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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Introduction

About this handbook

This Handbook applies to LDV DELIVER 9 series of Minibus, Van and Chassis cabs.

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.

This vehicle product follows enterprise standards Q31/0110000019C007 and Q31/0110000019C009.

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.

Note

Note: This is suggestive description which is useful for you.

Environmental protection

Everyone is obliged to protect the environment. This symbol intends to remind you to pay attention to environmental protection.

Arrows

Represents described object.

Represents its direction of motion.

See

The contents are referred by the "Section" title.

Precautions

Dangerous substances

Many liquids and other 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 among others include battery acid, coolant, brake fluid, power steering fluid, fuel, washer fluid, lubricants, refrigerant and various adhesives. Always read carefully the instructions printed on the labels or stamped on components and obey them implicitly. These instructions are for the sake of your health and personal safety. Please treat them with prudence.

For your safety, observe instructions contained in this Handbook.

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.

In order to prevent the accident or personal injury caused by a child or animal, do not leave the child or animal in the vehicle without adult supervision. Also they can 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) is fitted for additional protection of the driver and front occupants, comprising air bags and seat belts.

See “Occupant restraint system” in Before You Drive section. Misuse of an air bag can result in injury.

Vehicle identification

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

The engine number may also be required if the engine is involved during communication.

Vehicle identification number (VIN)

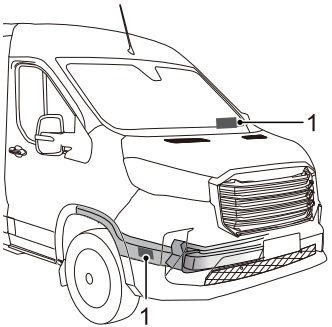
Vehicle identification number (VIN) on the vehicle :

- On the right front longitudinal beam of vehicle, in the front bumper mounting bracket area (seal position).
- On the VIN plate on the left side of B pillar.
- On the windshield lower cross member cover plate assembly at the left lower corner of the windshield through where the VIN can be seen easily.

This vehicle is equipped with an OBD data link connector, located under the instrument cluster. You can contact Our Service Dealer to read VIN information from the electronic control unit with the special equipment.

Engine number

Engine number is printed on the bottom of front end face of cylinder block in the engine compartment (on the lower right side, viewed from the front of the vehicle).



1 Vehicle identification number (VIN)

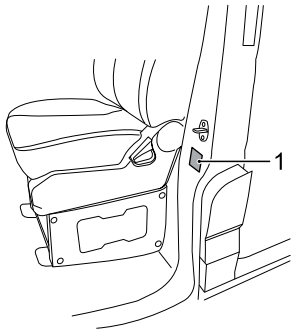
VIN plate

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

- VIN
- Type
- Engine model
- Maximum engine net power
- Engine displacement
- Gross vehicle weight
- Seat No.
- Built date
- Name of production plant
- Country of manufacture

Location of VIN plate

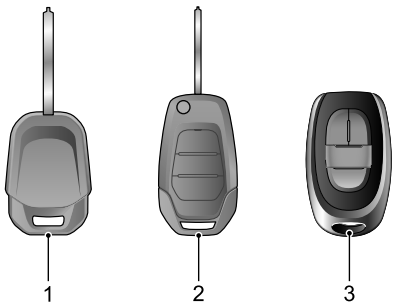
VIN plate (1) is located at front lower of left side B post.



Before You Drive

Keys

The vehicle is equipped with 1 ordinary key and 1 remote key or 2 remote keys with passive entry passive start system (hereinafter referred to as PEPS).



1 Ordinary key

2 Remote key

3 Remote key with PEPS

Note: If a key is lost, you must provide the key number on the plastic tag attached to the key, and our Service Dealer will provide the replacement. We recommend you to keep the tag attached to the key in a safe place. For the sake of safety, the key has been electronically coded with the immobilizer system and can be used with the system in the matching way only. Special procedures shall be followed to manufacture a same key with the lost one. Any uncoded key cannot start the vehicle but can lock/unlock doors.

Ordinary key

The ordinary key is mainly used for activating the immobilizer system and starting systems and also can be used for locking/unlocking the driver door. For further information on the use of the ordinary key see “Door locks” and “Ignition switch and steering lock” in this section.

Remote key

The remote key is a control component of central door locking system of a vehicle. It can be used for locking/unlocking all doors.

Note: The remote key has been electronically coded with the locking/unlocking system and can be used with the system in the matching way only. Special procedures shall be followed to manufacture a same remote key with the lost one. Our Service Dealer will be pleased to assist you. For further information on the use of the remote key see “Central door locking system” in this section.

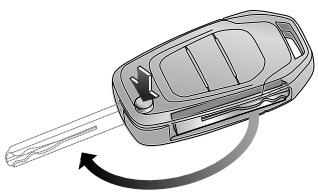
Caution
The immobilizer system can accept 8 coded keys at most (including ordinary keys and remote keys). The immobilizer system can accept 4 coded keys at most (for remote keys with PEPS).

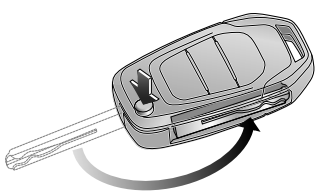
Extension/retraction of mechanical key portion of the remote key ("mechanical key portion" for short)

Mechanical key portion

Press the release button on the remote key, and the mechanical key portion will extend from the key body.

To retract the mechanical key portion, press the release button on the remote key meanwhile rotate the mechanical key portion into the key body.

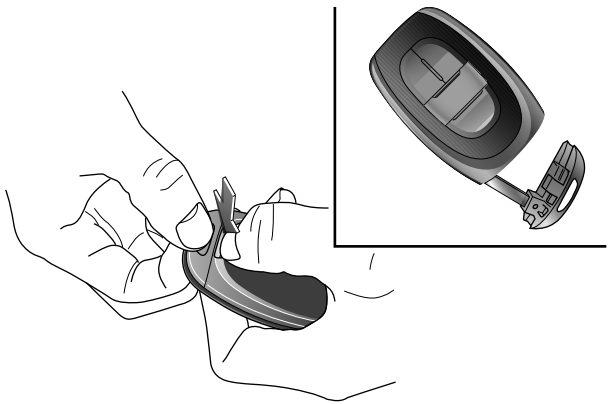




Mechanical key portion of a remote key with PEPS

Press the release button on the remote key with PEPS, and pull the mechanical key portion from the key body.

To retract the mechanical key portion, directly insert it into the body of remote key with PEPS.



Replace the battery in a remote key

Batteries may present the risk of fire, explosion and burning. Never charge the battery. Properly dispose of the used battery. Keep the battery out of reach of 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

To renew the battery, following procedures must be observed:

Replace the battery in a remote key

1 Extend the mechanical key portion;

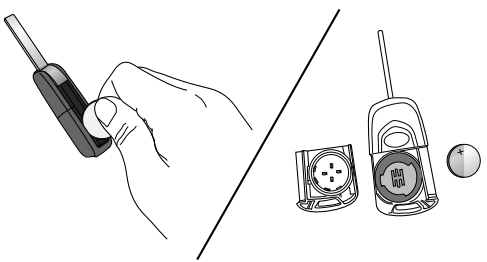
2 Pry the battery cover from the key body;

3 Remove the used battery and install a new one;

Note: It is recommended to use a CR2032 battery.

Caution
Pay attention to the positive and negative of battery.

4 Then install the battery cover onto the key body.



Replace the battery in the remote key with PEPS

1 Press the release button on the remote key with PEPS;

2 Pull the mechanical key portion out of the key body;

3 Pry up the upper and lower panels of the body, and pour out the printed circuit board with the battery from the lower panel;

Caution
Never use a metal tool to pry the PCB.

4 Remove the used battery and install a new one;

Note: It is recommended to use a CR2032 battery.

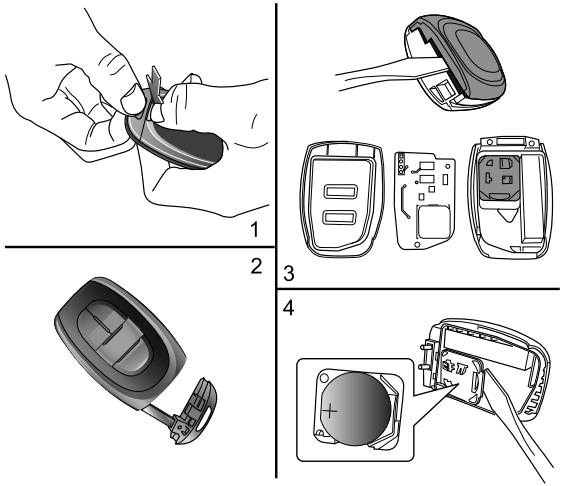
Caution
Pay attention to the positive and negative of battery.

5 Place the plastic bracket with the battery in the lower panel of key body, and then install the printed circuit board;

6 Refit the upper and lower panels of the key body;

Caution
Do not ignore the waterproof shim onto the upper panel.

7 Press the mechanical key portion into the key body.



Caution
It is complicated to replace the battery in the remote key with PEPS. In order to prevent the key from being damaged due to misassembly or misoperation, you are recommended to have the battery replaced by our Service Dealer.

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 vehicle or operate electrical equipment at the risk of causing an accident.

Before leaving the vehicle, fully close all windows.

Ensure all doors are fully closed before locking them.

Central locking/unlocking

All doors can be locked/unlocked from the outside with the ordinary key, remote key, or remote control with PEPS.

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” in this section.

Note: When all doors are successfully locked with the remote key, all direction indicators will flash once, and the horn will sound once to indicate successful locking. When all doors are successfully unlocked with the remote key, all direction indicators will flash twice to indicate successful unlocking.

Central door locking system

Using the ordinary key or mechanical key portion

All doors can be locked/unlocked using the ordinary key or mechanical key portion to manually lock/unlock the driver door from the outside.

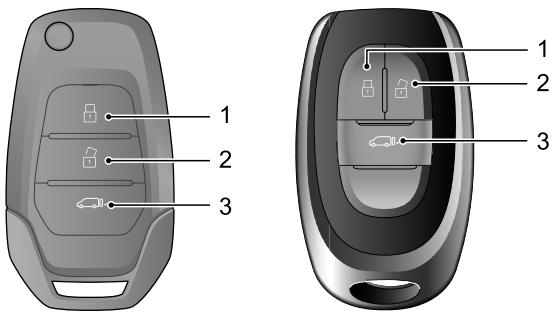
To lock, turn the ordinary key or mechanical key portion anticlockwise.

To unlock, turn the ordinary key or mechanical key portion clockwise.

Using the remote key

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

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



1 Central locking button

2 Central unlocking button

3 Tail door unlocking button (applicable to the vehicles with tail doors)

Caution
For the vehicles with PEPS system, when locking with the locking button on the remote key with PEPS, if there is other legal remote key with PEPS in the vehicle, then it will be disabled, and the passive keyless entry and one touch start feature will be lost. To activate it: Close all doors, operate the unlocking button on the remote key with PEPS in a normal manner, the key being shielded inside the vehicle will be activated.

Caution
The key control strategies may be different depending on the vehicle configurations. Please operate subject to the actual configuration of your vehicle.

All doors locking

Press the button (1) to lock all doors when the driver door is closed. All direction indicators will flash once and the horn will sound to indicate successful locking.

Note: If all direction indicators flash once and the horn sounds, it indicates that locking has been confirmed; if any door is not fully closed, there will be no direction indicator flashing or audible warning. Press the button (1) only after all doors have been closed.

All doors unlocking

Press the button (2) to unlock all doors. All direction indicators will flash twice to indicate successful unlocking.

Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, all doors will be automatically locked again.

Tail door unlocking

Press the button (3) to unlock the tail door. All direction indicators will flash twice to indicate successful unlocking.

Note: If no door is opened, no key is inserted into the keyhole, or no central locking/unlocking button is pressed within 30 seconds, the tail door will be automatically locked again.

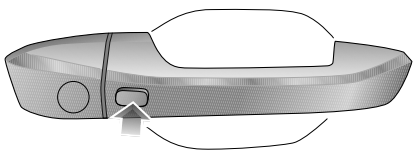
Remote control door lock with PEPS

PEPS system allows you to lock or unlock the doors without taking the remote key out of your pocket, wallet, or suitcase.

Unlock with the remote key with PEPS

As long as there is a legitimate remote key existing within the range of 1 meter around the vehicle, press the micro switch on the door handle, and the door will be unlocked.

Lock with the remote key with PEPS

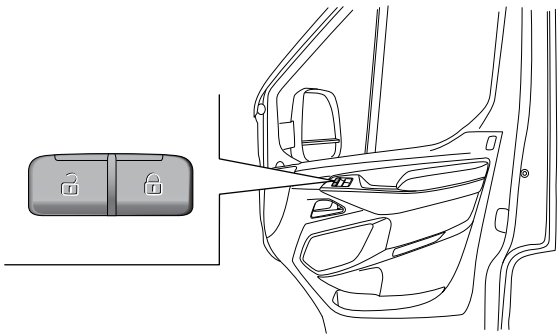


Turn off the ignition switch, leave the vehicle and close the door, then touch the micro switch on the door handle with your thumb, the door will be locked, and there is no need to press the locking button on the remote key.

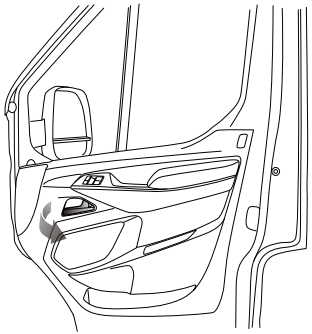
Using the central control door lock switch

All door 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 door is not closed, the lock motor will not operate. If any other door is not closed, the lock motor will operate.



The door can also be unlocked by pulling the inner handle twice.



Note: During the driving, all doors shall be fully closed and all door locks shall be enabled, so as to avoid accidental opening of doors.

Locking according to the vehicle speed

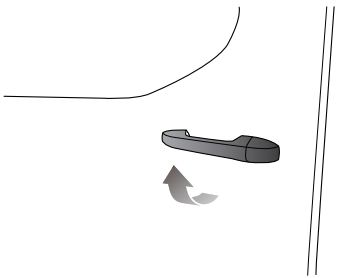
When the vehicle speed exceeds 8 km/h, all doors can be locked automatically.

Note: When the key is turned to "LOCK" position, remove the key, and the doors will be automatically unlocked.

Side load door(s)

Opening/closing the door from the outside

When opening the side load door from the outside, pull up the door outer handle to slide the side load door rearward after the vehicle is unlocked.

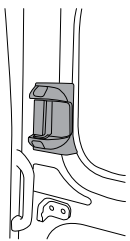


When closing the side load door from the outside, use the door outer handle to pull the side load door forward till it is closed.

Note: The locking/unlocking of the side load door from the outside can be controlled using a remote key (see "Central door locking system" in this section).

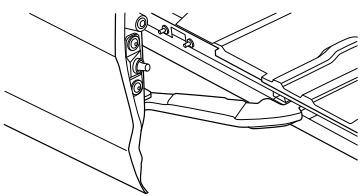
Opening/closing the door from the inside

When opening the side load door from the inside, pull up the door inner handle to slide the side load door rearward to open it after the vehicle is unlocked. When closing the side load door from the inside, pull up the door inner handle to slide the side load door forward till it is closed.



Fastening the door

Note: When the side load door is fully opened, a "click" from the rear of lower rail indicates that the side load door is fastened.

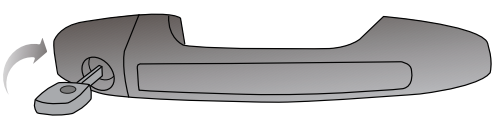


Tail door

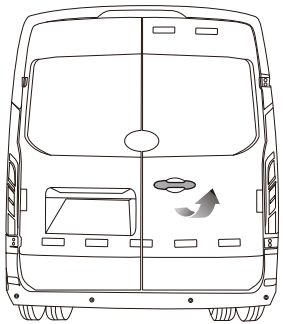
Unlocking/opening doors from the outside

When using the key, remote key or central control door lock switch to lock or unlock all doors, the tail door will also be locked or unlocked. After the tail door is unlocked, pulling up the outer handle of tail door can open the right hand tail door first.

