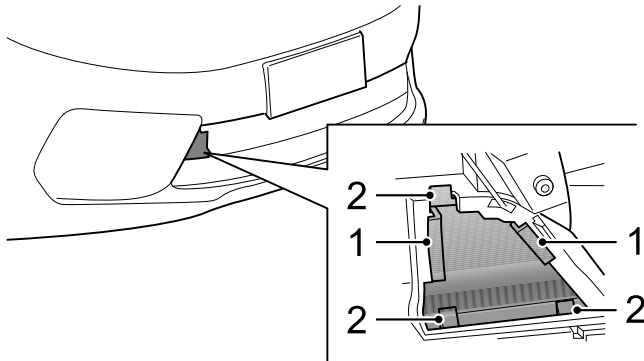


# Emergency Troubleshooting

## Installation location of the front towing hitch (type 2)

If it is necessary to tow the vehicle from the front, first from top to bottom along the sliding chute take down the blanking cap of the front towing hitch from the front bumper on the right side, screw on the front towing hitch which is in the toolkit to the right side of the front bumper.

After completion of vehicle traction screw off the front towing hitch, then from top to bottom along the sliding chute click the blanking cap of the front towing hitch into place, and fix it via 3 bayonets.

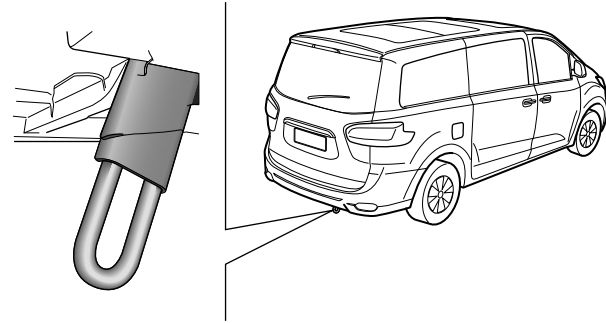


1 sliding chute

2 bayonet

## Rear towing hitch

Towing hitch in the rear of the vehicle can be used to tow other vehicles from behind.



### Caution


Max. trailing load of vehicle rear towing hitch is 1,400 kg and never tow vehicle above this load.



# Emergency Troubleshooting


## Towing

### Before towed

 In order to ensure free movement of steering unit, always turn ignition switch to "ON" position and hold during towing process to ensure the normal operation of steering unlock, direction indicator and brake lamp. This ensures that the steering unlock and steering indicator and brake lamp can be operated.

### Being towed

When being towed, release handbrake and engage neutral.

 No brake servo and power steering assistance when the engine is not running. At this time, greater force will be needed to operate brake pedal and longer time and greater force to turn the steering wheel.

#### Caution

When hauling the vehicle, the driving distance cannot exceed 20 km during hauling to prevent severe damage to the transmission, and the traction speed cannot exceed 20 km per hour; It is prohibited to haul the vehicle in a reverse manner, otherwise it will damage the planetary gear mechanism in the transmission.

## Water draining of fuel filter

 Be sure to wear proper gloves to protect hands from touching diesel.

Drain water according to the following steps:

- 1 Turn the ignition switch to "LOCK" position.
- 2 Put a proper container under the fuel filter drain bolt and unscrew the drain bolt (1) with a proper tool.
- 3 Drain till clean diesel appears, then re-tighten the drain bolt (1) to 2 ~ 2.5 N.m.
- 4 Start the engine. "Fuel filter water level warning lamp (yellow)" shall go out in 2 seconds. Check the filter for fuel leakage.

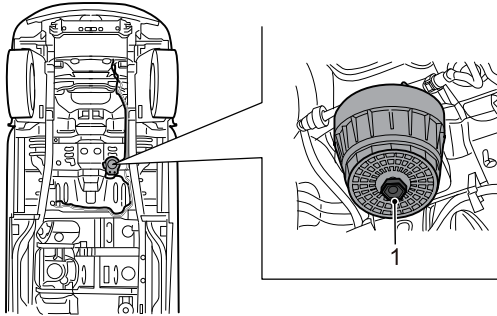
#### Caution

If "fuel filter water level warning lamp" on the instrument cluster illuminates during driving, please park the vehicle in a safe place, shut down the engine and drain water.



**Do not pour diesel fuel into domestic or public sewage system. Please use locally approved waste treatment equipment.**

# Emergency Troubleshooting

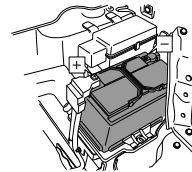


## Jump start

### Battery disconnection

**⚠** Always wear protective gloves and eye protecting glasses when working on a battery. Do not use naked light, cause sparks or smoke in the area of the battery. You can be seriously injured and the vehicle damaged.

Disconnect battery, be sure to disconnect negative (-) earth terminal first and then positive (+). Connect battery, fit and secure positive (+) cable first and then negative (-) cable. Smear the terminals with petroleum jelly.



### Caution

Before disconnecting the battery, always switch off the engine and all electrical appliances for more than 2 minutes. While disconnecting, never allow the terminal contacts the metal parts of vehicle body. Otherwise short circuit may cause electric spark. Electrical system may be damaged if connecting positive and negative cable reversely.

# Emergency Troubleshooting

## Jump start

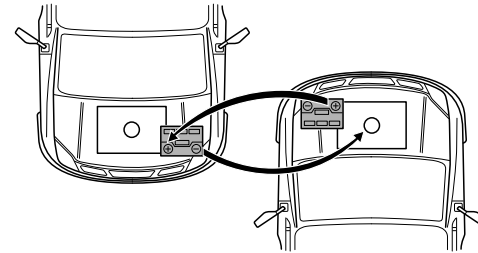


Never pull or tow the vehicle to start.

Ensure the rated voltage of two batteries is the same (12V) and the jumper cable is acknowledged as the cable used for 12V vehicle battery.

## Jumper

- Pull two vehicles together as possible.
- Switch off the engine and all electrical devices.
- Connect the positive terminals (+) of two batteries with red jumper cable.
- Connect black jumper cable from power supplying battery negative terminal (-) to earth point (not negative terminal) of battery that needs to be powered.
- Ensure all connection mechanisms are well connected.
- Check that the jumper cable clear of any moving parts when the engine starting.
- Check that the handbrakes of the two vehicles are applied and transmission gear is in N position(manual transmission) or in P position(automatic transmission).



## Starting

Start the vehicle whose battery supplies power and allow it to idle for several minutes.

- Start the vehicle whose battery needs to be powered.
- After starting the engine, allow it to idle for more than two minutes.

**Note:** *If it fails to start after several attempts, the vehicle may need maintenance.*

## Disconnecting

- Switch off the engine of the vehicle that supplies power.
- Ensure the cable terminals shall not contact with each other and clear of any moving parts of the engine during disconnecting.
- Remove the jumper cable. Removal is the reverse of connection.

3

# Emergency Troubleshooting

## Replacing fuse

Fuses of this vehicle are located in three boxes.

### Caution

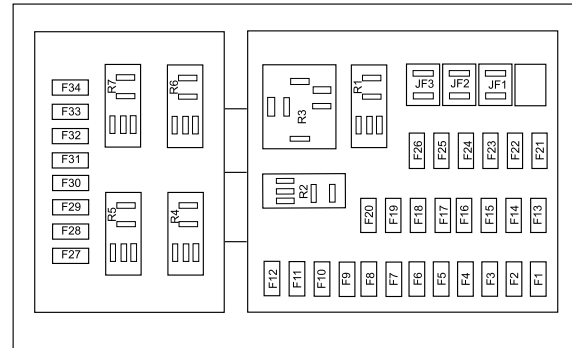
Spillage of liquid to any electric components in the vehicle may damage the components, so it is required to cover any electric components. The content of the fuse specification list according to the vehicle configuration and technical status will be constantly updated, please refer to actual state of your vehicle.

## Fuse box in the driver's cab

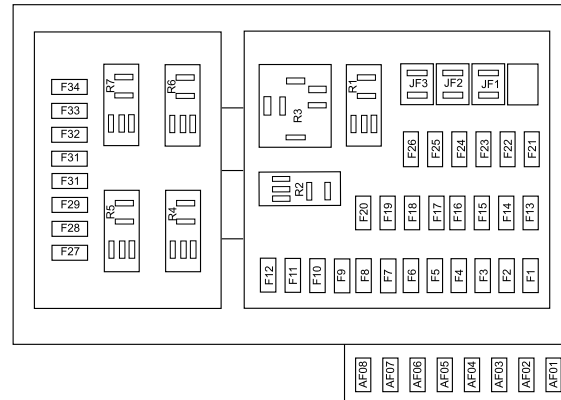
The fuse box in the driver's cab is located behind the console box at the driver side.

The fuse in the fuse box of the driver's cab can be identified by bearing a tag at back side of the console box at the driver side.

## Type 1



## Type 2



# Emergency Troubleshooting

## Specification of fuse in the driver's cab

Fuse	Specification	Function
F1	7.5A	Engine controller
F2	10A	Gateway/instrument cluster/DCDC
F3	10A	Airbag
F4	5A	ABS/ESP/steering angle sensor
F5	10A	Adaptive headlamp control/tyre pressure monitoring controller/auto anti-dazzle rearview mirror/power tailgate/power sliding door
F6	7.5A	Automatic transmission/passive keyless entry (PKE) system/electronic shifter/radar/electric power steering
F7	Spare	Spare
F8	20A	Parking fuel heating
F9	Spare	Spare
F10	15A	Rear cigarette lighter
F11	10A	On-board diagnostic system
F12	15A	Passive keyless entry system/kick sensor
F13	15A	Power sunroof
F14	15A	On-board inverter
F15	25A	Window regulator motor (left)
F16	25A	Window regulator motor (right)
F17	5A	Rear blower feedback

Fuse	Specification	Function
F18	10A	On-board inverter/exterior rearview mirror switch
F19	15A	Front cigarette lighter
F20	10A	Audio mainframe/roof display/antenna
F21	10A	Ignition switch/tyre pressure monitoring system
F22	10A	Automatic transmission/electronic shift lever
F23	15A	Entertainment system mainframe/360 mainframe
F24	10A	Instrument cluster/engine immobiliser/power sliding door/power tailgate
F25	15A	Horn
F26	10A	A/C control panel/adaptive headlamp controller
F27	5A	Front blower feedback
F28	Spare	Spare
F29	10A	Front/rear A/C panel/parking heating switch/adaptive lighting/sunroof/rain sensor
F30	Spare	Spare
F31	Spare	Spare
F32	Spare	Spare
F33	Spare	Spare
F34	7.5A	Rearview mirror heating/rear defrost/defrost feedback

## Emergency Troubleshooting

Fuse	Specification	Function
AF01	25A	2nd row left power seat
AF02	25A	2nd row right power seat
AF03	20A	Driver seat heating
AF04	20A	Front passenger seat heating
AF05	Spare	Spare
AF06	10A	Front seat power lumbar support
AF07	25A	Driver power seat
AF08	25A	Front passenger power seat
JF1	Spare	Spare
JF2	Spare	Spare
JF3	Spare	Spare

### Engine compartment fuse box

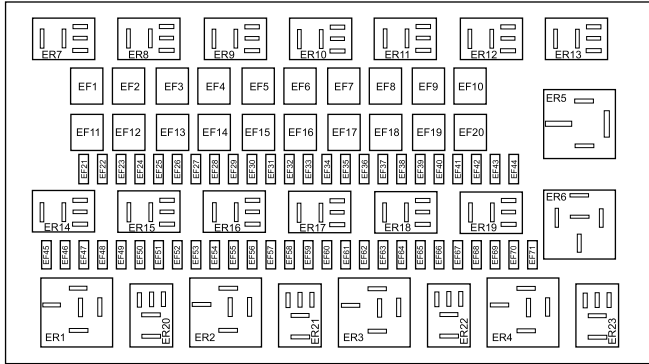
The engine compartment fuse box is located at right side of the compartment wall at bottom of the engine hood (when it is viewed from the front of the vehicle).

#### Caution

Before opening the fuse box cover, make sure that the surrounding environment is dry, and no liquid flows in the fuse box with cover open in any direction, otherwise, it may damage the fuse box, causing serious consequence.

The fuse can be touched only by removal of the engine compartment fuse box. The fuse in the engine compartment fuse box can be identified by the label printed at the back of the fuse box.

# Emergency Troubleshooting



## Specification of engine compartment fuse

Fuse	Specification	Function
EF1	30A	ABS/ESP power supply 1
EF2	40A	HCU
EF3	40A	Front blower
EF4	40A	ABS/ESP power supply 2
EF5	60A	Electric heating control unit
EF6	40A	Electric auxiliary heating 1
EF7	40A	OBD/PEPS/kick sensor/ACC power supply
EF8	30A	Starter
EF9	50A	IEC power supply 1/DC voltage stabilizer

Fuse	Specification	Function
EF10	30A	Exterior lights
EF11	30A	Main relay
EF12	30A	Right power sliding door
EF13	40A	Electric auxiliary heating 2
EF14	30A	Left power sliding door
EF15	30A	2nd row seats
EF16	30A	Seat heating
EF17	30A	Power seat
EF18	40A	Power regulator/inverter sunroof/window
EF19	30A	Power tailgate
EF20	40A	Electric auxiliary heating 3
EF21	10A	Power rearview mirror folding/DC voltage stabilizer
EF22	25A	Low beam/trunk lamp
EF23	15A	Direction indicator
EF24	30A	IEC power supply 3
EF25	15A	Front fog lamp
EF26	10A	EMS
EF27	20A	Fuel pump
EF28	20A	Front wiper
EF29	30A	Rear blower

## Emergency Troubleshooting

Fuse	Specification	Function
EF30	15A	Daytime running lamp/urea pump and urea solution temperature sensor
EF31	15A	A/C compressor
EF32	30A	Rear window defrost/rearview mirror heating
EF33	20A	Headlamp washing
EF34	10A	Brake lamp/battery current sensor
EF35	30A	Fuel heating
EF36	15A	Gateway
EF37	15A	BCM power supply 2
EF38	10A	Fuel filler flap
EF39	Spare	Spare
EF40	Spare	Spare
EF41	Spare	Spare
EF42	Spare	Spare
EF43	10A	PTC relay coil end
EF44	30A	IG power supply
EF45	10A	Automatic headlamp regulator motor
EF46	Spare	Spare
EF47	Spare	Spare
EF48	Spare	Spare
EF49	Spare	Spare

Fuse	Specification	Function
EF50	Spare	Spare
EF51	15A	Rear wiper
EF52	25A	ODB
EF53	10A	Interior lights
EF54	15A	Main relay power supply 1
EF55	10A	Rear oxygen sensor
EF56	20A	Main relay power supply 2
EF57	20A	Main relay power supply 3
EF58	Spare	Spare
EF59	Spare	Spare
EF60	Spare	Spare
EF61	Spare	Spare
EF62	Spare	Spare
EF63	Spare	Spare
EF64	Spare	Spare
EF65	Spare	Spare
EF66	Spare	Spare
EF67	Spare	Spare
EF68	Spare	Spare
EF69	Spare	Spare

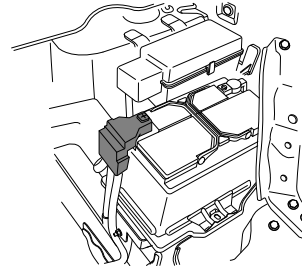


# Emergency Troubleshooting

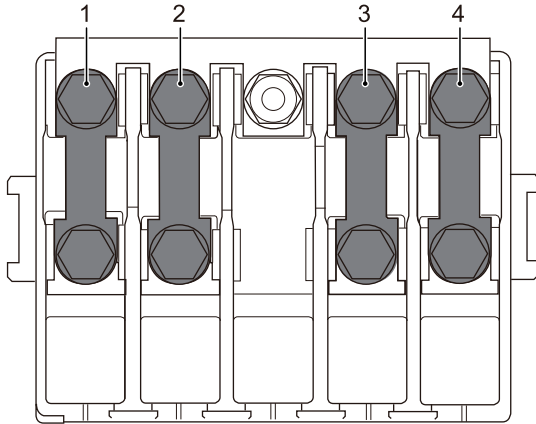
Fuse	Specification	Function
EF70	Spare	Spare
EF71	Spare	Spare

## Battery fuse box

The battery fuse box is located on the positive terminal of the battery.