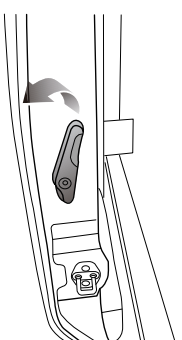
To unlock manually or open the tail door from the outside, as for the vehicle with a keyhole, turn the ordinary key or mechanical key portion clockwise to unlock. If the vehicle doesn't have a keyhole, use the remote key to unlock it in an electronic form.



Then pull up the handle to open the right hand tail door first.



Pull the door handle at the side of the left hand tail door rearward to open the left hand tail door.



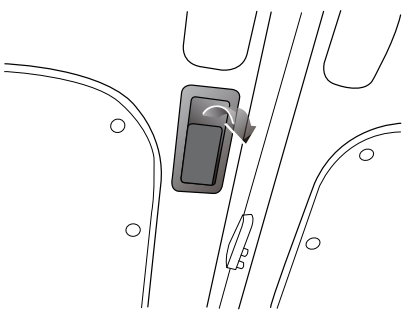
Closing/locking doors from the outside

To close and lock the tail door from the outside, shut the left hand tail door first, and push the left hand tail door to close, then close the right hand tail door.

As for the vehicle with a keyhole, turn the ordinary key or mechanical key portion counterclockwise to lock. If the vehicle doesn't have a keyhole, use the remote key to lock in an electronic form.

Unlocking/opening doors from the inside

To unlock and open the tail door from the inside, pull the inner handle at the inside of the right hand tail door rearward to unlock the right hand tail door. Then pull the door handle at the side of the left hand tail door to open the left hand tail door.



Tail door opening

The tail door hinge has its own limit function. The tail door with different opening degrees has different opening angles. The opening angles of the tail door shall be subject to the actual configuration of the vehicle you purchased.

It may then swing unexpectedly in windy conditions when the tail door is opened, and could harm passers-by or other road users or cause damage to the vehicle.

The tail doors should not be opened to its maximum opening on the public highway as they may interfere with the traffic or cause a hazard to pedestrians.

In certain positions of use the tail doors may obscure the vehicle's rear combined lights. When using the rear doors during the hours of darkness, it is advisable to warn other road users of the presence of the vehicle by means of additional precautions such as using a reflective warning triangle or similar device.

When closing the tail doors, please close the left hand tail door first, and then the right hand tail door. Do not close the left and right hand tail doors at the same time to avoid the crash of the car logo.

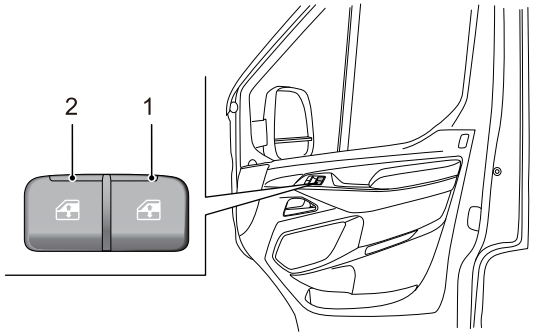
Windows

Power windows

Always remove the key if leaving children alone in the vehicle. Do not allow children to play with power window switches. A child could operate the switches and become trapped in a window causing serious injury. Always take care when closing windows. Careless operation can lead to personal injury, e.g. bruising, or trapped clothing.

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. Lift the front of the switch to close the window.



1 Driver's door window control switch

2 Front occupant door window control switch

"One-touch" down (auto down)

Note: It applies to the models equipped with driver door window one-touch down function.

The switch button (1) has 4 levels: namely, automatic down, stroke down, stroke up and stop, which can conveniently control the window glass up/down process. The switch is normally in Stop position, briefly press the window switch down to the second level, and the window glass will automatically move down.

The switch button (2) has 3 levels: namely, stroke down, stroke up and stop, which can conveniently control the window glass up/down process. During the operation, press the front of the

switch to open the window, and lift the front of the switch to close the window.

"One-touch" up and down (auto up and down)

Note: It applies to the models equipped with driver/front passenger door window one-touch up/down function.

The switch button (1) and (2) have 5 levels: namely, automatic down, stroke down, automatic up, stroke up and stop, which can conveniently control the window glass up/down process. The switch is normally in stop position, briefly press the window switch down to the second level, and the window glass will automatically move down. Briefly pull the window switch up to the second level, and the window glass will automatically move up.

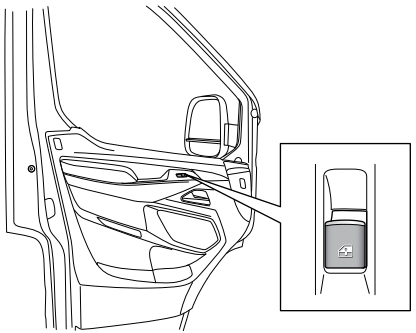
Restore Automatic Up/Down Function

If the battery cable is disconnected and then reconnected, or the battery has been drained, or the window makes 3 anti-pinch operations at the same position for 3 consecutive times during the raise, the automatic up/down function may not work, and it must be re-learned to restore this function.

Close all doors and lift the window up/down switch until the window is fully closed. After the window is fully closed, continue to lift the switch for a few seconds; press and hold the window up/down switch until the window is fully opened, after the window is fully opened, continue to press and hold the switch for a few seconds, and the automatic up/down function will resume.

Front occupant door window

There is only 1 window switch on the front passenger door, it has 3 levels: namely, stroke up, stroke down and stop, which can conveniently control the window glass up/down process. During the operation, press the front of the switch to open the window, and lift the front of the switch to close the window.



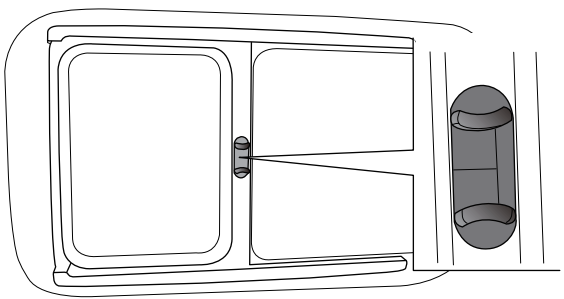
Note: Power windows can operate only when the ignition switch is in "ON" position.

Side sliding windows

When open, always ensure that the catch engages in one of the securing positions, otherwise the window might slide forward under sudden braking or in an accident and cause personal injury.

To open, squeeze the catch and slide the window to the desired position.

To close, squeeze the catch and slide the window closed. Release the catch and check that the window is secured in the closed position.

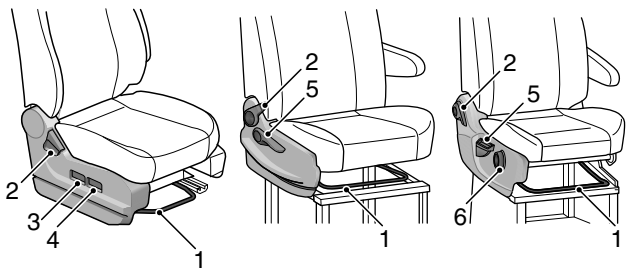


Seats

Driver and front occupant seat adjustment

Driver's seat adjustment

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



Fore and aft adjustment

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 backrest and the upright position is near 25°.

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

Pad height adjustment

The front and rear of the seat pad can be adjusted independently for height. The height of the rear of the pad can be adjusted while holding up the lever (3), and the front while holding up the lever (4).

The seat pad can be adjusted for height. Pulling up the lever (5) can raise the pad, and pressing the lever (5) can lower the pad. To adjust the pad significantly, it is required to pull up or press down the lever (5) continuously.

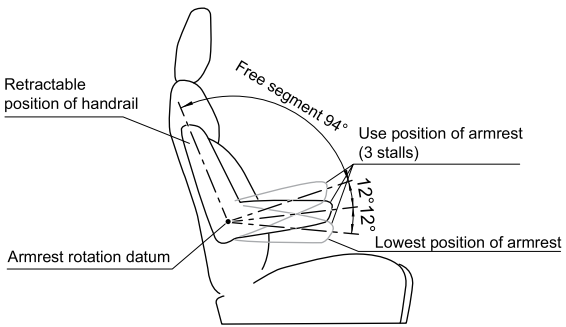
The front of the seat pad can be adjusted independently for height by turning the knob (6).

Note: When increasing the pad height, ease your body weight from the seat pad; when decreasing the pad height, press the seat pad with your body weight to lower the pad height.

Armrest height adjustment (if adjustable)

The armrest can be adjusted upwards from the lowest position as needed. There are three positions in total.

When it is required to lower the armrest from a higher position, it is necessary to raise the armrest to the highest position first, then lower the armrest to the lowest position, and then adjust the armrest upwards to the desired position.



Front occupant single seat adjustment

Rake adjustment of backrest (if adjustable)

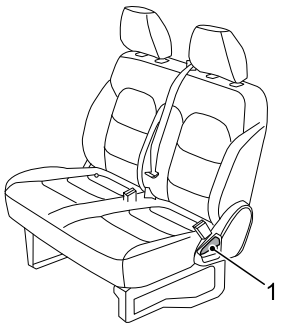
Rake adjustment of front occupant single seat backrest is the same as that of the driver's seat.

Armrest height adjustment (if adjustable)

Armrest height adjustment of front occupant single seat is the same as that of the driver's seat.

Front occupant dual seat adjustment

Rake adjustment of backrest (if adjustable)



- Integral front occupant dual seat

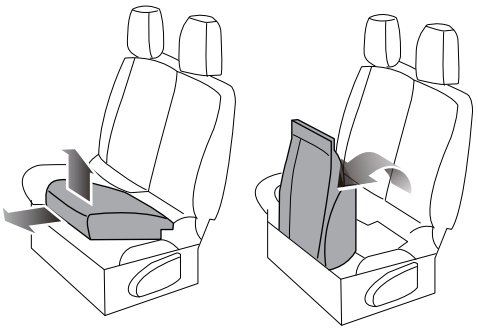
  Adjusting the outer handle (1) of the seat can adjust the rake of the dual seat backseat. Rake adjustment is the same as that of the driver's seat.
- Fixed front occupant dual seat

  The fixed front occupant dual seat backrest is not adjustable, without adjustment handle.

Pad lifting adjustment (if adjustable)

Note: It is applicable to the integral front occupant dual seat and the fixed front occupant dual seat.

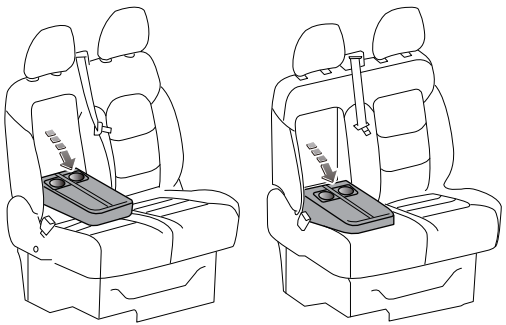
Lift the front end of the pad to release the clip, and then lift the pad completely.



Seat armrest adjustment (if adjustable)

Note: It is applicable to the integral front occupant dual seat and the fixed front occupant dual seat.

The seat armrest is located in the middle of the inner seat backrest. Pull it down and push it flat forward for use. The cup holder is located at the rear of the armrest.



Integral front occupant dual seat Fixed front occupant dual seat

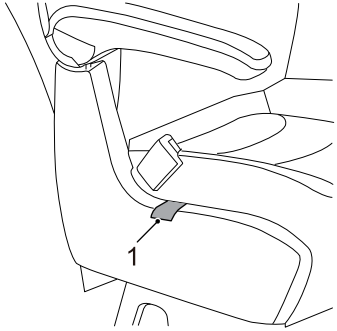
Caution
Do not sit on the seat armrest or place heavy objects on it.

Rear occupant seat adjustment

Rake adjustment of backrest (if adjustable)

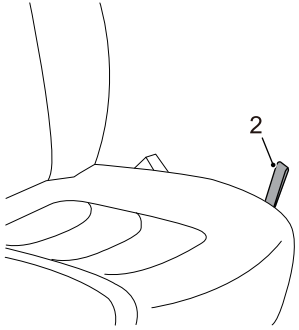
Aisle side seat backrest adjustment

The outer seat backrest can be adjusted by pressing the adjustment button (1) while leaning the body against the backrest until the desired backrest angle is reached.



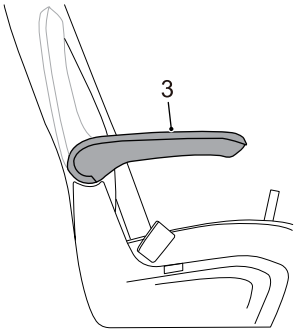
Inner dual seat backrest adjustment

The inner seat backrest can be adjusted by pulling the handle webbing (2) while leaning the body against the backrest until the desired backrest angle is reached.



Rear seat armrest adjustment (if adjustable)

Lift the armrest to pack it up. To use the armrest again, lower it flat to position (3).



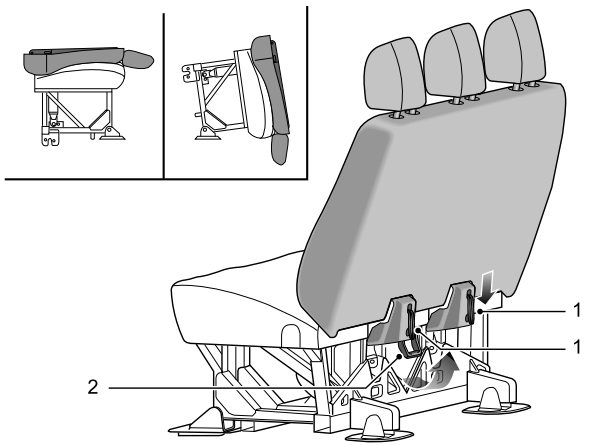
Seat back folding adjustment (if adjustable)

Dual/triple seat back folding

While keeping pulling belt release buckle (1) rearward, push the seat back forward to fold it. While keeping pulling belt release buckle (1) rearward, push the seat back backward to make it return to upright position.

Seat folding forward adjustment (if adjustable)

With seat back folded, while keeping lifting up handle (2), push seat forward to fold it forward. While keeping lifting up handle (2), push seat backward to make it return to upright position.

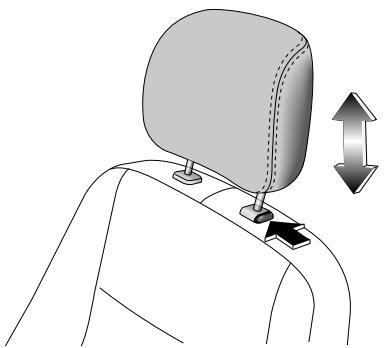


Headrest

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 have been 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° angle so that you 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 adjusted so that its center is level with the back of your head, not your neck.
- The shoulder belt should go through the center of your shoulder (adjust its height as necessary), while the lap strap fit tightly across the hips, not the stomach.

Seat belts

Improperly worn or improper use of seat belts may 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 sized occupants. 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. Put the shoulder belt of seat belt across the center of the shoulder and the lap belt close to the body to go over the hips. Strictly prohibit the use of slack and twisted seat belts, and seat belts can not be twisted to wear.

Never use a seat belt for more than one person, and never use it to secure an additional object or a child. Each seat belt can only be used by one occupant. It's dangerous to wrap a seat belt around a child in the occupant arms.

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 onto the child.

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

If the seat belt has been used in a serious accident, or shows serious wear, or has been cut, or the visual load meter shows that the seat belt is no longer available, the seat belt assembly must be replaced.

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 the retractor or buckle mechanisms.

Each seat belt is fitted with a retractor. When the seat belt is pulled out slowly, the retractor can ensure that the seat belt is retracted freely. But if the seat belt is pulled out too fast or under a sudden impact (a sudden deceleration, acceleration, sharp turn), the seat belt will be locked. See "Seat belt" in Maintenance and Service section for the specific inspection methods.

When the seat belt is not used, be sure to retract the seat belt webbing completely, straighten the webbing and put the tongue in place, and keep the webbing and tongue clean to prevent dust and impurities.

Be careful to avoid the erosion of webbing by polishing agents, oils and chemicals (especially battery acid). It can be cleaned safely with a mild soap and water. After wear, erosion or damage of the webbing occurs, the seat belt assembly should be replaced.