# Emergency Troubleshooting



## Specification of battery fuse

Fuse	Specification	Function
1	175A	UEC (engine compartment fuse box)
2	110A	EPS (electric power steering device)
3	175A	ALT (alternator)
4	100A	FAN (cooling fan)

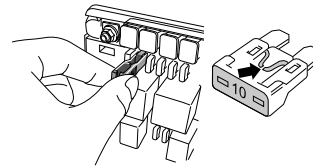
## Replacing fuse

**!** Only replace with fuses of the same specifications / rated current. Fitting nonspecific fuse will damage electrical system and even cause fire.

Before attempting to replace the fuse, ignition switch and all electrical devices shall be turned off. Any unauthorized change to vehicle electrical system will cause serious adverse effect and fire on the electronic management system.

Pull the fuse outward with puller provided in fuse box to remove the fuse. Internal wiring of the fuse can be used to identify blown fuse (arrowed).

**Note:** Repeated faults occurred to the same fuse indicates circuit failure and you should contact our Service Dealer for repair as soon as possible.



### Caution

Unauthorized changes to electrical system will make warranty invalid.

# Emergency Troubleshooting

## Replacing bulbs

Before replacing any bulbs, turn off ignition switch and light switch to prevent any possible short circuit.

When removing or fitting bulbs, never touch the bulb with hands and if touching, clean hand trace on the bulb with cloth or alcohol.

### Caution

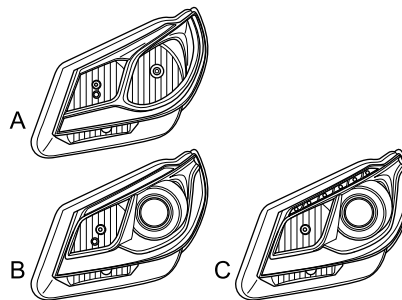
Replace with bulb of the same type and specification as the original one.

**Note:** *The low beam lighting system with xenon lamp is operated at high pressure. Attempt to repair the system parts probably causes serious personal injury. Please contact our Service Dealer for repair.*

## Bulb specification

Bulb	Specification
Front turn signal	PY21W
Front position lamp	W5W
Front fog light	H3
Rear turn signal	PY21W
Brake light/Rear position lamp	P21/5W
Reverse light	W16W
Rear fog light	P21W

Bulb	Specification
Registration plate light	W5W
Front roof reading light	W5W
Rear roof reading light	W5W
Trunk lamp	W5W
Low beam/High beam(Type A)	H7LL/H1LL
Low beam/High beam(Type B)	H7/H7
Low beam/High beam(Type C)	D3S/H7



Bulb removal procedures are as below (no re-description for fitting procedures as they are the reverse of removal) and for other bulbs not listed for replacement, you should contact our Service Dealer for repair as soon as possible.

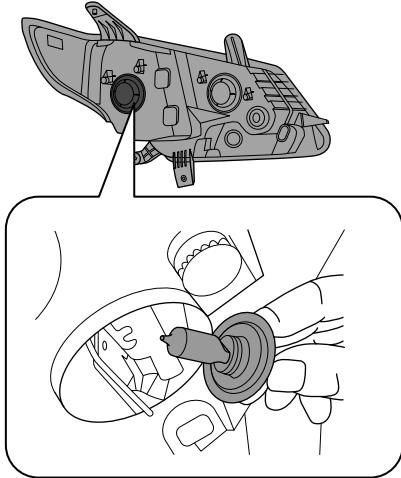
# Emergency Troubleshooting

## Low beam

Open engine hood;

At rear part of the front combined lamp:

- Turn lamp cover anti-clockwise to remove it;
- Remove the low beam lamp bulb.

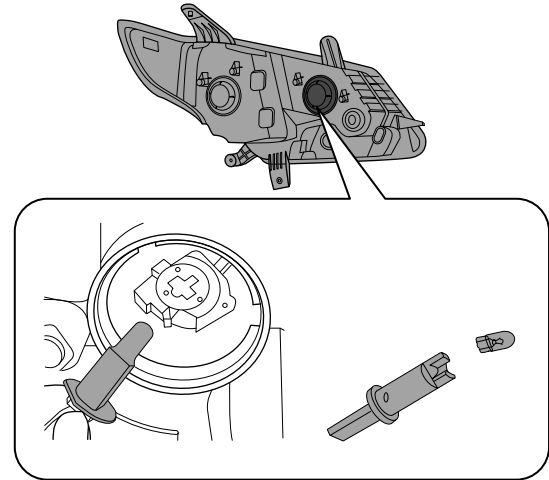


## High beam / Position lamp

Open engine hood;

At rear part of the front combined lamp:

- Turn lamp cover anti-clockwise to remove it;
- Remove the bulbs of the high beam lamp and position lamp, and position lamp bulb holder.



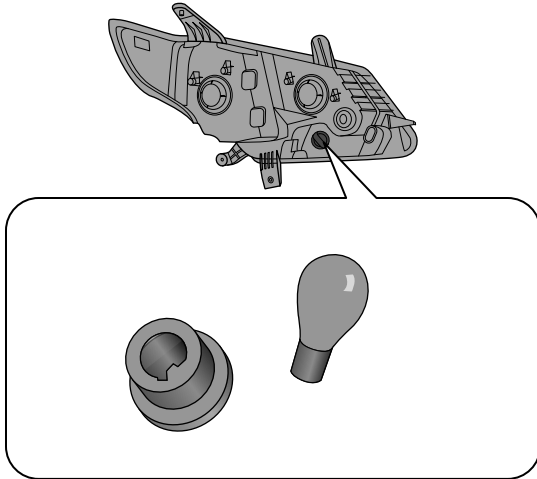
# Emergency Troubleshooting

## Turn signal

Open engine hood;

At rear part of the front combined lamp:

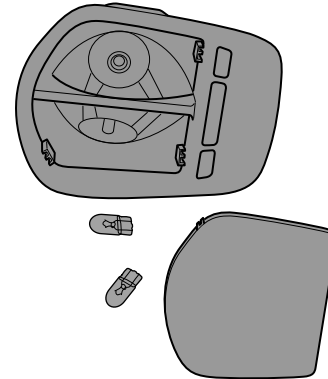
- Turn the bulb holder anti-clockwise to remove it together with the turn signal;
- Remove the turn signal bulb and turn signal bulb holder.



## Front roof reading light

Use a screwdriver or similar tool to pry the lampshade carefully.

Remove the bulb of the front roof reading light.

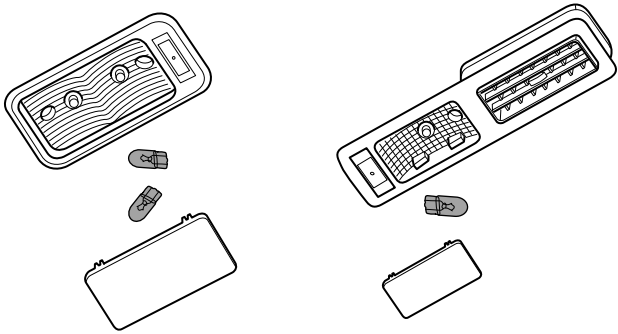


# Emergency Troubleshooting

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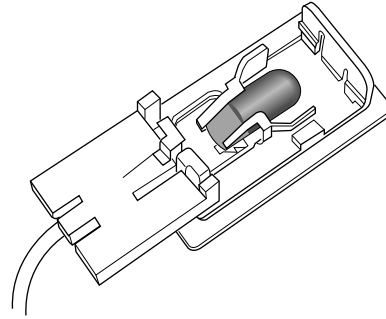
## Rear roof reading light

Use a screwdriver or similar tool to pry the lampshade carefully;  
Remove the bulb of the rear roof reading light.



## Trunk lamp

Use a screwdriver or similar tool to pry out the trunk lamp and  
remove the trunk lamp bulb.



## **Maintenance and Service**

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## Safety

When performing any inspection or maintenance work on your vehicle, always exercise care to minimize the risk of personal injury or damage to the vehicle and always observe the following safety precautions at all times.



**Turn off the ignition and remove the key unless a specific procedure requires otherwise.**

**Always keep hands, tools and items of clothing clear of all drive belts and pulleys when the engine is running.**

**The radiator cooling fan may start at any time, (even when the engine is not running). Always keep hands and loose clothing e.g. tie, scarf etc. away from the fan blades.**

**When / after the engine is / has been running, many components under the engine hood will be hot, e.g. the engine, exhaust system, cooling system, power steering fluid reservoir etc. Do not touch until they are cool.**

**Do not touch electrical wires or components with the ignition switch to "ON" position. Remember that the battery and vehicle wiring carry high currents or voltage which could cause personal injury. Be careful not to cause a short circuit.**

**Never leave the engine running in an unventilated area; exhaust gases are poisonous and extremely dangerous.**

**If possible, carry out work on the engine compartment after stopping the engine and disconnecting the battery (see "Jump start"). If it is necessary to check the area under the engine hood with the engine running, ensure that the vehicle is on level ground, handbrake applied and transmission gear in neutral or parking position. Ensure matches and naked lights are kept away from the battery area and all fuel related parts. Never smoke near these areas and parts.**

**Most liquids used in motor vehicles are poisonous and never consumed or brought into contact with the skin or eyes (these include battery acid, coolant, brake fluid, power steering fluid, fuel, oil, washer fluid, lubricants and refrigerant). Wear protective gloves if fill-up necessary. Always obey all instructions printed on labels and containers. Use eye protection if working on or under your vehicle where you may be exposed to flying or falling material, fluid spray etc.**

**Prolonged contact with engine oil may cause serious skin disorders, including dermatitis and skin cancer. Wash thoroughly after contact.**



# Maintenance and Service

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**Keep children and pets clear of the vehicle. Do not allow anyone in the vehicle unless specifically working to your instructions. Keep oils, fluids and grease away from children.**

## **Scheduled maintenance**

Regular maintenance is the key to economy, safety and reliability for your vehicle and it must be remembered that the responsibility for maintaining your vehicle in a safe, roadworthy condition rests ultimately on you, the owner/operator.

Necessary maintenance and the intervals have been specified to maintain your vehicle properly. Regular vehicle maintenance shall be done by our authorized Service Dealer in accordance with Warranty & Service Handbook.

It is in your best interest to have your vehicle regularly maintained in accordance with regulations.

Our company authorized Service Dealers are recommended as they have qualified personnel, required facilities and can offer the unique pre-planned service which will give maximum vehicle reliability. It's recommended to have regular vehicle maintenance to be done by our company authorized Service Dealer.

# Maintenance and Service

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## Owner's check

The following are a few simple but important checks which you should make at regular intervals before driving to ensure reliable, economic operation:

### Daily checks

- Operation of all lights (ensure all lenses are clean), horn, instrument cluster, warning lights and indicators, windscreen wipers and washers.
- Operation of seat belts.
- Correct functioning of brakes.
- Visually inspection for signs of water, oil, fuel, exhaust and other leaks under the vehicle.

### Weekly checks or check before a long journey

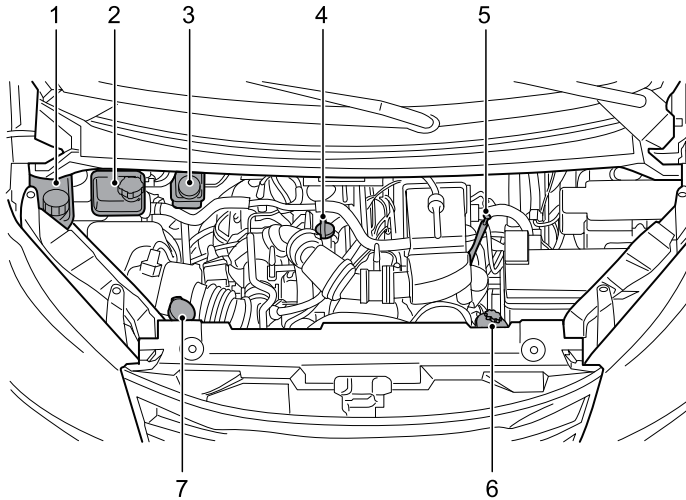
- Check for fluid level / fluid fill-up.
  - Engine oil
  - Coolant
  - Windscreen washer fluid
  - Power steering fluid
  - Brake fluid
- Check for condition and pressure of all tyres (including spare tyres).
- Check and operate AC system.

## Arduous use

For vehicles often subject to arduous use it is recommended that service intervals are reduced.

Regular vehicle maintenance shall be done by our authorized Service Dealer in accordance with Warranty & Service Handbook.

## Engine compartment

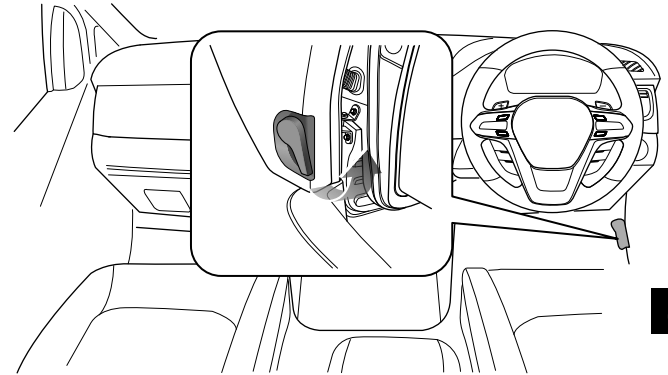


- 1 Engine coolant reservoir
- 2 Water-air intercooler coolant reservoir cap
- 3 Brake fluid reservoir
- 4 Oil fill cap
- 5 Oil dipstick
- 6 Power steering fluid reservoir (applicable for models equipped with hydraulic power steering device)
- 7 Washer fluid reservoir

## Engine hood

### Open engine hood

- 1 Pull up the engine hood unlock handle at right lower side of the dashboard in the direction shown in the figure.




- 2 Slightly pull the front part of the engine hood, and push the rod to the right to pull the engine hood.
- 3 Raise the support stay, and fit the end into the slot in the engine hood.

# Maintenance and Service

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## Close engine hood

 **The radiator cooling fan(s) may start at any time when the ignition switch is in the "ON" position (even when the engine is not running). Always keep hands and loose clothing e.g. tie, scarf etc. away from the fan blades.**

**If the engine is running, keep hands, clothing etc. clear of rotating pulleys, drive belts, fan blades, etc.**

To close, support the front of the engine hood, release and re-clip the support stay and lower the engine hood.

Press the front of the bonnet down until the lock catch is heard to engage. Attempt to pull the bonnet upwards to check that the lock mechanism is engaged properly.

Caution
Before closing, check that no tools, rags, equipment etc. remain in the area under the engine hood.

## Engine Oil

It is recommended to use the oil of correct grade, please refer to "Recommended Fluids" in the General Technical Parameters section for the specifications.

Our authorized dealers are willing to provide you with the latest changes and improvements on the recommended oil. If the temperature in your area is extremely low (below -30°C), it is recommended to use special oil for winter use in your engine. Please contact our authorized dealers for details.

Caution
Do Not use oil that does not meet the requirements of the specified grade. Improper use of the oil can cause damage to the engine and void warranty.

# Maintenance and Service

## Check and Refill



**Do not exceed the maximum mark when refilling.**

**Long-term frequent exposure to used engine oil can cause severe skin disease. Please avoid excessive skin contact with engine oil, in case of contact, rinse your skin thoroughly.**

**Keep the engine oil out of the reach of children and pets.**

Park the vehicle on a flat ground, idle the engine for 1 ~ 2 minutes, then turn off the ignition switch and wait for about 10 minutes to check the oil level.