The driver and front occupant seats of this vehicle series are configured with adjustable force-limiting seat belts without pre-tightening belt, and the rear seats are equipped with three-point seat belts.

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

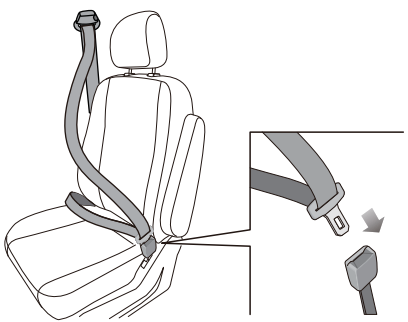
Seat belts

Fastening

The seat belt is pulled out slowly, passes through the shoulder to be fastened in front of the body, verify that the belt is not twisted or tied, then push the tongue into the buckle until a click is heard.

Loosening

Press the red button on the buckle, then the tongue will pop out under the action of the elastic force. Push the tongue back manually, so that the automatic seat belt retractor can contract the whole seat belt more easily.



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

Seat belt warning light

See “Warning lights and indicators” in this section for the specific description of the "Seat belt warning light".

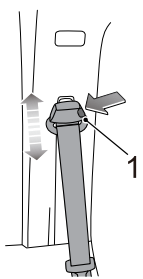
Seat belt height adjustment

Ensure that the slide adjuster is secure after making an adjustment.

Do not adjust the height of the driver seat belt while driving, as the control of vehicle may be lost.

Only the height of the driver seat and front occupant seat shoulder-to-hip belt can be adjusted.

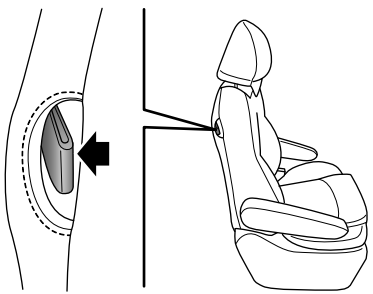
Press down the button (1) and slide the seat belt top slide adjuster up or down to suit the height of the occupant. Release the button (1) at the proper position.



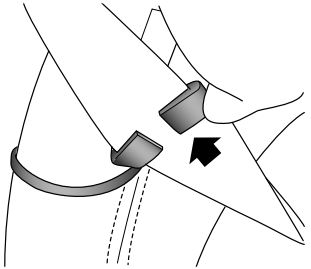
Safety belt comfort adjusting ring

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.

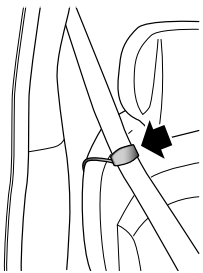
Take out the comfort adjusting ring from the pocket at the back of seat.



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.



Locking safety belt, see “Seat 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.

Airbag(s)

No safety system can provide complete protection for personal injury or death in a severe crash. Injuries or death can occur, even if seat belts are worn properly and the airbags inflate.

After inflation some airbag components are hot - Do NOT touch until they have cooled.

An airbag inflates with considerable force and can cause facial abrasions and other injuries. These effects can be minimized by ensuring that you and your occupant(s) are wearing seat belts.

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

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

Never attach accessory items e.g. a mobile phone bracket, cup holder, cassette tray, etc. to the steering wheel cover or the airbag module cover, or stick/insert anything to an airbag module cover. It could interfere with inflation of the airbag or, if the airbag inflates, be propelled into the vehicle to cause injury to occupants.

Do not allow an occupant to obstruct the deployment of the airbag by putting feet, knees, etc. in contact with, or in close proximity to the airbag module cover.

It is forbidden to put the seat cover and other related decorative seat items that affect the deployment of seat airbags on the seats equipped with seat airbags.

Do not modify the seats equipped with seat airbags at will.

Do not paste any sharp objects on A, B, C and D pillars of the vehicle at will, and modify A, B, C and D pillars, so as to avoid injuries to occupants during the operation of airbags.

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

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

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

Do not attempt to repair or tamper with the steering wheel, steering column, any airbag system or an airbag component with wiring in the vicinity of it. Otherwise, it may cause inadvertent activation of the system resulting in personal injury.

Do not modify the front and both left and right sides of the vehicle in any way as this could adversely affect the airbag deployment.

If the vehicle is to be scrapped, undeployed airbags 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 the driver airbag, front occupant airbag, front seat side airbag and front side curtain airbag.

Note: The airbag is a supplementary protection device, while the seat belt is still the main protection device and must be worn during driving.

Caution
• When an airbag 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 airbag(s) renewed 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.

Airbag inspection

If the ignition switch is turned on, the warning light is not ON or OFF after 6 seconds, or ON when driving, it indicates that the airbag is faulty. Contact our Service Dealer for service as soon as possible.

The "Airbag warning light (red)" on the instrument cluster will flash for 6 seconds each time the ignition switch is turned to ON position,  which indicates that the airbag inspection is in progress.

Airbag deployment

In case of a collision, the airbag control unit will determine if the airbag should be deployed according to the detected deceleration or acceleration caused by vehicle collision.

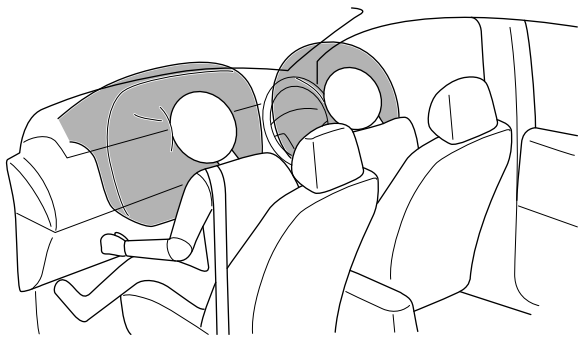
The airbag will work based on the crash object, direction, position and the vehicle speed change rather than vehicle speed. Damage severity of vehicle shall not be considered as the judgment of airbag deployment.

The airbag will deploy instantaneously and powerfully with a loud noise. The deployed airbag, together with the seat belt restraint system, limit the movement of the driver and the front occupant, thereby reducing the risk of injury to the head and upper torso.

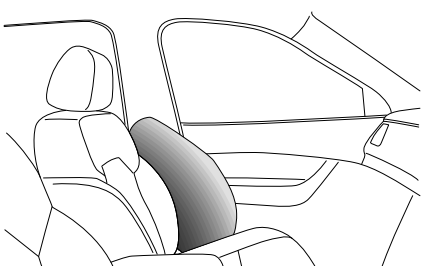
Upon deployment, the airbag will shrink immediately to ensure the driver could look forward without block.

Note: When it is deployed, some airbag components are hot, so do not contact it before cooling down.

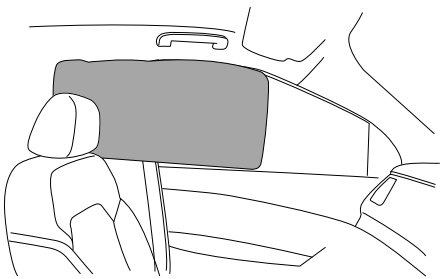
- Schematic diagram for deployment area of driver and front occupant airbags



- Schematic diagram for deployment area of front seat side airbags



- Schematic diagram for deployment area of front side curtain airbags



Replace airbag system components after a collision accident

The airbag system could be damaged due to a collision accident. Thus the airbag system cannot operate normally to protect you and occupants in future collision accidents resulting in serious injury even death. To ensure the airbag system remains valid after a collision accident, consult our Service Dealer to make necessary replacement of components.

Once the airbag inflates, it is required to replace the components of the airbag system. Contact our Service Dealer for service as soon as possible.

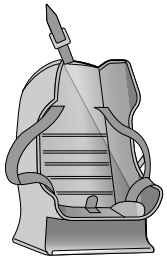
Child restraints (not supplied with the vehicle)

DEATH or SERIOUS INJURY may occur! Children 12 and under can be killed by the airbag. NEVER use a child or infant restraint that faces backward on the front seat and the expanded airbag will cause serious child or infant injury and even death. Sit as far back as possible from the airbag.

NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur!

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.

When fitting and using a child restraint, always follow the manufacturer's instructions.



As a child is much easier to be injured by the expanded airbag than an adult, so a child under 12 years old is suggested taking the rear seat. Usually, infants under 2 years old shall use a infant restraint and children under 2-4 years old shall use the child restraint. Infant or child restraints are available in the market.

Because there are various size and types of infant or children restraints, you are recommended to choose the suitable protection device depending on the infant's or children's age and weight to achieve the best protection. At the same time, you should check that the restraint is suitable for your vehicle as well.

Child restraint anchor

Some of the seats of this model are equipped with the ISOFIX standard interfaces and TOP TETHER interfaces on the backs. Please refer to the seats of your actual vehicle. When installing and removing the child restraints, always follow the manufacturer's instructions.

Caution
It is preferable to fit the infant or child restraint on the rear seat. In the case the infant or child restraint shall be positioned on the front seat while the vehicle is in motion, the infant or child restraint must face forward. No matter what location, ensure properly secure the infant or child restraint. Note that an unsecured infant or child restraint may move and run into other occupants 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.

Installation methods for child restraints

1 Pull the child restraint tether through the head restraint guide to connect the tether hook and TOP TETHER fixed points. (This step only applies to the model with TOP TETHER)

2 Insert the child restraint into the ISOFIX retaining rings until it is engaged reliably, the heard "click" sound indicates that it is installed in place.

3 When ISOFIX is correctly connected, press down the child restraint with your body and tighten the ISOFIX tether to fix the seat firmly on the vehicle.

Top tether

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.

In order to use top tether child restraint anchorage, you must buy the child restraints which meet the top tether standard.

The restraint strap and attachment clip may be damaged or disconnected by unsecured vehicle contents. To ensure a secure engagement, before each use of the restraint follow this procedure.

- **The restraint strap and attachment clip may be damaged or disconnected by unsecured vehicle contents. To ensure a secure engagement, before each use of the restraint follow this procedure.**
- **Tighten the Upper Anchorage Strap and ensure that strap is not twisted.**
- **Make sure the attachment clip is correctly engaged.**

When fitting and using a child restraint, always follow the manufacturer's instructions.

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

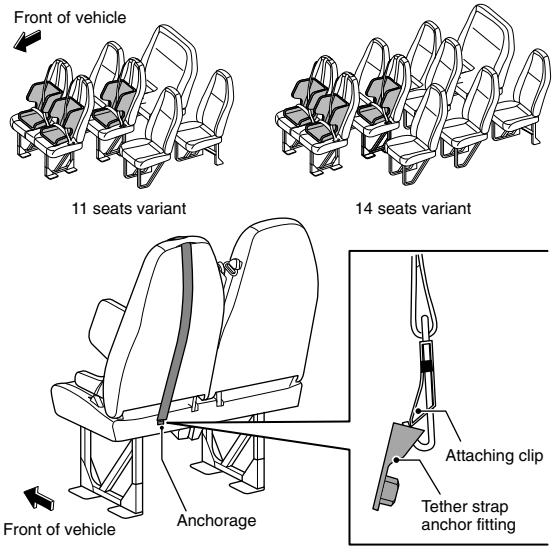
Fitment instructions as follows:

1 Route the tether strap over the seat back and through the guide that is installed on the top of the seat.

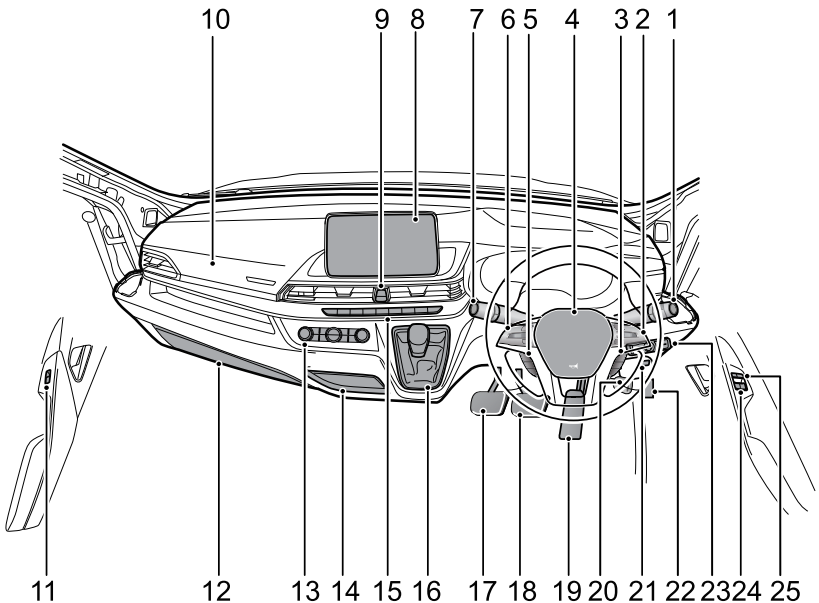
2 Attach the attaching clip to the tether strap anchor fitting.

3 Attach the child restraint seat using the seat belt, refer to child restraint seat instructions.

4 Adjust the tether strap length until it is attached tightly with the seat structure.



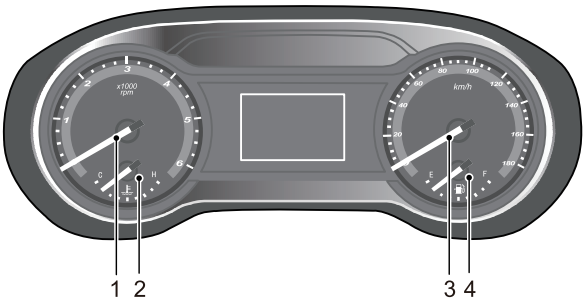
Instruments and controls



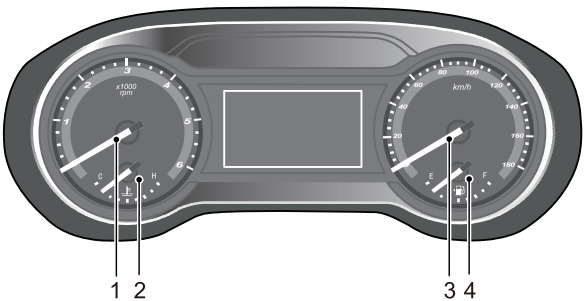
1 Wiper and washer stalk, Instrument cluster menu switch
2 Volume control, Mute, Audio source switch
3 Speech system switch
4 Driver airbag
5 Instrument cluster selection switch
6 Cruise switch
7 Combination lamp control and direction indicator stalk
Instrument cluster setting switch
8 Entertainment system
9 Hazard warning light switch
10 Front occupant airbag
11 Front occupant door window control switch
12 Glove box
13 A/C control panel
14 Cigar lighter, Ashtray
15 Central control switch group
16 Shift lever
17 Clutch peda
18 Brake pedal
19 Accelerator pedal
20 Ignition switch
21 SOS alarm switch
22 Hood release switch
23 Exterior rearview mirror power adjustment switch
Headlamp leveling switch
Instrument cluster illumination control switch, USB port
24 Driver and front occupant door window control switch
25 Central control door lock switch

Instrument cluster

Type 1



Type 2



1 Tachometer

2 Engine coolant temperature gauge

3 Speedometer

4 Fuel gauge

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

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.

Engine coolant temperature gauge

Indicates the approximate engine coolant temperature. If the coolant overheats, the "engine coolant temperature warning light (red)" will illuminate.

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

Caution
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.

Speedometer

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

Fuel gauge

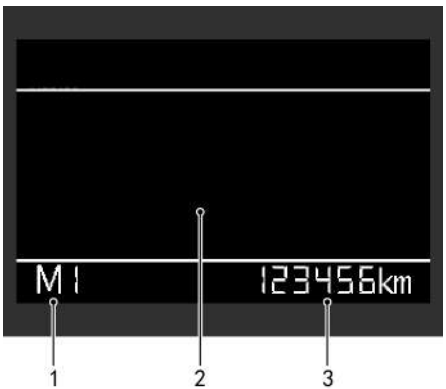
Indicates the approximate amount of fuel in the tank. If the "low fuel level warning light (yellow)" stays on or illuminates, please refuel as soon as possible.

Caution
Be sure to refuel before the pointer points to the red "E" mark.

Message center

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

Type 1



1 Gear display and upshift/downshift instructions

2 Trip computer interface

3 Total mileage

Trip computer interface

Short press the instrument cluster menu switch button on the combination switch to switch between the following interface contents:

- Trip 1

  Displays the driving distance of the vehicle since last reset. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Long press the instrument cluster setting switch SET to reset the trip.
- Trip 2

  Displays the driving distance of the vehicle since last reset. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Long press the instrument cluster setting switch SET to reset the trip.
- Average fuel consumption

  Average fuel consumption displays the approximate average fuel consumption, which is based on the average fuel consumption per 100km recorded since last reset. Long press the instrument cluster setting switch SET to reset.
- Instantaneous fuel consumption

  Displays the current instantaneous fuel consumption when the engine is working.
- Driving mileage

  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 too low, "fuel insufficient" is displayed.
- Current speed

  Displays the current speed.
- Average speed

Average speed displays the approximate average speed, which is the average road speed of the vehicle since last reset. Long press the instrument cluster setting switch SET to reset.

- Cruise speed (if configured with this feature)

  Displays the set cruise speed.
- Remaining maintenance mileage

  This message reminds you of the remaining mileage of your vehicle before the next maintenance.
- Tire pressure monitoring information (if configured with this feature)

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

On the trip computer interface, short press the SET button of the instrument pack setting switch on the combination switch to enter the setting menu interface, and select the setting interface or fault query interface by short pressing the button of the instrument pack menu switch on the combination switch, and short press the SET button to enter the selected interface.

Setting Interface

On the setting interface, short pressing the button of the instrument pack menu switch on the combination switch, you can switch among the following setting contents, and short press the SET button of the instrument pack setting switch on the combination switch to enter the selected setting menu.

- Language settings

  The desired language can be set according to the actual configuration.
- Overspeed alarm settings

  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.
- Restore factory settings

  Factory settings can be restored.

Fault Query Interface

On the fault query interface, you can check the relevant vehicle alarm fault message (if there is no fault, the interface will not be displayed).

Note: If there is no operation in the above interface within 10 seconds, it will return to the Settings menu interface.

Note: If the vehicle is not equipped with the relevant function, the interface will not be displayed.

Type 2

1 Current function name

2 Current time

3 Total mileage

4 Trip computer interface

5 Gear display and upshift/downshift instructions

Trip computer interface

Short press the instrument cluster selection switch ^ or v button on the steering wheel to switch between the following interface contents:

- Trip 1

  Displays the driving distance of the vehicle since last reset. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Long press the instrument cluster selection switch OK button on the steering wheel to reset.

- Trip 2

  Displays the driving distance of the vehicle since last reset. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Long press the instrument cluster selection switch OK button on the steering wheel to reset.

- Average fuel consumption

  Average fuel consumption displays the approximate average fuel consumption, which is based on the average fuel consumption per 100km recorded since last reset. Long press the instrument cluster selection switch OK button on the steering wheel to reset.

- Instantaneous fuel consumption

  Displays the current instantaneous fuel consumption when the engine is working.

- Driving mileage

  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 too low, "fuel insufficient" is displayed.

- Current speed

  Displays the current speed.
- Average speed

  Average speed displays the approximate average speed, which is the average road speed of the vehicle since last reset. Long press the instrument cluster selection switch OK button on the steering wheel to reset.
- Cruise speed (if configured with this feature)

  Displays the set cruise speed.
- Remaining maintenance mileage

  This message reminds you of the remaining mileage of your vehicle before the next maintenance. Remaining maintenance mileage can be reset through key operation: in the remaining maintenance mileage interface, long press the instrument cluster selection switch OK button on the steering wheel to reset the maintenance mileage.
- Tire pressure monitoring information (if configured with this feature)

  In normal mode, it displays the current tire pressure in real time.
- Driver assistance information (if configured with this feature)

  Displays the information related to the driver assistance.

  – Adaptive cruise control following distance display

  – Lane departure warning

  – Adaptive cruise target speed display

  – Collision time display

On the trip computer interface, short press the OK button of the instrument pack selection switch on the steering wheel to enter the setting menu interface, and select the setting interface or fault query interface by short pressing the ^ or v button of the instrument pack selection switch on the steering wheel, and short press the OK button to enter the selected interface.

Setting Interface

On the setting interface, short press ^ or v button of the instrument pack selection switch on the steering wheel, you can switch among the following setting contents, and short press the OK button to enter the selected setting menu.

- Language settings

  The desired language can be set according to the actual configuration.
- Overspeed alarm settings

  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.
- Restore factory settings

  Factory settings can be restored.

Fault Query Interface

On the fault query interface, you can check the relevant vehicle alarm fault message (if there is no fault, the interface will not be displayed).

Note: If there is no operation in the above interface within 10 seconds, it will return to the Settings menu interface.

Note: If the vehicle is not equipped with the relevant function, the interface will not be displayed.

Alarm messages

Most of alarm messages will have a corresponding graphic and text description in the instrument cluster. If more than one alarm message is activated, the new alarm message will be first displayed for 9 seconds, then the alarm messages will be displayed in a cycle; each alarm message will be displayed for 3 seconds. Some alarm messages, such as DPF alarm, will be displayed in a cycle. Only when the alarm is canceled will the cycled alarm disappear.

Please operate in strict accordance with the instructions in the alarm message. If there is no 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 canceled by short pressing the OK button on the steering wheel or the SET button on the combination switch. It can also be viewed in the alarm query interface after canceled.

Caution
For the user's safety, when the door is open or the vehicle is in driving status, the alarm message cannot be canceled by short pressing the OK button on the steering wheel or the SET button on the combination switch. The user must close the door and enter the trip computer interface to perform relevant operations when the vehicle is stationary.

If all the alarm messages are canceled, 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

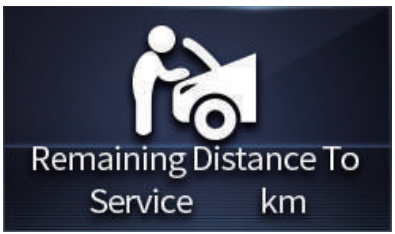
Indicative messages disappear automatically after 3 seconds.

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

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 immediately.

Maintenance overdue reminder

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

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 "TMPS warning light (yellow)"  on the instrument cluster illuminates, and the instrument display shows the corresponding alarm interface.

Warning lights and indicators

Direction indicator

 The left or right "direction indicators (green)" flash when making a turn. When the hazard light switch is pressed, the left and right direction indicators flash simultaneously.

Note: If a direction indicator flashes rapidly, it indicates that the bulb in this direction indicator is faulty.

Headlight main beam indicator

 The "headlight main beam indicator (blue)" illuminates when the headlights are on main beam or flash on.

Front fog light indicator

 The "front fog light indicator (green)" illuminates when the front fog lights are on.

Rear fog light indicator

 The "rear fog light indicator (yellow)" illuminates when the rear fog lights are on.

Position light indicator

 The "position light indicator (green)" illuminates when the position lights are on.

Engine immobilizer warning light

 With the ignition switch in ON position, if the engine immobilizer authentication is successful, the "engine immobilizer warning light (yellow)" will go out and the engine can be started. If the warning light flashes, it indicates that the immobilizer breaks down and the engine cannot be started. Please contact our Service Dealer for service immediately.

Body theft deterrent warning light

 When the vehicle enters the antitheft state, the "body theft deterrent warning light (red)" flashes.

When the vehicle exits the antitheft state, the "body theft deterrent warning light (red)" goes out.

If the theft deterrent alarm is triggered, the "body theft deterrent warning light (red)" flashes, accompanied with audible and visible alarm.

TPMS warning light

 When the ignition switch is turned to ON position, the "TPMS warning light (yellow)" illuminates and goes out after several seconds. When the tire pressure monitoring system breaks down, the "TPMS warning light (yellow)" illuminates. Please contact our Service Dealer for service as soon as possible.

Fuel filter water level warning light

 If the "fuel filter water level warning light (yellow)" illuminates when driving, stop the vehicle as soon as possible and drain water from the fuel filter. See “Draining fuel filter” in Emergency Troubleshooting section.

Glow plug indicator

 When the ignition switch is turned to ON position, the "glow plug indicator (yellow)" illuminates. If the "glow plug indicator (yellow)" goes out after the preset time has elapsed, the engine can be started.

Caution
If the indicator stays on after the engine is started, please contact our Service Dealer for service as soon as possible.

Engine malfunction warning light

 When the ignition switch is turned to ON position, the "engine malfunction warning light (yellow)" illuminates and goes out after several seconds.

If the warning light illuminates, it indicates that the engine-related parts are faulty, please contact our Service Dealer for service as soon as possible.

Emission MIL

 When the ignition switch is turned to ON position, the "emission MIL (yellow)" illuminates and goes out after the engine is started.

Caution
If the emission MIL stays on or illuminates while driving, it indicates that the operating system related to the vehicle emission is faulty. Please contact our Service Dealer for service as soon as possible, meanwhile, avoid high engine speed or fast acceleration.

DPF (Diesel Particulate Filter) warning light

 When the ignition switch is turned to ON position, the "DPF warning light (yellow)" illuminates and goes out after several seconds. If the DPF warning light stays on, it indicates a DPF Level 1 alarm, which requires high-speed driving or safe triggering of regeneration in situ; if the DPF warning light flashes, it indicates a Level 2 alarm, which requires immediate triggering of regeneration in situ if it is safe to do so. See “Catalytic converter” in Starting and Driving section for details.

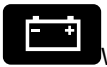
Oil pressure warning light

 When the ignition switch is turned to ON position, the "oil pressure warning light (red)" illuminates and goes out after the engine is started.

If the warning light stays on when the engine is running or illuminates while driving, shut down the engine immediately, check the oil level and contact our Service Dealer for service as soon as possible. See “Engine oil” in Maintenance and Service section.

Caution
Do not restart the engine even if the oil level is normal. Please contact our Service Dealer for service as soon as possible.

Battery no-charge warning light

 When the ignition switch is turned to ON position, the "battery no-charge warning light (red)" illuminates and goes out after the engine is started.

Caution
If the light fails to go out after the engine is started or illuminates while driving, it indicates that the charging system breaks down. Please contact our Service Dealer for service as soon as possible.

Engine coolant temperature warning light

 When the ignition switch is turned to ON position, the "engine coolant temperature warning light (red)" illuminates and goes out after several seconds, which will indicate the engine coolant temperature. If the coolant is overheated, the red warning light in the instrument cluster 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.

Caution
If the red warning light illuminates, stop the engine as soon as possible to cool the coolant, and contact our Service Dealer for service as soon as possible.

Low fuel warning light

 When the ignition switch is turned to ON position, the "low fuel warning light (yellow)" illuminates and goes out after several seconds, which will indicate the approximate fuel amount in the fuel tank. If the yellow warning light stays on or illuminates, please refuel as soon as possible.

Airbag warning light

 When the ignition switch is turned to ON position, the "airbag warning light (red)" illuminates and goes out after several seconds.

If the light fails to come on or flash, or fails to go out, or if it comes on or flashes while driving, it indicates that there is a malfunction in the system. Contact our Service Dealer for service as soon as possible.

For further information about the airbags, see “Airbag(s)” in this section.

Seat belt warning light

 When the ignition switch is turned to ON position, the "seat belt warning light (red)" illuminates and goes out after several seconds. When the driver and front occupant seat belts are not properly fastened, the "seat belt warning light (red)" illuminates. When the speed is greater than 22 km/h and the driver and front occupant seat belts are not properly fastened, the instrument cluster activates a seat-belt-unfastened audible warning. and the "seat belt warning light (red)" flashes for about 90 seconds. When the seat belts are fastened, the "seat belt warning light (red)" goes out and the audible warning stops. When the vehicle is in reverse gear or the speed is less than 10 km/h, and the driver and front occupant seat belts are not properly fastened, the instrument cluster does not activate any audible warning, while the "seat belt warning light (red)" illuminates. When the seat belts are fastened, the "seat belt warning light (red)" goes out.

Note: Opening the door will reset the time when the seat belt warning light flashes.

Brake system warning light

 With the ignition switch in ON position, if the parking brake is applied, the "brake system warning light (red)" illuminates, and goes out once the parking brake is released completely. If the light fails to go out after the parking brake is released or illuminates again while driving, it indicates that the brake system breaks down; please stop the vehicle immediately, and contact our Service Dealer for service as soon as possible.

ESP (Electronic Stability Program) indicator

 When the ignition switch is turned to ON position, the "ESP indicator (yellow)" illuminates and goes out after several seconds.

The "ESP indicator (yellow)" flashes when the ESP operates normally while driving.

The "ESP indicator (yellow)" illuminates when the ESP breaks down.

Contact our Service Dealer for service as soon as possible. For further information about ESP, please see “Brake system” in Starting and Driving section.

ESP (Electronic Stability Program) OFF indicator

When the ignition switch is turned to ON position, the "ESP OFF indicator (yellow)" illuminates and goes out after several seconds.

The "ESP OFF indicator (yellow)" illuminates when the ESP function is turned off by pressing the ESP OFF switch.

ABS (Anti-lock Braking System) warning light

When the ignition switch is turned to ON position, the "ABS warning light (yellow)" illuminates and goes out after several seconds.

If the ABS warning light fails to go out or illuminates again while driving, it indicates that the ABS breaks down; please contact our Service Dealer for service as soon as possible.

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

EPS (Electric Power Steering) system MIL

When the ignition switch is turned to ON position, the "EPS system MIL (red)" illuminates, which indicates that the EPS system breaks down; please stop the vehicle immediately, and contact our Service Dealer for service as soon as possible. See "Power steering unit" in Starting and Driving section for more information.

Power side stepwell indicator

If your vehicle is equipped with power side stepwells, open the door with the power side stepwell installed. When the power side stepwell is in the process of extending or retracting, the "power side stepwell indicator (yellow)" flashes and the instrument cluster activates an audible warning. When the power side stepwell is fully extended, the "power side stepwell indicator (yellow)" illuminates. Closing the door with the power side stepwell installed will extinguish the "power side stepwell indicator (yellow)". When the power side stepwell fails to fully extend or retract, the "power side stepwell indicator (yellow)" flashes and the instrument cluster continuously activates an audible warning. Close all doors tight before driving.

Door open warning light

The "door open warning light (red)" illuminates when any of the doors are not fully closed. The "door open warning light (red)" goes out when all doors are fully closed. Close all doors tight before driving.

Cruise control indicator

With the ignition switch in ON position, if the cruise system is on standby, the "cruise control indicator (white)" illuminates; if the cruise system is active, the "cruise control indicator (green)" illuminates. See “Cruise control system” in Starting and Driving section for more information.

Adaptive cruise control (ACC) indicator

With the ignition switch in ON position and ACC enabled, if the conditions for activating the adaptive cruise control system are met, the "ACC indicator (green)" illuminates. When the adaptive cruise control system is in standby mode, the "ACC indicator" changes from green to white. See “Driver assistance system” in Starting and Driving section for more information.

Vehicle ahead indicator

With the ignition switch in ON position, ACC function is activated, if a vehicle is detected within the monitoring scope ahead, the "vehicle ahead indicator (green)" illuminates; when your vehicle is too close to the vehicle ahead, the yellow light is always on. See “Driver assistance system” in Starting and Driving section for more information.

Adaptive cruise control following distance indicator

With the ignition switch in ON position and ACC enabled, after the following distance is set, the "ACC following distance indicator (yellow)" illuminates. See “Driver assistance system” in Starting and Driving section for more information.

Forward Collision Warning (FCW) / Automatic Emergency Braking (AEB) warning light

With the ignition switch in ON position and the FCW operating, if the AEB doesn't be activated, the "FCW/AEB warning light (yellow)" flashes; if the AEB is activated, the "FCW/AEB warning light (red)" illuminates. See “Driver assistance system” in Starting and Driving section for more information.

Lane departure warning light

 When the ignition switch is turned to ON position and LDW is on standby, the "LDW light (white)" illuminates.

When LDW is operating, the "LDW light (green)" illuminates.

When LDW is operating and gives an alarm, the "LDW light (yellow)" flashes.

When LDW is turned off or faulty, the "LDW light (yellow)" illuminates.

If the light illuminates yellow when LDW is enabled, it indicates that the LDW breaks down; please contact our Service Dealer for service as soon as possible. See “Driver assistance system” in Starting and Driving section for more information.

120 km/h warning light

Note: It is applicable to the models which will give an alarm when the vehicle speed is above 120 km/h.