Pull out the oil dipstick and wipe the blade with a paper or lint-free cloth. Completely insert the oil dipstick back and then pull out. The oil level indication must be between "MAX" and "MIN".



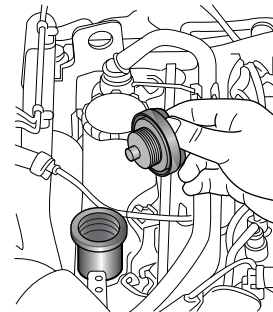
### Caution

Check the engine oil level frequently, and refill as necessary. Both excessive and insufficient refilling of engine oil is likely to damage the engine, and the damage are not covered by warranty.

If you need to refill, please unscrew the oil filler cap, then add new oil of correct specification in several times and in small quantities. Repeat the oil level check process after the oil drops into the tank. Refill as necessary until the oil level is correct.



**Empty containers and used oil can not be discarded randomly, so as to avoid environment pollution.**



# Maintenance and Service

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## Engine Oil Consumption

The engine oil consumption is affected by a variety of factors (these factors also affect fuel consumption), of which the oil type and driving pattern (especially in the "running-in" period) are the two most important factors. Generally, the engine oil consumption is higher in the "running-in" period and in continuous high-speed operation. You must follow the suggestions on driving tips in this manual. Please refer to "Driving" in Starting and Driving section.

## Coolant



**The coolant is harmful if swallowed. Do not allow coolant to contact the eyes or skin. If it does, rinse immediately with plenty of water.**

The correctly specified coolant not only protects the engine from frost damage but also gives year round protection against corrosion. Never driving the vehicle if coolant of correct specification is not filled. For coolant specification, see "Recommended fluid oil".

At specified intervals the cooling system should be drained, flushed and refilled with the correct amount of coolant solution.

### Caution

When charging or replacing coolant, only specified coolant can be used. The use of non-recommended coolant could cause damage to the cooling system and may invalidate the warranty.

## Inspection and charge



**Do not open the expansion tank cap when the system is in hot condition, otherwise you may be injured by water vapor or hot coolant. If coolant has to be charged when the engine is hot, wait 10 minutes, place a thick cloth over the tank cap and turn the cap slowly anti-clockwise to release the**

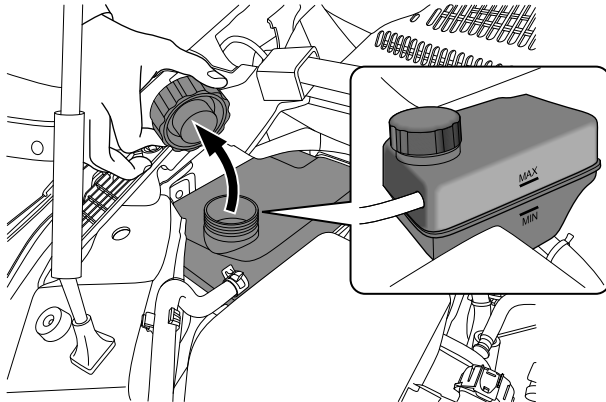
# Maintenance and Service

**!** pressure in the expansion tank before removing the cap.

Always check the coolant level with the vehicle on level ground and the engine stationary (cold condition).

The level is visible in coolant expansion tank and normal level shall be between "MAX" and "MIN" marks.

If the level drops to "MIN" mark, clean area around the coolant expansion tank cap and then turn anti-clockwise to remove it. Top-up with the specified fluid between "MAX" and "MIN" marks. Fit expansion tank cap.



**Note:** The coolant will expand after being heated, and the coolant level may be higher than the level marking.

**Note:** Injection of excessive coolant will cause spillage when the engine temperature rises, compromising the cooling effect. The coolant can be injected to the indicated level only when the engine is cool.

## Caution

If the level has fallen appreciably, or topping-up is required frequently, suspect leakage or overheating and contact our Service Dealer for repair as soon as possible.

## Precautions in cold weather

To reduce the possible problems caused by the use of coolant in cold weather, the following recommendations should be taken into consideration:

- The standard freezing point of coolant used in the vehicle is  $-35^{\circ}\text{C}$  (the mixture ratio of coolant and water is 1:1), therefore it is required to park the vehicle in an area that can maintain the coolant temperature above  $-35^{\circ}\text{C}$ .
- When the vehicle is used in an extremely cold area where the temperature is lower than  $-35^{\circ}\text{C}$ , a suitable proportion of coolant based on the local temperature is recommended. (Refractometer T10007 can be used to detect the freezing point of coolant.)

## Brake fluid

**!** If there is an appreciable drop in the level of the brake fluid, contact our Service Dealer for repair as soon as possible.

Use only new, specified brake fluid. Use of used or unspecified fluids can cause loss of braking performance.

Brake fluid cleanliness is essential. Any dirt entering the system can cause loss of braking performance.

Do not allow brake fluid to contact the skin or the eyes; if it does, rinse immediately with plenty of water. Keep brake fluid out of the reach of children.

Do not spill brake fluid on the engine; otherwise it may burn if the engine is hot and possibly cause fire and engine damage.

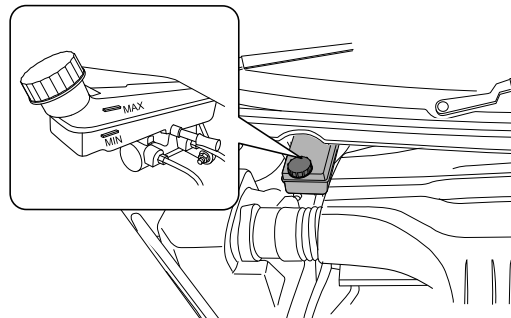
**Note:** *The hydraulic clutch also uses fluid from the braking reservoir.*

### Caution

- Only top-up the brake master cylinder with brake fluid complying with specification DOT4. Do not use any other type of fluid.
- Brake fluid will damage paintwork if allowed to contact it. Wipe clean immediately and flush with water.

## Inspection and charge

Always check the brake fluid level with the vehicle on level ground and the engine in cold condition. Brake fluid level is visible on the reservoir and the normal level shall be between "MAX" and "MIN" marks. If the level drops to "MIN" mark, clean area around the filler cap and then turn anti-clockwise to remove it. Fill up specified new brake fluid between "MAX" and "MIN" marks and fit the reservoir cover.



If the level falls below "MIN" mark, RED Brake System Warning Light on information center display will light on. This indicates fault in the braking system which must be investigated immediately. If driving, IMMEDIATELY bring the vehicle carefully to a halt. You should contact our Service Dealer for repair as soon as possible. Do NOT continue to drive the vehicle.



**Never discard used brake fluid casually to avoid polluting the environment.**



## Power steering fluid

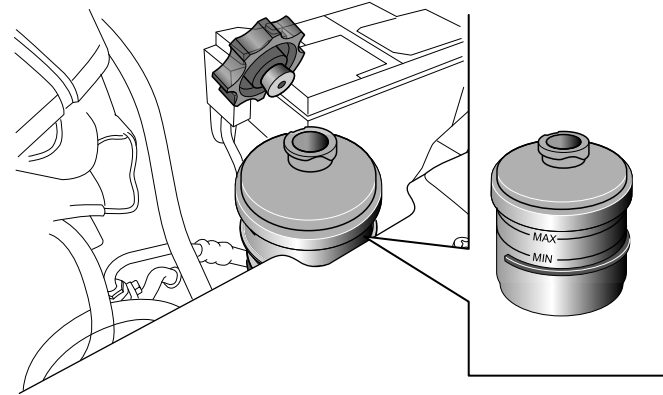
### Caution

Always use fluid conforming to ATF-DEXRON III's specification.

## Inspection and charge

**!** If there is an appreciable drop in the fluid level, contact our Service Dealer for repair as soon as possible.

Always check the power steering fluid level with the vehicle on level ground, the system in cold condition and the front wheels in straight-ahead position before the engine starts. Power steering fluid level is visible on the reservoir and the normal level shall be between "MAX" and "MIN" marks. If the level drops to "MIN" mark, clean area around the filler cap and then turn anti-clockwise to remove it before charging new and specified fluid between "MAX" and "MIN" marks. Fit reservoir cover.