When the ignition switch is turned to ON position, the "120 km/h warning light (red)" illuminates and goes out after several seconds. When the vehicle speed is above 120 km/h, the "120 km/h warning light (red)" illuminates; please slow down to avoid overspeed driving.

Auto stop/start system indicator

 /  When the ignition switch is turned to ON position, the start/stop system is enabled, while the conditions for start/stop are not met, the "auto stop/start system indicator (white)"  illuminates.

With the ignition switch in ON position and the start/stop system enabled, if the engine shuts down automatically, the "auto stop/start system indicator (green)"  illuminates.

With the ignition switch in ON position and the start/stop system enabled, if the start/stop system breaks down, the "auto stop/start system indicator (yellow)"  illuminates.

See “Auto stop/start system” in Starting and Driving" section for more information.

Next vehicle maintenance reminder indicator

 When the vehicle reaches the maintenance mileage, "next vehicle maintenance reminder indicator (yellow)" illuminates; please contact our Service Dealer for vehicle maintenance.

eco indicator

eco An indicator informing the driver of the fuel supply condition while driving. When driving, if the "eco indicator (green)" illuminates, it indicates the vehicle is driven in a fuel-saving state; if the "eco indicator (green)" goes out, it indicates that the vehicle is not driven in a fuel-saving state. The main purpose is to cultivate good driving habits.

ECO indicator

ECO When the ignition switch is turned to ON position, the "ECO indicator (green)" illuminates and goes out after several seconds. When ECO switch is pressed, the "ECO indicator (green)" illuminates. See “Central control switch block” for further information.

PWR indicator

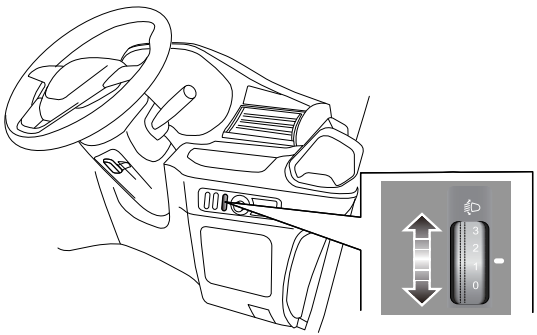
PWR When the ignition switch is turned to ON position, the "PWR indicator (red)" illuminates and goes out after several seconds. When PWR switch is pressed, the "PWR indicator (red)" illuminates. See “Central control switch block” for further information.

Instrument cluster switch

Headlamp leveling switch

The headlamp leveling switch is located on the instrument cluster at driver side.

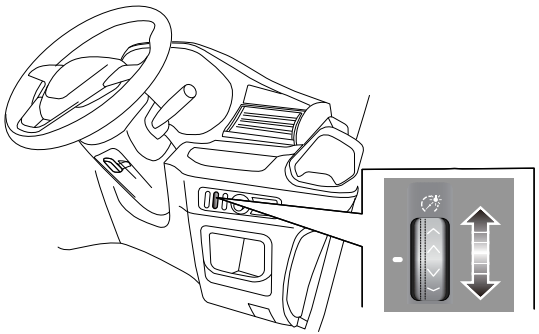
With this function, the headlamp leveling can be adjusted to the condition suitable for the vehicle driving roads. The correction of headlamp leveling can reduce the dazzling light to other drivers.



Move the headlamp leveling switch upwards or downwards to adjust the headlamp leveling. 0 position is the original position. As the vehicle loads increase, adjust the illuminating height according to the sequence of 1-2-3.

Instrument cluster illumination control switch

The instrument cluster illumination control switch is located on the instrument cluster at driver side.



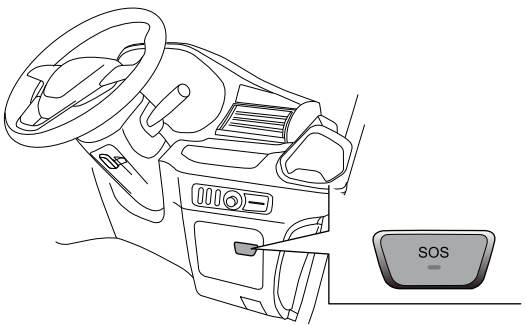
Use the instrument cluster illumination control switch to adjust the brightness of instrument cluster illumination.

Move the switch upwards or downwards to brighten or dim the illumination lamp.

SOS alarm switch

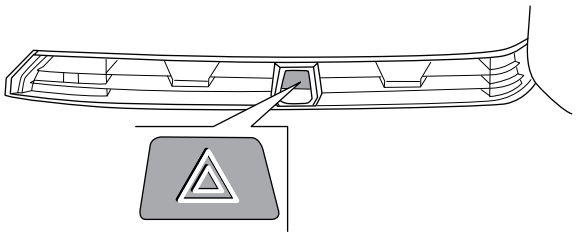
Note: It is applicable to the vehicle equipped with the SOS alarm switch.

In case of an emergency, you may press the SOS alarm switch to send signals to the monitoring platform, and the platform can carry out the subsequent assistance work.



Caution
This switch is for emergency use only, please do not operate it without permission.

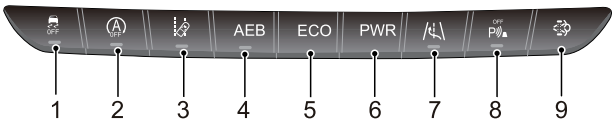
Hazard warning light switch



Press the hazard warning light switch⚠ to activate all the direction indicators simultaneously, and the "direction indicator (green)" in the instrument cluster will illuminate and flash. Press the switch again to turn off the above lights.

Note: Turn on hazard warning lights to prompt other vehicles that your vehicle has a malfunction and approaching your vehicle may be dangerous.

Central control switch block



Position 1 - : ESP OFF switch. When the ignition switch is placed in ON position, the ESP system will be enabled by default, and the indicator on the switch will go out. Press the to turn off the ESP system, the indicator on the switch will illuminate and press the button again to activate the ESP system; only ABS and EBD functions work after ESP is turned off. Please see “Brake system” in Starting and Driving section for relevant ESP instructions.

Position 2 - : Auto stop/start (system) OFF switch of engine. When the ignition switch is placed in ON position, the auto start/stop system will be enabled by default, and the indicator in the switch will go out. Press the to turn off the auto start/stop system, and the indicator on the switch illuminates. Press the button again to activate the auto start/stop system. See “Auto stop/start system” in Starting and Driving section for more information.

Position 3 - : Lane departure warning switch. When the ignition switch is placed in ON position, the lane departure warning system will be on by default, and the indicator on the switch will illuminate. Press the to turn off the lane departure warning system, the indicator on the switch goes out, and the

"LDW light" on the instrument cluster illuminates in yellow. Press the button again to activate the lane departure warning system. Please see “Driver assistance system” in Starting and Driving section for more information.

Position 4 - AEB: Automatic emergency braking switch. When the ignition switch is placed in ON position, the automatic emergency braking system will be enabled by default, and the indicator on the switch will illuminate. Press the AEB to turn off the automatic emergency braking system, the indicator on the switch goes out, and the "FCW warning light/AEB warning light" on the instrument cluster illuminates in yellow. Press the button again to activate the automatic emergency braking system. Please see “Driver assistance system” in Starting and Driving section for more information.

Position 5–ECO: Economic mode switch. Press ECO, the "ECO indicator (green)" on the instrument cluster illuminates and the vehicle drives in the economic mode with a relatively weak engine power.

Position 6 - PWR: Sport mode switch. Press PWR, the "PWR indicator (red)" on the instrument cluster illuminates and the vehicle drives in the sport mode with a relatively strong engine power.

Position 7 -: Lane change assist switch. When the ignition switch is placed in ON position, the lane change assist system will be enabled by default, and the indicator on the switch will illuminate. Press to turn off the lane change assist system, and the indicator on the switch goes out. See “Lane Change Assistance System (LCA)” in Starting and Driving section for more information.

Position 8 -: Front radar warning tone switch. Please see “Parking assist system” in Starting and Driving section for more information.

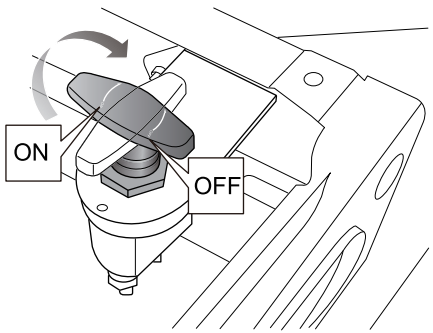
Position 9 -: DPF one-touch regeneration switch. When the "DPF warning light (yellow)" on the instrument cluster

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 (6AT automatic transmission model in P gear), enable the parking brake, and turn off the ignition switch for two minutes; start the vehicle, and press down the on-touch regeneration switch for 2 seconds, then release it, so the regeneration starts. See “Catalytic converter” in Starting and Driving section for details.

Note: The switch type mentioned above may not applicable to your vehicle, which shall be subject to the actual configuration of the vehicle you purchased.

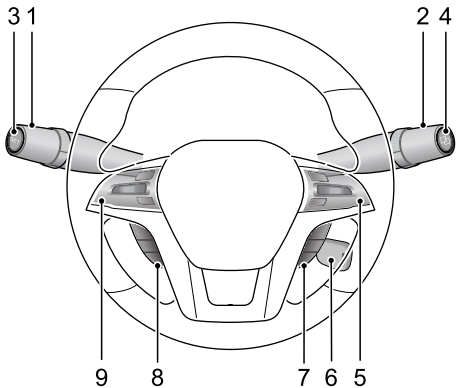
Master power switch

The master power switch is a mechanical power cut-off switch which disconnects the battery from all circuits. Before driving, open the door, move the driver seat backward, and turn the master power switch clockwise from the position vertical to the bracket (off state) to the position parallel to the bracket (on state). At this time, the master power supply of the vehicle is turned on.



Caution
The function of master switch is, if the vehicle is not used for a long time, disconnect the master switch to prevent the battery feed; Disconnect the master switch is not recommended when the engine is started.

Switches on steering column and steering wheel



1 Combination light control & direction indicator light stalk switch

2 Wiper and washer lever switch

3 Instrument cluster Settings switch (applicable to instrument cluster type 1)

4 Instrument cluster Menu switch (applicable to instrument cluster type 1)

5 Volume control, mute, audio source switch

6 Ignition switch and steering lock

7 Speech system switch

8 Instrument cluster selection switch (applicable to instrument cluster type 2)

9 Cruise switch

Ignition switch and steering lock

When the key is removed, the steering lock is activated, preventing the steering wheel from being turned.

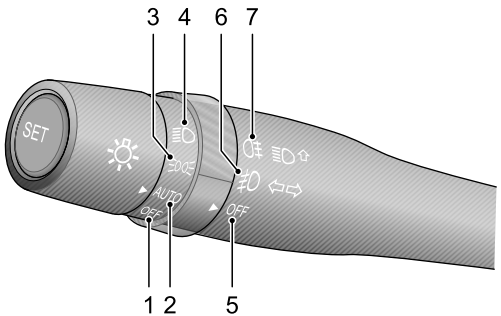
To remove the key from the ignition switch, turn it counterclockwise to position "ACC". Then press the key in towards the ignition switch and continue to turn counterclockwise to position "LOCK". The key can now be removed.

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, see "Ignition switch" in Starting and Driving section.

Combination light control & direction indicator light stalk switch

Light control switch



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

Position 1 - OFF: headlights off. Daytime running lights automatically illuminate after the engine is started.

Position 2 - AUTO: headlights automatically adjust. When the headlight switch is rotated to position 2, the headlights turn on or off according to the ambient lighting. The daytime running lights automatically illuminate when other lights are not lit after the engine is started.

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

- 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. A tone 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.

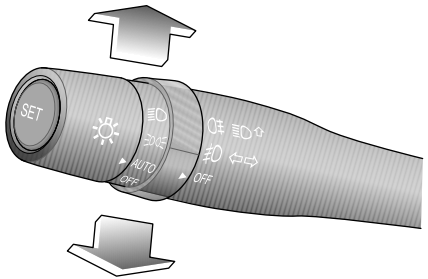
Position 6 - : front fog lights on. When the ignition switch is in position "ON" and the light control switch is in or position, rotating the switch to position turns the front fog lights on. When the light control switch is in position "AUTO" and the switch is rotated to position, the front fog lights 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 turns the rear fog lights on. When the light control switch is in position "AUTO" and the switch is rotated to position, the rear fog lights 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 illuminates.

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

Direction lights and indicators

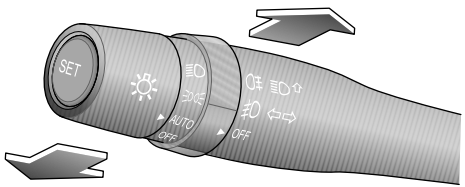


Right turn — push the lever switch upward.

Left turn — pull the lever switch downward.

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

Headlight high and low beams



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

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

Daytime running light

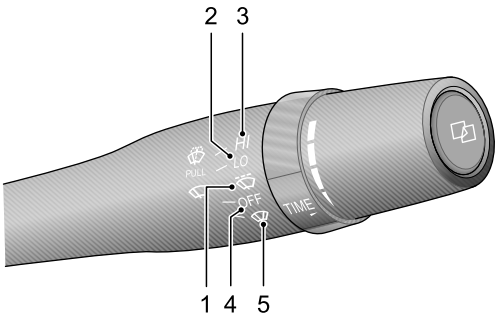
Daytime running lights make it easier for others to see the front of your vehicle clearly during the day.

If your vehicle is equipped with daytime running lights, the daytime running lights will illuminate when the ignition switch is in position "ON". The low beam, taillights, position lights, and other lights do not illuminate when the daytime running lights are on. When the ignition switch is in position "OFF" , the daytime running lights go out.

Comply with ECE R87 regulatory requirements for daytime running lights.

Wiper and washer lever switch

Windshield wiper and washer



Rotate the lever switch to the desired position.

Position 1 - : intermittent wipe. For vehicles equipped with automatic wipers, the rain sensor detects the rainfall on the windshield and automatically adjusts the wiping frequency of windshield wipers.

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

Position 2 - LO: low-speed wipe.

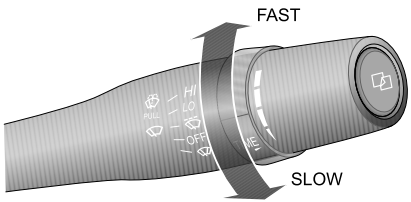
Position 3 - HI: high-speed wipe.

Position 4 - OFF: wiper off.

Position 5 - : single wipe.

Intermittent wipe/variable delay

Worn wiper blades may not clear the windshield properly, thus reducing forward visibility and be the cause of an accident. Always renew worn wiper blades immediately.



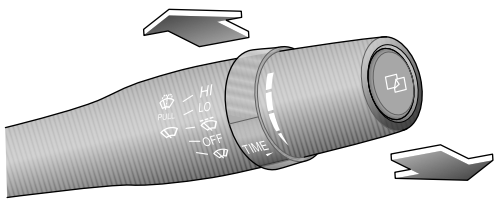
When the lever switch is in (intermittent) position, rotate the switch to vary the delay between wipes.

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

Washers

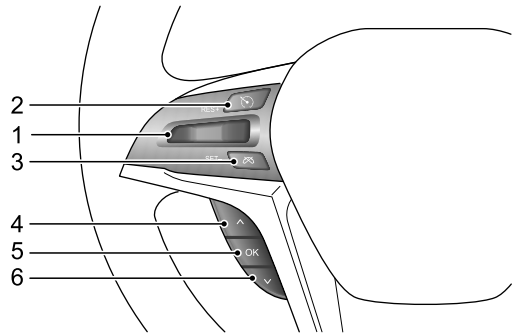
Pull the lever switch towards the steering wheel. The washer will operate immediately. After a short interval, the wiper will operate with the washer. The washer will be off when the lever switch is released.

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



Instrument cluster selection and cruise switch

Type 1



Position 1 -  : cruise speed setting switch.

- RES+: cruise recovery/acceleration switch. If a set speed has been stored, press  upward to resume that speed; press upward again to accelerate (1 km/h per time).
- SET-: cruise setting/deceleration switch. Press  downward to set a speed. Then the cruise control function will be enabled and the "cruise control indicator" in the instrument cluster will turn green from white. If the cruise function is operating, press  downward to decelerate (1 km/h per time).

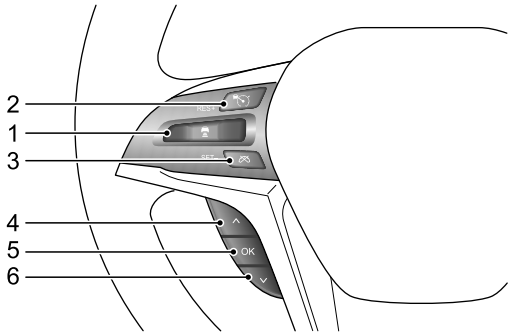
Position 2 - : cruise on/off switch. Press this switch to turn the cruise control system on or off. The "cruise control indicator" in the instrument cluster illuminates or goes out accordingly.

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

Note: See "Cruise control system" in Starting and Driving section for more descriptions about cruise control function.

Position 4, 5, 6 - ^,OK,v: instrument cluster selection switch (applicable to instrument cluster type 2). Press upward or downward to page up or down on the instrument cluster; press OK button to confirm your selection.

Type 2



Position 1 -  : adaptive cruise speed & following distance setting switch.

- RES+: cruise recovery/acceleration switch. If a set speed has been stored, press  upward to resume that speed; press upward again to accelerate (1 km/h per time). The instrument cluster will display the target speed.
- SET-: cruise setting/deceleration switch. Press  downward to set a speed. Then the cruise function will be enabled and the "ACC indicator" in the instrument cluster will turn green from white. If the cruise function is operating, press  downward to decelerate (1 km/h per time). The instrument cluster will display the target speed.
- : to set the following distance, adjust the following distance controlled by ACC, and switch the following distance from Level 1 to Level 3 cyclically.

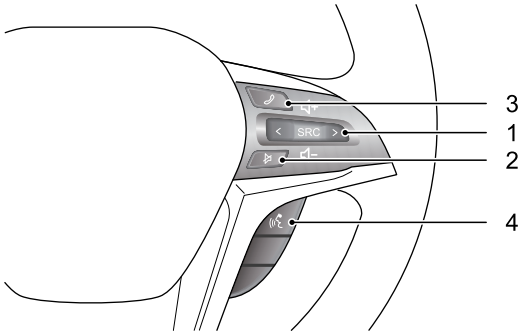
Position 2 - : ACC main switch, which is pressed to turn the system on or off.

Position 3 - : ACC deactivation switch, which is pressed to deactivate the adaptive cruise control without clearing the set cruise speed.

Note: See "Driver assistance system" in Starting and Driving section for more descriptions about adaptive cruise control function.

Position 4, 5, 6 - ^,OK,v: instrument cluster selection switch (applicable to instrument cluster type 2). Press upward or downward to page up or down on the instrument cluster; press OK button to confirm your selection.

Voice control, bluetooth phone switch



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.

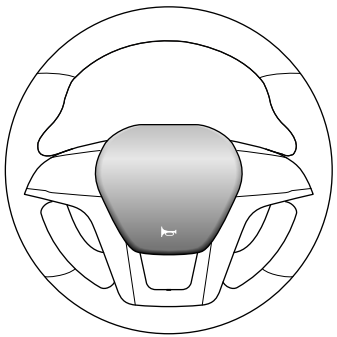
Position 2 - : mute switch.

Position 3 - : Bluetooth phone switch. This switch is a phone call answer with bluetooth switch when Bluetooth is connected. In the general calling state: in case of an incoming call, short press this button to answer; long press this button to hang up; during a call, short press this button to hang up. In the call waiting state: short press this button to hung up the call waiting; long press this button to answer the call waiting.

Position 4 - : speech dialogue system switch. Press this switch to enable the speech recognition function; press again to disable the function.

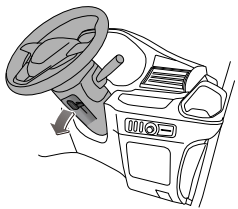
Horn

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



Steering wheel adjustment

Do not adjust the steering wheel position during driving. This is extremely dangerous.



Adjust the steering wheel position to adapt to your driving posture through the following steps:

1 Fully release the steering wheel adjusting handle on the steering column downwards;

2 Grasp the steering wheel firmly with both hands, and move the steering wheel upwards or downwards to adjust it to a proper position;

Note: If it is still difficult to move the steering wheel to a proper position, place the ignition switch in ON position to unlock the steering wheel, and turn the steering wheel to the straight forward position.

3 Select a proper driving position, and pull the steering wheel adjusting handle fully up to lock the steering wheel into its new position.

Heating, ventilation and air conditioning (HVAC)

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

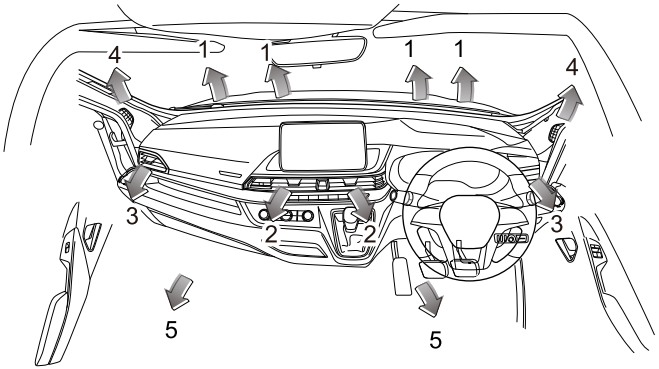
The heating system utilizes the heat generated by the engine, so it can heat the air in the vehicle sufficiently only when the engine gets to the normal operating temperature.

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

The front/rear A/C blower speed selection button is used to control the blower speed.

HVAC is used to control the interior air cooling, heating and ventilation. Fresh air enters the vehicle through the air inlet grille under the windshield and flowing through the A/C filter. Always keep the air inlet grille clean and free of obstructions such as leaves, snow or ice.

Front ventilation



1 Windshield vents

2 Central vents

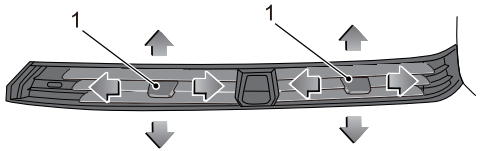
3 Side vents

4 Front door window vents

5 Front footwell vents

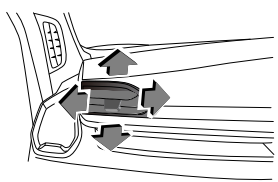
Central vents

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



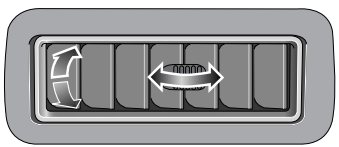
Side vents

The direction of air flow can be changed by moving the control lever in the center of the grille upward, downward, leftward and rightward.



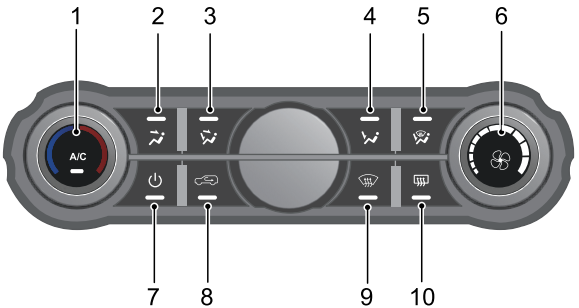
Rear ventilation

The direction of air flow can be regulated by rotating the thumb wheel back and forth or left and right. The number and location of the roof vents shall be subject to the actual configuration of the vehicle you purchased.

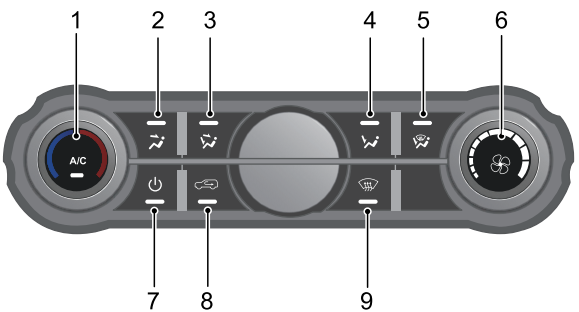


Manual front A/C control panel

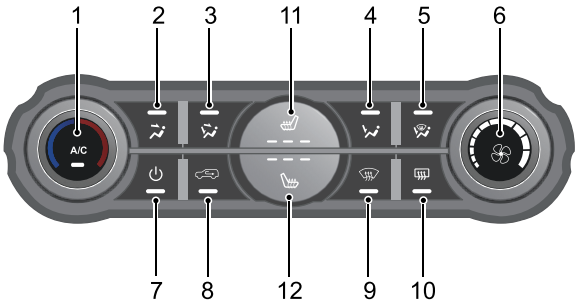
Type 1



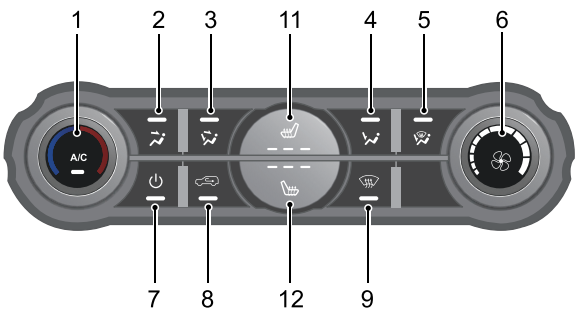
Type 2



Type 3



Type 4



1 Temperature control knob and A/C button
2 Face mode button
3 Face and Footwell mode button
4 Footwell mode button
5 Footwell and Defrost mode button
6 Blower speed control knob
7 Power button
8 Internal/external circulation button
9 Front defroster button
10 Rear defroster button
11 Left seat heating button
12 Right seat heating button

Temperature control knob and A/C button

To heat or cool the air in the vehicle.

Turn left/counterclockwise for cooling; the more turns, the lower the temperature. Turn right/clockwise for heating; the more turns, the higher the temperature.

Pressing the A/C button turns on the front compressor; the front A/C enters the cooling, defrosting/dehumidifying state.

Face mode button

Directs air to the face. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Face and Footwell mode button

Directs air to the face and footwell. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Footwell mode button

Directs air to the footwell. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Footwell and Defrost mode button

Directs air to the footwell and windshield. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Blower speed control knob

To control the blower speed. Turn right/clockwise to increase; turn left/counterclockwise to decrease.

Power button

To turn on/off the A/C panel.

Internal/external circulation button

To switch between internal and external circulation through the button. When the corresponding indicator is on, it indicates that it is in the internal circulation mode. When the button is pressed again, the corresponding indicator is off, indicating that it is in the external circulation mode.

Front defroster button

To turn on the front defroster.

When the front defrost button is pressed, the corresponding indicator illuminates, and the A/C indicator illuminates and the system is switched to external circulation mode, the air distribution mode is in Distribution to Window status.

Rear defroster button

To turn on the rear defroster.

When the rear defroster button is pressed, the corresponding indicator illuminates and the rear window is heated for defrosting.

For vehicles equipped with heated exterior rearview mirrors, the function of heated exterior rearview mirror automatically turns on when the rear defroster is activated, helping remove fog or frost from the surface of the rearview mirror.

Note: Turning this function on/off will not affect other A/C states. The rear defroster automatically turns off after operating for 15 minutes, and the corresponding indicator also goes out.

Left seat heating button

The left seat heating button has three levels. Operate the seat heating button repeatedly, and the levels will cycle in the sequence of 3-2-1-Off. When the vehicle is not started, i.e., the engine is not started, the seat heating function is not available.

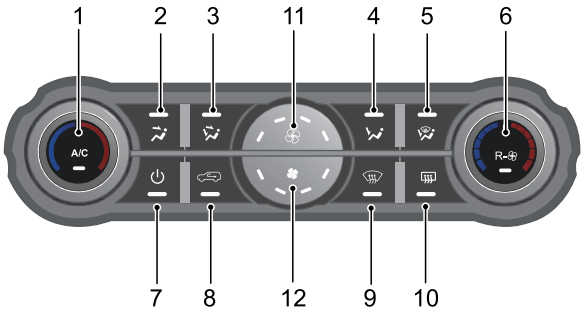
Right seat heating button

The right seat heating button has three levels. Operate the seat heating button repeatedly, and the levels will cycle in the sequence of 3-2-1-Off. When the vehicle is not started, i.e., the engine is not started, the seat heating function is not available.

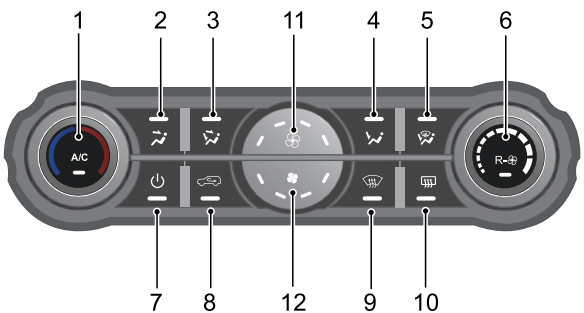
Manual front/rear A/C control panel

Single-compressor front/rear A/C control panel

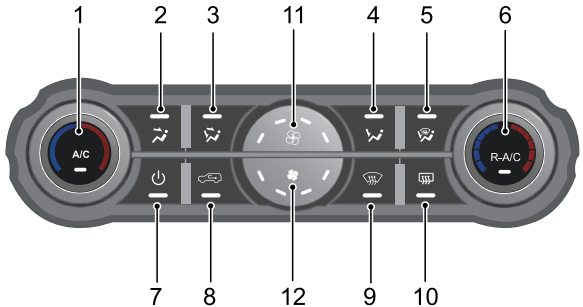
Type 1



Type 2



Dual-compressor front/rear A/C control panel



1 Temperature control knob and A/C button

2 Face mode button

3 Face and Footwell mode button

4 Footwell mode button

5 Footwell and Defrost mode button

6 Rear A/C blower speed control knob (single-compressor front/rear A/C control panel type 1), rear A/C blower speed control knob (single-compressor front/rear A/C control panel type 2), rear A/C blower speed control knob and rear A/C button (dual-compressor front/rear A/C control panel)

7 Power button

8 Internal/external circulation button

9 Front defroster button

10 Rear defroster button (if configured with this feature)

11 Front A/C blower speed increase button

12 Front A/C blower speed decrease button

Temperature control knob and A/C button

To heat or cool the air in the vehicle.

Turn left/counterclockwise for cooling; the more turns, the lower the temperature. Turn right/clockwise for heating; the more turns, the higher the temperature.

Pressing the A/C button turns on the front compressor; the front A/C enters the cooling, defrosting/dehumidifying state.

Face mode button

Directs air to the face. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Face and Footwell mode button

Directs air to the face and footwell. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Footwell mode button

Directs air to the footwell. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Footwell and Defrost mode button

Directs air to the footwell and windshield. When the button is pressed, the corresponding indicator illuminates and the air distribution mode is selected.

Rear A/C blower speed control knob (single-compressor front/rear A/C control panel type 1)

To control the rear A/C blower speed. Turn left/counterclockwise to regulate cool air; the more turns, the higher the blower speed. Turn right/clockwise to regulate warm air; the more turns, the higher the blower speed.

Rear A/C blower speed control knob (single-compressor front/rear A/C control panel type 2)

To control the rear A/C blower speed for cooling. The blower speed is 0 when it is turned to the leftmost position, and the blower speed will gradually increase when it is turned to the right/clockwise.

Rear A/C blower speed control knob (dual-compressor front/rear A/C control panel)

To control the rear A/C blower speed. Turn left/counterclockwise to regulate cool air; the more turns, the higher the blower speed. Turn right/clockwise to regulate warm air; the more turns, the higher the blower speed.

Pressing the R-A/C button turns on the rear compressor; the rear A/C enters the cooling, defrosting/dehumidifying state.

Power button

To turn on/off the A/C panel.

Internal/external circulation button

To switch between internal and external circulation through the button. When the corresponding indicator is on, it indicates that it is in the internal circulation mode. When the button is pressed again, the corresponding indicator is off, indicating that it is in the external circulation mode.

Front defroster button

To turn on the front defroster.