### Caution

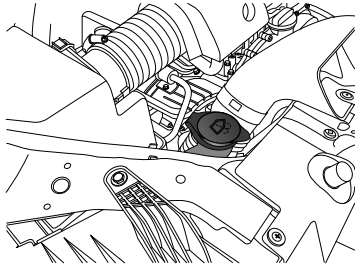
- Do not overfill.
- Do not allow dirt to enter the power steering fluid reservoir.
- Operating the vehicle with insufficient fluid in the reservoir could cause damage to the power steering unit.

## Washer fluid

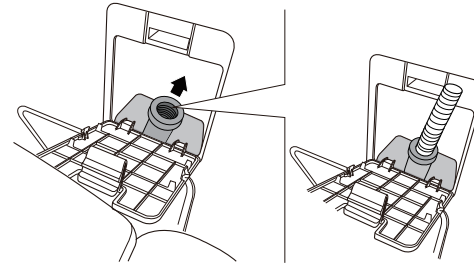
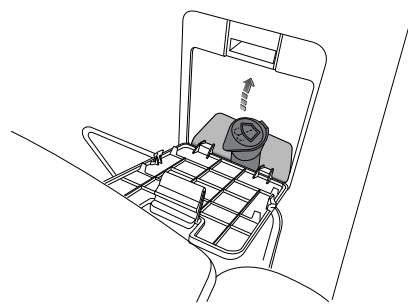
### Inspection and charge

**!** Driving with a non-operational washer system can be dangerous; always check it before driving.

The windscreen and headlamp washer fluid reservoir is located in the engine compartment. If it is required to refill, please open the engine hood, and then the washer fluid reservoir cap, and close it after washer fluid refilling.



The rear wiper washer fluid reservoir is located in the right quarter panel inner trim near the tailgate. If it is required to refill, please pull the right quarter panel inner trim cover open, open the washer fluid reservoir cap, pull out the built-in washer liquid refilling guide tube of the rear washer fluid reservoir for filling. After the washer fluid refilling is completed, push the tube back into the reservoir and then replace the cap and quarter panel inner trim cover.



For Washer fluid specification, see “Recommended fluid oil”.

#### Caution

Do not use washer fluid that does not comply with requirements. Do not use tap water as mineral substance in tap water will easily block windscreen washer fluid pipeline or jet.

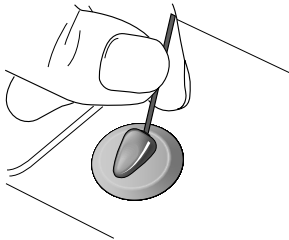
## Washer jet

### Adjusting and cleaning

#### Front washer jet

Prior to carrying out jet adjustment or cleaning, ensure that the washer reservoir is topped-up. Use a piece of thin wire or a pin to carefully clean the jets if the jet is blocked.

Direction of washer jet has been set in manufacturing works and normally no adjustment required. If adjustment is required, carefully insert a fine needle into the jet hole to re-position the jet to direct the spray direction towards the middle of the windscreen.



#### Rear washer jet

The rear washer jet cannot be adjusted.

#### Washer jet of front headlamp

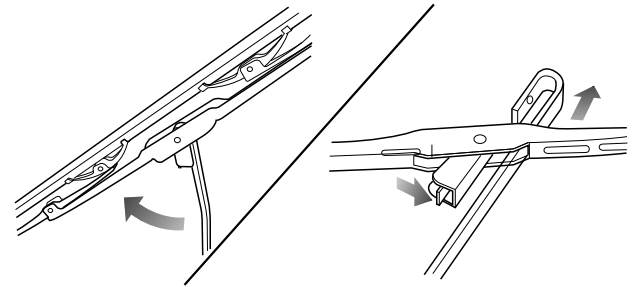
The washer jet of front headlamp cannot be adjusted.

## Wiper blade

### Inspection

Examine the edge of the blade for roughness or damage, and check that the blade rubber is secure throughout its length.

**Note:** *Traces of grease and other impurities on the rubber can prevent the wipers from working correctly, and can also damage the windscreen glass.*



# Maintenance and Service

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## Replace

### Removal

— Lift the wiper arm from the windscreen and position the blade at right angles to the arm.

— Push down the clip (arrowed) and slide the blade carrier down the arm to disengage the pivot on the carrier from the hook on the arm.

**Note:** *Note the relative positions of the hook and carrier as the replacement blade must be fitted the same way round.*

### Installation

— Fit the blade carrier over the hook.

— Engage the pivot in the hook, and then push it into position until it is heard to click into place.

## Maintenance and service

Wash with good cleaner or neutral detergent and wipe clean with soft dry cloth that is free of lint.

## Seat belt

### Inspection




The belts also have a sensitive retractor which is designed to lock only during heavy acceleration, deceleration or, for example, on tight bends.

**Do NOT attempt to test the locking device by intentionally "launching" your upper torso in a forward direction.**

Check ALL seat belts as follows:

- Inspect all belt anchorage points for security.
- Insert the tongue into the buckle and check for a positive locking action. Check that the tongue is released cleanly when the red button is pressed.
- With the belt half unreeled, hold the tongue and give it a sharp pull. Check that the safety mechanism locks automatically and prevents further unreeling.

## Maintenance and service

 **Do not attempt to repair retractor or buckle mechanisms, or to modify the seat belts in any way. Seat belts subjected to strain as a result of an accident shall be replaced and the anchorage points checked by our authorized Service Dealer.**

Regularly inspect the belt webbing for signs of abrasion or wear, paying particular attention to the anchorage points and adjusters.

Clean seat belts by sponging with lukewarm water and a mild soap; allow drying naturally - Do NOT heat or expose to direct sunlight. Do not allow water to enter retractor. Never bleach or color seat belt as its strength may be reduced.

## Battery

Battery warning instructions:



Wear protective goggles!



For the reason that the battery acid liquor has strong corrosiveness, it is required to wear protective gloves and goggles!



No open fire, electric spark, strong light and smoking are allowed!



An explosive gas mixture will be produced when the battery is charging!



Keep the acid liquor and battery at a place where the children cannot reach!



**When carrying out work on the vehicle battery and electric equipments, it is possible to have personal injury, corrosion, accident and fire risks!**

**Wear protective goggles. Do not allow acid or lead-bearing particles to drop into your eyes and on your skin or clothes.**

**The acid liquor in the battery has strong corrosiveness, so it is required to wear protective gloves and goggles.**

## Maintenance and Service

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The battery cannot be overturned because attempt to overturn it may enable the acid liquor to flow out from the vent. If the acid liquor is spilled into eyes, it is required to wash eyes by fresh water for several minutes immediately, and then go to a doctor. If the acid liquor is spilled onto skin or clothes, it is required to immediately neutralize it by soap solution, and use a great deal of water to wash it. If the acid liquor is swallowed by mistake, it is required to immediately go to a doctor.

No open fire, electric spark, strong light and smoking are allowed! During handling of the cable and electric equipments and dismantling the electrostatic load, it is required to prevent electric spark. The battery electrode cannot be short circuited. Big energy electric spark may result in risk of personal injury.

An explosive gas mixture is produced at the time of battery charging, so the vent of the battery must be kept unobstructed to exhaust the gas mixture. The battery should be placed in a ventilated-well space during charging.

The children should keep away from the acid liquor and battery.

Prior to work on the electric equipment, it is required to stop the engine, turn off the ignition switch and all electric equipments.



Remove the battery cathode cable. It is required to only turn off the light during replacement of bulb.

Pay attention to the polarity of the power supply, and prior to power on, must check whether the polarity of the power supply is matched. The power-on time for each time should not be less than 5 seconds, so as to prevent frequent quick make-break operation. During removal of the battery, first remove the battery negative cable and then positive cable.

Before the battery is connected again, it is necessary to turn off all electric equipments. First connect the positive cable and then negative cable. Do not connect the cables incorrectly-otherwise it may result in fire hazard!

It is not allowed to remove and install the battery without authorization, because unauthorized removal and installation will result in serious damage to the battery and fuse box. For details, contact our Service Dealer.

Do not disconnect the battery when the ignition switch is switched on or the engine is running, otherwise it is possible to damage the electric equipment (electric component).

In order to prevent the battery housing from ultraviolet ray, do not expose the battery under direct sunshine.

## Stop time of the car

If the car is stopped for a long time, the static current user (such as time clock and safety device) will use up electricity of the battery, so the battery must be re-charged. In order to prevent occurrence of such case, it is required to charge the battery or disconnect the negative cable during stop of the car.

**Note: Prior to work on the battery, pay attention to the battery warning instruction.**

### Caution


During stop, be sure to turn off the ignition switch, otherwise it will significantly shorten the stop time.

## Winter operation

There are extremely strict requirements for the on-board battery in winter, and additionally, the starting power that the battery can provide in low temperature condition is only part of that in normal temperature condition; hence, we recommend that, before the cold season starts, the on-board battery be checked by our Service Dealer, and be charged whenever necessary.

If the car is not driven for couple of weeks in an extremely cold condition, you should remove the on-board battery, and put it in a warm room to prevent it from being frozen and damaged.

## Charging of the battery by use of a ground equipment

 **Attempt to charge the frozen battery will result in explosion risk! Even if the battery is defrozen, the acid liquor may be spilled, resulting in corrosive damage. The frozen battery must be replaced.**

Prior to charge, it is required to turn off the ignition switch and all electric equipments.

If the car is stored for a long time and when the car cannot be started for that the electricity is used up(usually the terminal voltage is less than or equal to 12V), the battery must be removed from the car, and be charged by a ground equipment(To be charged pursuant to the instructions of charging equipment manufacturer).

It is unnecessary to remove the connecting cable of the battery when it is charged at a small current(e.g. small-current charging equipment). However, attention must be paid to the instructions provided by the charging equipment manufacturer.

Prior to quick charge, namely prior to bulk charge, two connecting cables must be removed.

**Note: Prior to work on the battery, pay attention to the battery warning instruction. During charge, the electrode clamp of the charging equipment can be connected with the power supply of the charging equipment until the battery electrode is clamped as per requirements; Ater the**

## Maintenance and Service

***charge is finished, it is required to first turn off the charging equipment, and remove the power cable, as well as remove the electrode clamp of the charging equipment from the battery.***

### Caution

- The child should keep away from the battery, battery acid liquor and charging equipment.
- The battery can be charged in a ventilated-well space. Smoking is not allowed, and it is required to keep away from the open fire and electric spark because a gas mixture will be produced during charge of the battery.
- Protect your eyes and face and do not keep a short distance from the battery.
- If the acid liquor is spilled into your eye or onto your skin, please immediately use fresh water to wash for several minutes, and then go to a doctor.
- There is a hazard during quick charge of the battery, so the charge should be carried out by our Service Dealer because this operation requires professional equipment and knowledge.
- Change the frozen or defrozen battery. The reason is that the battery housing may be cracked due to freezing. The car may be damaged for the leakage of battery acid liquor.

### Remove the battery

Prior to removal of the battery, turn off the ignition switch and all electric appliances.

To remove the battery, you should first remove the negative cable, and then positive cable, as well as unscrew the bolts on the battery bracket to remove the battery.

### Replace the battery

The battery installed on your vehicle is designed as per corresponding installation position. If it is required to replace the battery, the new battery must be of same voltage (12V) and structure type, and bear a safety marking. The current intensity and capacity should be identical to the original battery. Our Service Dealer provides original battery.

During installation of the battery, attention that the ignition switch of the car has been turned off, and all electric appliances have been turned off.



**For the reason that the used battery should be disposed of properly, it is desirable that the battery is replaced by our Service Dealer. Additionally, the used battery cannot be disposed of as household refuse because the battery contains sulphuric acid and lead.**



## Install the battery

Prior to installation of the battery, turn off the ignition switch and all electric appliances.


Put the battery at the mounting position prepared for it, and use a battery bracket to fasten the battery.

To connect the battery, it is required to first fasten the positive cable, and then the negative cable.

### Caution


In order to avoid discharge of the battery, turn off the ignition switch when leaving the car.

## Tyres

 **DEFECTIVE TYRES ARE DANGEROUS! Do NOT drive your vehicle if any tyre is excessively worn or damaged, or is inflated to an incorrect pressure.**

Frequently inspect the tyres and sidewalls for any sign of distortion (bulges), cuts or wear. Flints and other sharp objects should be removed with a suitable blunt tool. If neglected, they may work through the tyre.

## Tyre pressure

 **Driving with incorrectly inflated tyres can affect vehicle stability, increase rolling resistance, and cause rapid tyre wear and possible permanent damage to the cords of the tyre casing.**

Remember tyre wear and inflation pressure regulations. It is the driver's responsibility to ensure that the tyres meet these requirements.

Check the tyre pressures weekly, including the spare tyre, and if necessary, adjust in accordance with pressure requirement of "tyre pressure sign" on front side door frame. This handbook introduces the correct tyre pressure in cold condition, see "Wheel and tyre".

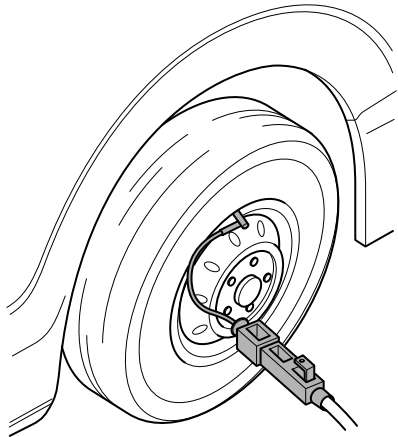
The spare tyre should be maintained at the highest recommended pressure and adjusted before use. Pressure

## Maintenance and Service

should be checked with an accurate Tyre Pressure Gauge when the tyre is cold instead of decreasing the value under warm condition as the pressure will be higher than normal pressure due to temperature. Always refit the valve caps to prevent dirt entry into the valve mechanism.

A natural pressure loss will occur with time; any unusual pressure loss should be investigated and rectified.

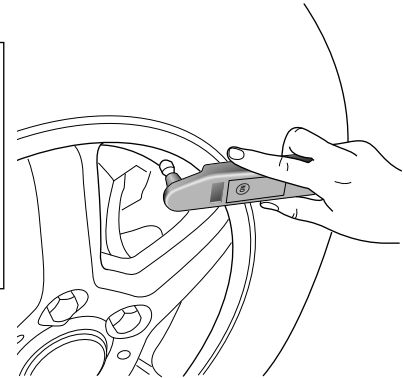
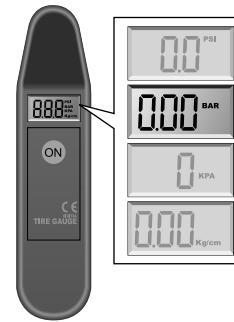
**Note: The specified pressure is for cold tyres; warm tyre pressure will be higher.**



### Tyre gauge

Switch on the tyre gauge, and press ON key to select pressure unit. Firmly press the gas nipple of tyre gauge on the inflating valve of the tyre to ensure no any air leak, and read the pressure value. Press the ON key of tyre gauge and hold for 3 seconds to switch it off, or it will be off automatically after 10 seconds.

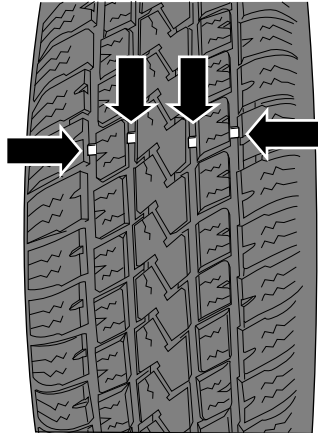
This item may not apply to your vehicle, please refer to the actual vehicle.



## Wear indicator

There is wear indicator in tread for all original tyres. When the tyre has worn down until 1.6 mm of the tread is remaining, the wear indicator will appear across the full width of the tread pattern.