When the front defrost button is pressed, the corresponding indicator illuminates, and the A/C indicator illuminates and the system is switched to external circulation mode, meanwhile the air volume is at maximum level, and the air distribution mode is in Distribution to Window status.

Rear defroster button

To turn on the rear defroster.

When the rear defroster button is pressed, the corresponding indicator illuminates and the rear window is heated for defrosting.

For vehicles equipped with heated exterior rearview mirrors, the function of heated exterior rearview mirror automatically turns on when the rear defroster is activated, helping remove fog or frost from the surface of the rearview mirror.

Note: Turning this function on/off will not affect other A/C states. The rear defroster automatically turns off after operating for 15 minutes, and the corresponding indicator also goes out.

Front A/C blower speed increase button

Press the front A/C blower speed increase button to increase the front A/C blower speed.

Front A/C blower speed decrease button

Press the front A/C blower speed decrease button to decrease the front A/C blower speed.

Air conditioning operating tips

- If the vehicle has been parked in direct sunlight, open the windows before operating.
- To clear misted windows on rainy days, operate the defrost button, which can decrease the humidity inside the vehicle timely and effectively. This is most effective during rainy weather and high humidity.
- Insufficient cooling may occur when driving in urban stop-and-go conditions.

Note: If the air conditioning will not be in use for more than one month, run the vehicle at idle speed and turn on the system for more than 10 minutes (once every month, including in winter). This aims to maintain the proper lubrication of the compressor and the seals, so as to extend the service life of the system.

Note: Condensation may be formed on the evaporator when the A/C is operating. So you may find a small pool of water under the vehicle after the vehicle is stopped.

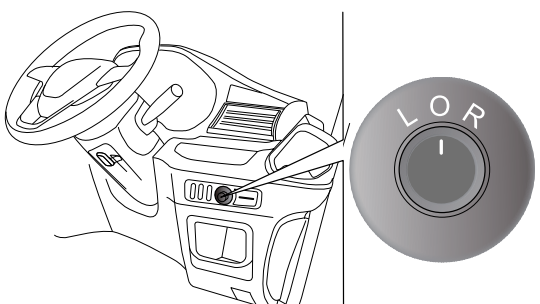
Rearview mirrors

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

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

Exterior rearview mirrors - power adjustment

Turn the switch to L (left) or R (right) to select the rearview mirror to be adjusted. Move the rearview mirror switch towards front/rear/left/right to adjust the rearview mirror lens to tilt towards up/down/left/right to the position required. Turn the switch to the center.

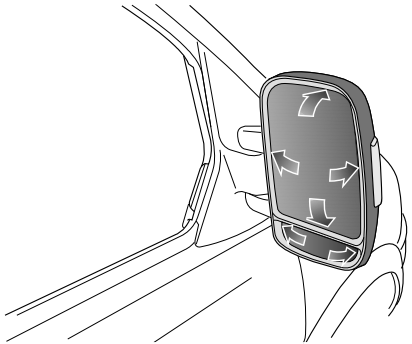


Heated rearview mirrors

For the vehicles equipped with heated exterior rearview mirrors, press the rear Defrost button on the A/C control panel to heat the exterior rearview mirrors.

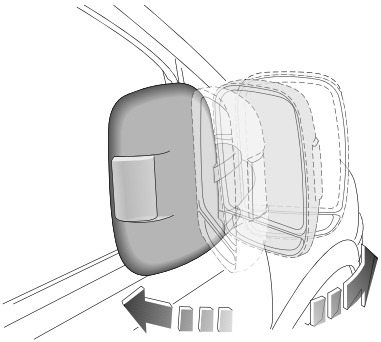
Exterior rearview mirrors - manual adjustment

Use hands to move the mirror directly to the desired angle as required.



Foldable rearview mirrors

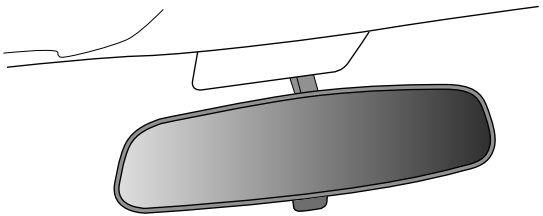
In order to ensure the safety of pedestrians, exterior rearview mirrors will rotate from their normal mounting positions towards both sides if impacted with a strong force. They can be returned by applying a small amount of force on the rearview mirror frame.



Interior rearview mirrors

Adjust the rearview mirror to give the desired rearward view.

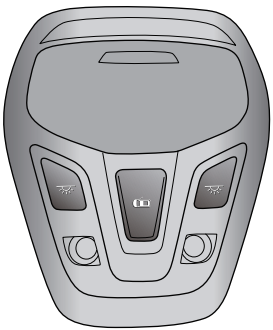
Operate the lever at the bottom of the rearview mirror to reduce reflected glare during night driving.



Interior equipment

Roof vanity light

Front roof vanity light



Press the left switch to turn on the left front roof vanity light; press the right switch to turn on the right front roof vanity light.

Press the left switch (switch reset state) again, the left front roof vanity light is in Door Control ON state; press the right switch (switch reset state), the right front roof vanity light is in Door Control ON state.

Press the middle switch to turn on the rear roof vanity light.

Press the middle switch (switch reset state) again, the rear roof vanity light is in Door Control ON state.

Door control ON

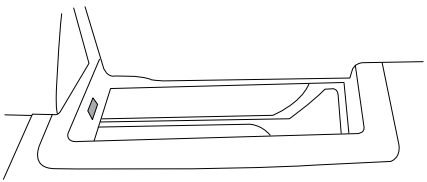
If the roof vanity light is in Door Control ON state, the roof vanity light will illuminate when any door is opened. The roof vanity light will go out automatically after approx. 30 seconds the door is closed.

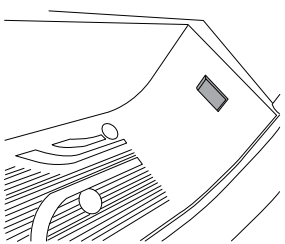
Note: The roof vanity light will go out automatically after approx. 15 minutes any door is opened to avoid battery lack of power.

Stepwell light

The stepwell light will illuminate when any of driver door, front occupant door or side load door is opened. The stepwell light will go out automatically after approx. 30 seconds the door is closed.

Note: The stepwell light will go out automatically after approx. 15 minutes if any of driver door, front occupant door or side load door is opened to avoid battery lack of power.



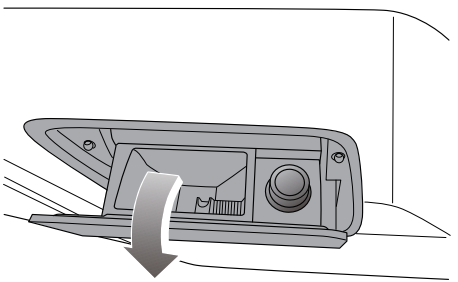


Ashtray

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

The ashtray is located beneath the A/C control panel of the instrument cluster. Open the ashtray by opening its cover.

To empty the ashtray, hold one side of ashtray to remove it.



Cigarette lighter

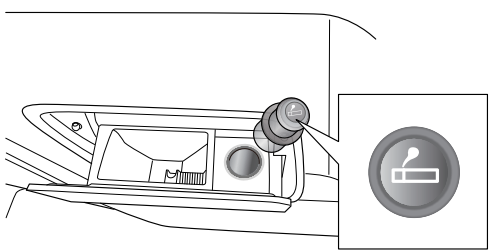
Never hold the lighter as this will result in damage.

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.

The lighter is located in the ashtray which is beneath the A/C control panel of the instrument cluster. 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.

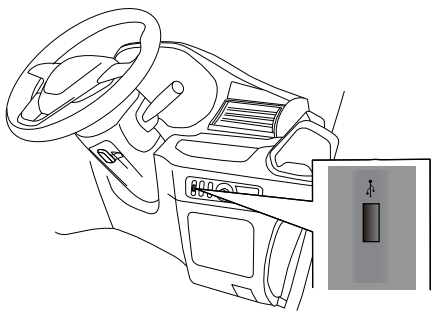


USB ports

The USB ports are located in the instrument cluster at the driver side, which support the audio/video playback, picture browsing, charging and CarPlay feature.

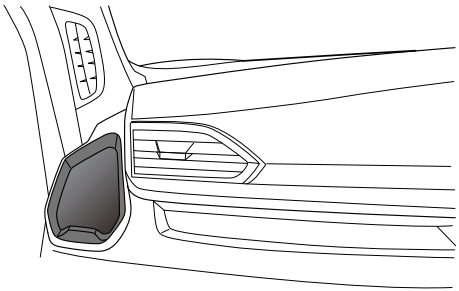
Note: Functions supported by the USB port may vary with the configuration of on-board entertainment system, please refer to the actual functional configuration of the vehicle.

USB ports in instrument cluster at driver side



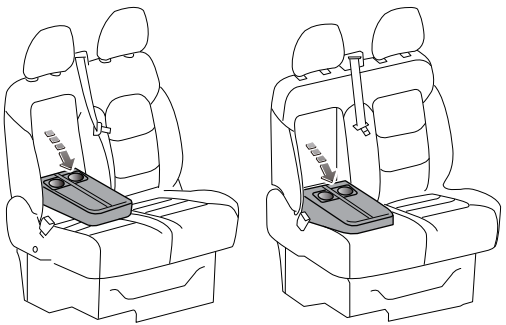
Cup holder

Cup holders at both sides of instrument cluster



Cup holder at front occupant dual seat armrest

Note: It is applicable to the integral front occupant dual seat and the fixed front occupant dual seat.

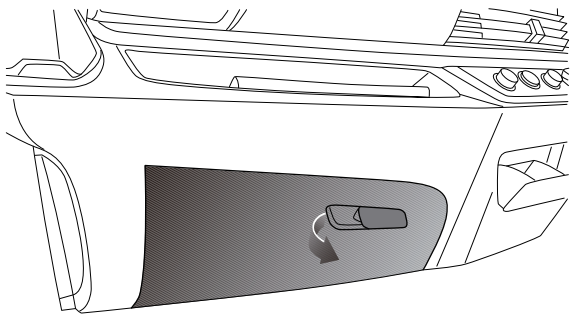


Glove box

Do not stow sharp, heavy or dangerous objects in the glove box at 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.

Pull back the button at the upper left of the glove box to open the glove box. Close it with a firm push.

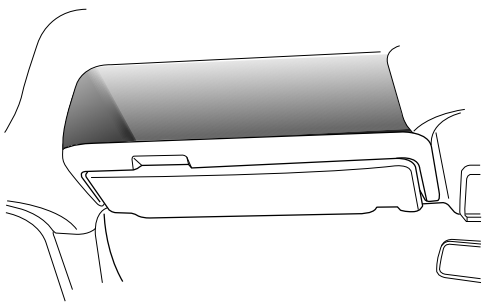


Overhead stowage

The overhead stowage bin is used to store papers or other light objects only. Do not put sharp, heavy or dangerous objects in the overhead stowage bins. They could become dislodged and fall on the driver or occupants and cause injury.

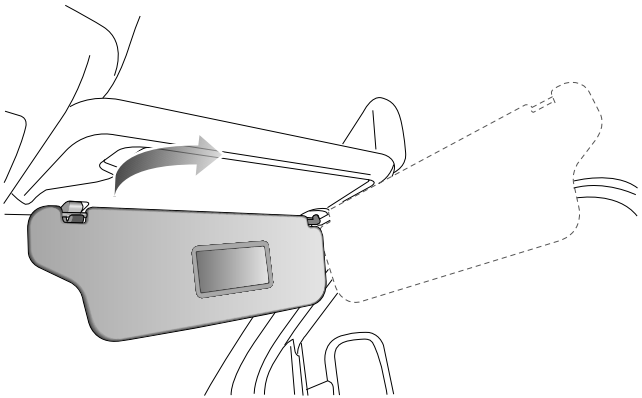
For middle and high roof vehicles, two open overhead bins are provided for the stowage of light items.

Note: For low roof vehicles, this feature is not equipped.



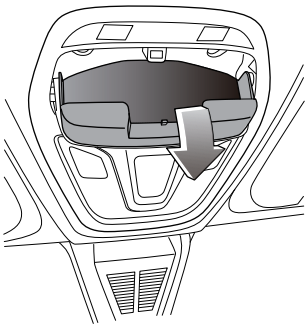
Sun visors

Both sun visors can be swung up and down to provide a shield through the windshield. In addition they can be pivoted as illustrated to shield through the side windows.



Glasses box

The glasses box is located behind the front roof vanity light, which is used to hold glasses.



Fire extinguisher

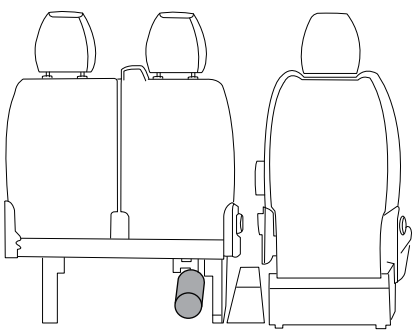
Note: It is applicable to the vehicle equipped with the fire extinguisher.

Once activated, the fire extinguisher should be replaced even if there are not many jets.

The dry powder fire extinguisher is placed on the floor next to the driver seat.

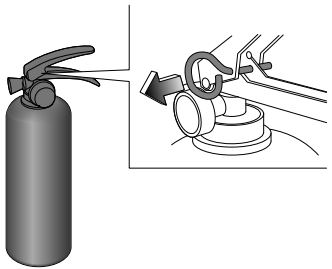
If the front occupant seat is a single seat or there is no seat, the fire extinguisher should be mounted at the edge of the driver seat.

If the front occupant seat is a dual seat, the fire extinguisher should be mounted under the dual seat.

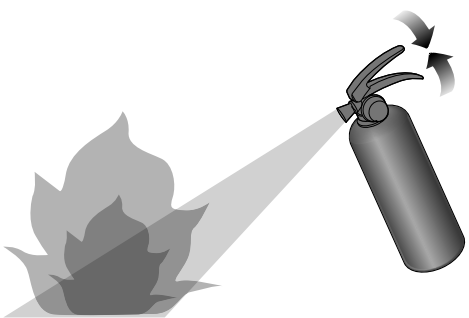


How to use a portable fire extinguisher

1 Pull the safety pin out.



2 Aim at the base of the fire and squeeze the lever simultaneously to spray powder to put out the fire.



When used outdoors, you should discharge the extinguisher in the wind direction. Intermittent discharging is also acceptable. To extinguish the flammable liquids, do not aim at the surface of liquid directly so as to prevent splashing of flammable liquids due to impact force from intensifying the fire condition, making the firefighting work even more difficult. To extinguish the ordinary solid materials, aim at the most intensely burning position and sweep the hose up and down, left and right. When conditions permit, you can discharge the extinguisher as you walk around the burning objects, so that the dry powder fire extinguishing agent can be sprayed evenly on the surface of burning object to put out the fire thoroughly. To extinguish the energized equipment (not the high voltage energized equipment), cut off the power first. The user of fire extinguisher shall pay more attention to avoid contacting the energized equipment so as to protect themselves from electric shock. Extinguish the fire thoroughly to avoid it flaring up again.

Inspection and maintenance for fire extinguisher

The user should inspect the fire extinguisher upon his/her receiving the vehicle and inspect at an interval of a quarter after then. In poor environment, the fire extinguisher should be checked more frequently. The contents to be inspected are as follows:

1 The pointer of pressure indicator of fire extinguisher should point to the green zone;

2 The safety pin and seal should be intact;

3 The barrel should be free of corrosion or deformation and all the parts free of deformation and damage.

Note: Non-professional personnel shall not remove the fire extinguisher without any permission so as to avoid accidents.

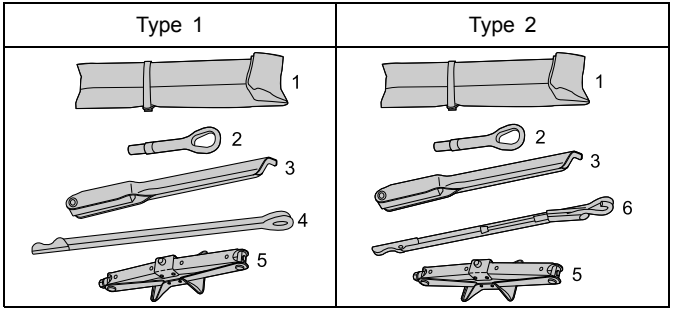
Caution
• Each fire extinguisher shall be inspected annually as of the manufacture date of the vehicle; fire extinguishing agents shall be replaced every two years and the fire extinguisher every 10 years. • The annual inspection or after-use repair must be performed by an enterprise approved by Fire Department and having relevant qualifications to test, repair and annually inspect fire equipment. • If the vehicle is sold, its owner is obliged to notify the purchaser of the cautions listed.