A tyre should be replaced immediately where any part of the wear indicator becomes visible. However it is in your interest to note that tyre safety and performance tends to reduce before the legal limit is reached. For example, badly worn tyres will increase the risk of aquaplaning.



## Other maintenance

### Vehicle cleaning

**!** For first driving after washing the vehicle, gently apply the brake pedal several times to ensure all moisture is removed from the brake discs.

**Carefully clean tyres. Never use high pressure jet as it may damage tyres. If any damage found, replace the tyre.**

**Flushing water on the forepart of the interior car (close to the dashboard area) is prohibited so as not to cause unnecessary damage to some related parts.**

Careful attention to the following will help to retain the value of your vehicle:

- Clean the vehicle with cold or lukewarm water. Hot water may cause damage to vehicle paintwork under extreme cold conditions.
- No vehicle washing under strong direct sunlight during hot weather.
- Use special vehicle cleaner to remove grease and tar spots on vehicle body and while still wet, wash the paintwork using a soft sponge and generous quantities of water containing car shampoo. Rinse thoroughly and dry off with a chamois leather.
- When using a hose to wash the vehicle, never direct the water to window, door or brake parts through wheel clearance.

# Maintenance and Service

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- After cleaning, inspect the paintwork for damage and stone chips; apply touch-up paint if necessary. Use polishing wax to protect paintwork from time to time.
- When using high pressure cleaning equipments, water jet shall be kept moving. Do not direct it at the engine, radiator, door gaps, seals, electrical components or their connections.

**Note: Timely remove the objects at painted surface that seem harmless but have corrosiveness practically, such as guano, resin, insect remains, tare spots, salts and industrial dust. If the objects are not cleared in time, permanent stains or damage may result.**

## Caution

It is prohibited to directly spray water into the engine compartment for washing after opening the engine hood, so as to prevent the electric parts in the engine compartment from possible short circuit. Never use vapor to clean underbody, wheel arch or transmission as it may damage protective wax.

## Engine carbon deposition cleaning

In view of the domestic oil product quality, it is recommended to clean the carbon deposition by use of fuel system carbon deposition cleaner approved by the company every 5000 km ~ 10000 km on a regular basis. For details, please consult our Service Dealer.

## Anti-corrosion of underbody

The underbody of your vehicle has been treated with anti-corrosion. Check underbody anti-corrosion regularly.

Use a water jet to remove accumulations of caked mud or debris on underbody. This is especially important during winter when salt has been used on the roads.

## Seat and trim

Often use vacuum sweeper or soft brush to clean dirt and dust accumulated on fibers. Often use clean cloth to wipe the trim. Use special cleaner to remove general trim dust, staining or spot. Use special cleaner to clean leather parts.

## Door seal

To prevent rubber door seals freezing during cold weather, rubber maintenance product or silicone spray shall be used for protection.

## Window glass

Often use glass cleaner to clean window glass.

The headlamp lenses are clear plastic. Use good cleaner or neutral detergent to wash rather than abrasive or chemical solvent.

## **General Technical Parameters**

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## General Technical Parameters

### Major vehicle dimension parameters

Model	SV7C-9220	SV7C-9820
Driving type	Front-engine Rear-drive	
Length of overall dimensions, mm	5168	
Width of overall dimensions, mm	1980	
Height of overall dimensions, mm	1928	
Wheelbase, mm	3198	
Front suspension/Rear suspension, mm	890/1080	
Front track, mm	1680	
Rear track, mm	1660	
Minimum turning diameter, m	12	

## General Technical Parameters

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### Vehicle weight parameters

Model	SV7C-9220	SV7C-9820
Gross vehicle weight, kg	3000	3000
Curb weight, kg	2055	2060
Axle load (Front/rear axle load under gross vehicle weight), kg	1335/1665	1335/1665
Number of seats	2	2

## General Technical Parameters

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### Vehicle performance parameters

Model of engine	SC20M163Q5A
Max. design speed, km/h	170
Max gradeability, %	30
Emission level obtained upon vehicle leaving factory	Euro IV/Euro V



## General Technical Parameters

### Major engine technical parameters

Model of engine	SC20M163Q5A
Category	Direct injection diesel engine with turbocharger and intercooler
Displacement, L	1.996
Number of cylinders	4
Bore, mm	83
Stroke, mm	92
Capacity and compression ratio	15.9:1
Max. net power , Kw	118.5
Rated power speed, r/min	4000
Rated torque, N/m	375
Rated torque speed, r/min	1500 ~ 2400
Idle speed, r/min	750±50
Fuel type and grade	Diesel, conform to Euro IV/Euro V or above standard
Fuel tank capacity, L	72

## General Technical Parameters

### Chassis technical parameters

Item	Parameters
Front suspension	McPherson independent suspension
Rear suspension	Non-independent suspension with longitudinal leaf spring/five-linkage non-independent suspension
Type and specification of steel plate spring	Multi-leaf spring(four spring leaves)
Dynamic balance requirements of steel wheel	Residual imbalance at both sides of the steel wheel is as follows: 10g for main tyres/15g for spare tyres
Dynamic balance requirement of aluminum wheel	Residual imbalance at both sides of aluminum wheel assemblies is 8g
Reasonable range of brake pedal free travel	Within 10mm
Reasonable application range of brake friction pair	At least 2mm remaining before wearable material reaching its wear limit

## General Technical Parameters

### Recommended fluid oil

Item	Specification	Capacity
Engine oil, L	SAE 5W-30 ACEA C3	5.7
Engine coolant, L	D-35(-35°C)	12 (with rear AC) 8.1 (without rear AC)
Cryogenic circulating coolant, L	D-35(-35°C)	3.5
Transmission (6-speed) oil, L	Laike MTF SAE 75W-85	3.3
8AT automatic transmission oil, L	Shell L12108	8.77
Brake fluid, L	Laike 901-4 DOT 4	0.81
Power steering fluid, L	ATF-DEXRON III	1.27
Washer fluid, L	Universal lower freezing point washer fluid	3.8 (front) 1.2 (rear)
AC refrigerant, g	R134a or R1234yf	700 ± 30 (Single-air conditioner) 850 ± 30 (Dual-air conditioner)
Rear axle lubricating oil, L	TEMPO GL-5 80W-90	1.25

## General Technical Parameters

### Wheel and tyre

Item	Parameters		
Wheel specification	6.5J×16		6.5J×18
Tyre specification	215/70R16	215/70R16C	225/55R18
Tyre pressure of front wheel (cold condition)	290kPa/2.9bar/42psi	290kPa/2.9bar/42psi	290kPa/2.9bar/42psi
Tyre pressure of rear wheel (cold condition)	290kPa/2.9bar/42psi	360kPa/3.6bar/52psi	340kPa/3.4bar/49psi
Spare tyre specification	215/70R16	215/70R16C	225/55R18
Tyre pressure of spare tyre (cold condition)	290kPa/2.9bar/42psi	360kPa/3.6bar/52psi	340kPa/3.4bar/49psi

## General Technical Parameters

### Wheel alignment parameters

Item		Parameters
Front wheel	Toe-in angle	$0^{\circ} \pm 0.2^{\circ}$ Difference value between left and right $\leq 0.1^{\circ}$
	Camber angle	$-0.1^{\circ} \pm 0.5^{\circ}$ Difference value between left and right $\leq 0.5^{\circ}$
	Kingpin inclination angle	$11.68^{\circ} \pm 0.5^{\circ}$ Difference value between left and right $\leq 0.5^{\circ}$
	Kingpin caster angle	$4.5^{\circ} \pm 0.5^{\circ}$ Difference value between left and right $\leq 0.5^{\circ}$
Rear wheel	Toe-in angle	$0^{\circ} \pm 0.25^{\circ}$
	Camber angle	$0^{\circ} \pm 0.5^{\circ}$
	Trust angle	$0^{\circ} \pm 0.25^{\circ}$
Wheel angle	Maximum internal wheel angle	$44.3^{\circ} \pm 2.5^{\circ}$
	Maximum external wheel angle	$37.5^{\circ} \pm 2.5^{\circ}$