Vehicle tools

Note: The type and location of vehicle tools shall be subject to the actual configuration of the vehicle you purchased.

Single-tire models

The tools are placed in the storage box at the right front stepwell of the vehicle.



1 Driver tool package

2 Front towing hitch

3 Wheel nut wrench

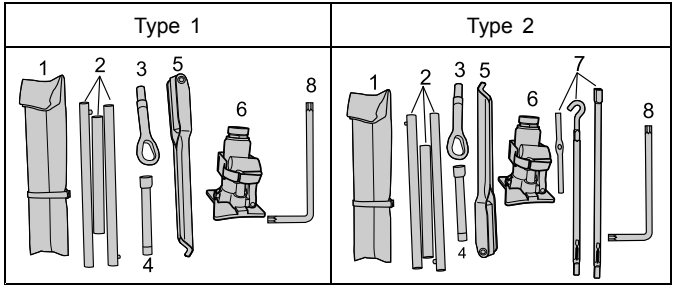
4 Auxiliary rotary post of jack

5 Jack

6 Removal of spare tire/auxiliary rotary post of jack

Dual-tire models

The tools are placed in the storage box at the right front stepwell of the vehicle, in which the jack is placed under the front occupant seat.



1 Driver tool package

2 Auxiliary rotary post of jack

3 Front towing hitch

4 Extension rod of wheel nut wrench

5 Wheel nut wrench

6 Jack

7 Removal of spare tire/auxiliary rotary post

8 L-type wrench

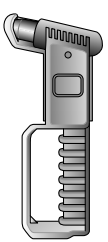
Alarm/safety hammer

The alarm/safety hammers (if equipped) are located on the two sides or the rear roof, and the number, type and location of the hammer shall be subject to the actual configuration of the vehicle you purchased. When using the alarm/safety hammer, it emits an acoustic alarm. The alarm/safety hammer is equipped for models with ten or above seats.

Note: When using the car for the first time, the plastic insert at the battery of the safety hammer should be pulled out before the alarm function can be activated.

When using the safety hammer in an emergency, knock the four corners and edges of the window glass with the hammer; once the glass cracks, give more knocks to remove the broken glass.

Note: The window adopts tempered glass, the middle part is the most solid part, and the corner and edges are the weakest part. Therefore, please knock the corner and edges of the window glass with the safety hammer.



Replace the battery of alarm/safety hammer

Batteries may present the risk of fire, explosion and burning. Never charge the battery. Properly dispose of the used battery. Keep the battery out of reach of children.

To renew the battery, following procedures must be observed:

1 Remove the body of the alarm/safety hammer.

2 Release 4 retaining screws on the back of the hammer body to separate it.

Caution
Never pry out the circuit board.

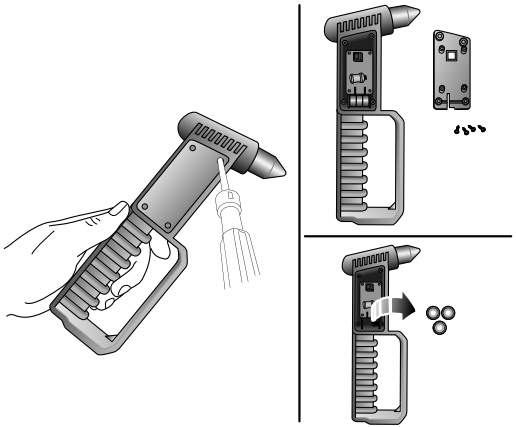
3 Remove 3 used batteries and install 3 new ones.

Note: An LR44 battery is recommended for use, normally, the battery on the circuit board shall be replaced once a year.

Caution
Pay attention to the positive and negative of battery.

4 Connect the body of hammer and secure with 4 screws.

5 Place the body of alarm/safety hammer into the mounting seat.



Power side stepwell

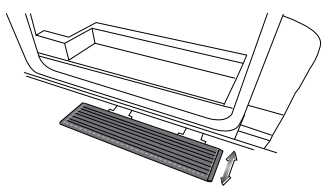
Note: The type and position of power side stepwell shall be subject to the actual configuration of the vehicle you purchased.

With the driver door unlocked, the power side stepwell at the side load door will be extended or retracted automatically when the side load door is opened or closed.

With the driver door unlocked, the power side stepwell at the front occupant side will be extended or retracted automatically when the front occupant door is opened or closed.

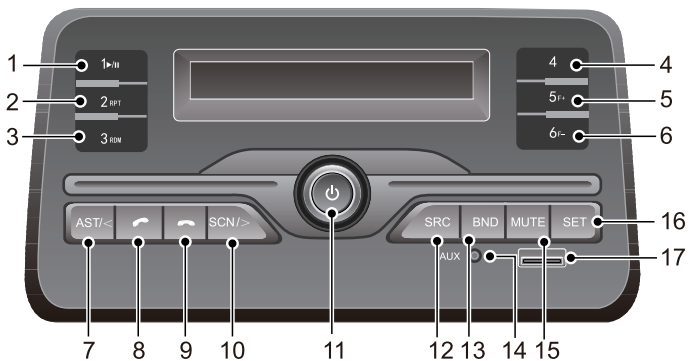
The power side stepwell will be retracted automatically when the driver door is closed and locked.

Note: The power side stepwell can work normally only when the central control door lock is unlocked and the vehicle speed is less than 3 km/h. When the power side stepwell is extended and retracted, if it encounters an obstacle, the anti-pich function will be triggered, after that the stepwell will be automatically extended or retracted, and this action stops after repeating up to three times.



MP3+Radio

Description of panel functions



1 Preset Button 1/Pause Button
2 Preset Button 2/Repeat Button
3 Preset Button 3/Random Button
4 Preset Button 4
5 Preset Button 5/Next Directory(USB mode)
6 Preset Button 6/Previous Directory(USB mode)
7 USB mode:Select previous track(short press)
USB mode:Track selection function(long press)
Radio mode:Search radio stations at lower frequency(short press)
Radio mode:Automatic station storage(long press)
Bluetooth playback mode:Switch to the previous track(short press)
8 Answer the incoming bluetooth call(short press)
Redial the last number called(long press)
9 Hang up the incoming bluetooth call(short press)
Switch off bluetooth display(long press)
10 USB mode:Select the next track(short press)
USB mode:Browse the playlist(long press)
Radio mode:Search radio stations at higher frequency(short press)
Radio mode:Browse the stations automatically(long press)
Bluetooth playback mode:Switch to the next track(short press)
11 PWR/VOL:Short press to turn the unit on/off Volume Knob
(rotate left to decrease;rotate right to increase)
12 Audio Source Selection(TUNER->AUX->Bluetooth Music->USB
->TUNER)
13 Radio Band Selection
14 Audio Input Interface
15 Short press to switch between MUTE ON(turn on the sound of unit)
and MUTE OFF(turn off the sound of unit)
16 Enter EQ setting(short press)
Enter Country/Region interface(long press)
17 USB port

Audio adjustment

Power On/Off

With the ignition switch in "ACC" or "ON" position, short press the button ⏻ to turn the unit on, and short press the button ⏻ again to turn the unit off.

Clock settings and display

Short press the SET button to adjust among such functions as BASS, TRE, BRL, FRD, EQ. Rotate the PWR/VOL knob to adjust the volume of the sound.

In CLOCK state, short press the SET button, and the Hour or Minute field begins to blink; short press the button to set the time, then the clock begins to run from the set time.

Volume

Rotate the PWR/VOL knob to adjust the volume. For safety reasons, please choose the proper volume to ensure that you can still hear the external traffic signal sound (whistle, police whistle, etc.). The volume output is 0 ~ 30.

Audio/EQ mode adjustment

Short press the SET button to enter the EQ Setting mode, and rotate the PWR/VOL knob to set; after setting, short press the SET button again to enter the next setting mode.

- Enter the EQ mode BASS-TRE to select the preset EQ type. The display will show the selected EQ after the selection, for example JAZZ.
- In BASS Settings, rotate the PWR/VOL knob to adjust the Bass effect; adjusting range: BASS-7, ..., 0, ..., BASS+7.
- In TREBLE Settings, rotate the PWR/VOL knob to adjust the TREBLE effect; adjusting range: TREB-7, ..., 0, ..., TREB+7.
- In BAL Settings, rotate the PWR/VOL knob to adjust the volume balance between left and right speakers; adjusting range: L7,..., 0, ..., R7.
- In FADER Settings, rotate the PWR/VOL knob to adjust the volume control of front and rear speakers; adjusting range: F7, ..., 0, ..., R7.

In the digital adjustment mode, the default value is 0. The display automatically returns to the last operating mode after about 10 seconds.

National system adjustment

Long press the SET button, and the national systems will be shown on the display. Rotate the PWR/VOL knob to select from different national systems, and such systems as AUS, USA, CHINA, THAILAND, AMERICA may be selected according to different national frequencies. When different national systems are selected, the frequency and time will be updated synchronously.

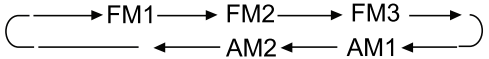
Setting exit logic

Long press the SET button to enter "Country/Region" interface. After the radio reception region is selected, if there is no other button pressed in 9 seconds, the system will automatically confirm and make related settings to enter the normal display mode. If you adjust to other interfaces before the automatic confirmation, this adjustment for the region setting will be invalid (stay the same).

Radio reception

Band

Press the BND button to select the desired band. The band can be switched among FM1, FM2, FM3, AM1 and AM2, and the system will display the selected band.



Automatic station search

Short press the AST/❮ button to tune to stations at lower frequency.

Short press the SCN/❯ button to tune to stations at higher frequency.

Auto Save Station (AST)

You can save 6 FM stations with the strongest signal in FM AST band, or save 6 AM stations with the strongest signal in AM AST band. When using the AST function, the previous stations saved in FM AST band or AM AST band will be overwritten.

Short press the AST to enter the Auto Save Station state. The stations are saved to the preset buttons 1 ~ 6. When there are more than 6 stations, they will be saved to FM2.

The saved stations may be less than 6 when the external radio signal is weak.

Preset stations (1 ~ 6)

Manually save the stations in preset buttons.

6 stations can be saved in each band by using preset buttons (1 ~ 6).

- Tune to the desired station
- Press and hold the desired preset button at least 2 seconds, then the current station can be saved to this preset button.

Recall preset stations

Press the desired preset button (1 ~ 6) to recall the preset stations.

Playing in USB mode

This radio has an external USB port to connect your USB drive or portable media player.

File decoding instructions

- Support the audio files with the suffix of *.mp3, *.MP3 or *.WMA.
- Support 2G, 4G, 8G, 16G, 32G USB storage devices.
- Connect with the USB storage devices that are partitioned in FAT16 and FAT32 file system format.
- Supported sampling frequency range: 8k, 16k, 32k, 11.025k, 22.05k, 44.1k, 12k, 24k, 48kHz.
- Supported bit rate: 8k ~ 320kbp, VBR(MP3 PRO).

Device connection

Insert your USB storage device into the standard USB port of the radio, press the SRC button to select the USB mode, then the display shows the word "USB".

Caution
The radio is to be initialized to search for MP3 files as the USB storage device is just connected; the waiting time is ranging from a few seconds to more than 10 seconds, depending on the capacity of the USB storage device and the sizes of its saved files, so do not remove the USB drive hurriedly during this period.

Play

The display shows the following items during normal playback: EQ mode (if selected), current USB track No., elapsed time.

When all tracks in the previous folder are played, the unit will skip to the first MP3 file in the next folder automatically in order.

Repeat

Press the 2/RPT button when playing to play the current track repeatedly; support single track repeat and folder repeat.

Press the button again to return to the normal playback state.

Random

Press the 3/RDM button when playing to play the tracks in current folder randomly.

Press the button again to return to the normal playback state.

Scan

Short press the SCN button when playing to switch to INT ON state, and the beginning of each track will be played for 10 seconds.

Long press the button again to switch the SCN off, then the normal playback state resumes.

Previous/next track

Short press the AST/❮ or SCN/❯ button to select the previous track or the next track.

Pause

Short press the 1/▶II button when playing to pause; short press again to continue playing.

USB directory selection

Press 5/F+ to enter the next Directory (directory no. increases) in the USB drive for playing.

Press 6/F- to enter the previous Directory (directory no. decreases) in the USB drive for playing.

Caution
• The USB1/USB2 port of this unit supports charging of external devices whose voltage falls in the following range (e.g. mobile phone charging). The charging voltage range is 5+/ ~ 0.5V; the maximum charging current is 500mA; the charging logic is that charging is supported when RADIO is ON and charging is not supported when RADIO is OFF. • If your device cannot be recognized or played incorrectly when inserted into the USB port, please remove and insert your USB device again and ensure that the USB port keeps good contact and is not obstructed by abnormal objects, such as dust.

Bluetooth

The Bluetooth connection between the mobile phone and the system must be completed before operating the system. This connection is based on the pairing connection between the mobile phone and the system. The system will store the mobile phone's ID once the pairing connection is established. When the vehicle is started or the system is turned on, it will connect to the mobile phone automatically. After establishing the connection, you can make calls via the on-board audio system and the microphone.

Caution
• The Bluetooth pairing requires your mobile phone supporting HFP (Hands-Free Profile) Bluetooth application protocol. The establishment of Bluetooth connection varies with the mobile phone manufacturers. Refer to the mobile phone's User Guide for more information. • If your mobile phone is provided with the navigation feature, after the Bluetooth connection is established, the navigation prompt tone for some types of mobile phone can be broadcast via the on-board audio system. This feature needs to be supported by your mobile phone. For the mobile phones that do not support this feature, the navigation prompt tone will be broadcast via the mobile phone. • For some types of mobile phone, the touch tone will be transmitted via Bluetooth when the Bluetooth connection is established. If you do not want to hear the mobile phone's touch tone from the car radio, just turn it off.

Bluetooth connection

Short press the SRC button to switch to the Bluetooth interface, then the display will show the word "PHONE" for 2 seconds. When the word "BT LINK" is displayed, set your phone to the search mode to find out the Bluetooth name of CAR BT xxxxx (the last four or more digits are the serial number of Bluetooth module).

The pairing can be made by clicking the Bluetooth address directly after the Bluetooth module is found. Establish the connection with the mobile phone after the successful pairing. When the Bluetooth connection is established, the radio will display the word "PHONE" for 2.5 seconds, and the Bluetooth module can only be connected to one phone simultaneously.

Answer/reject incoming calls

After the connection is established, when there is an incoming call, the display will show the word "CALL IN" and the incoming call number, accompanied with a ring tone. Short press the Answer button to answer the call; short press the Hand Up button to reject.

Hands-Free/private calls

When the call is connected, the Bluetooth interface box will output the audio to the stereo system in hands-free form and the radio display will show the word "PHONE". Short press the Answer button to switch between the hands-free and private modes.

Hang up

When the call is connected, short pressing the Hand Up button can end the current call.

Last number redial and disconnection

Last number redial

After the connection is established, long pressing the Answer button can redial the last number dialed in the call history.

Disconnection

After the connection is established, long pressing the Hand Up button can disconnect the connection between the current phone and the on-board Bluetooth. When the connection is disconnected, the display will show the word "PHONE" for 1 second and the Bluetooth icon will be hidden.

Auto reconnection

The connection will be interrupted if the distance between the phone and the vehicle exceeds the distance limit; when the phone gets back to the connection range, the phone will be reconnected with the external Bluetooth module automatically. When the external Bluetooth module is powered on, it will reconnect with the last connected phone automatically.

"Answer" button

Under this situation...	Short press the Answer button...
External calls	Answer incoming calls
In-call(Hands-free mode)	Enter the private mode
In-call(Private mode)	Enter the hands-free mode

Under this situation...	Long press the Answer button...
Standby(not pairing)	Bluetooth module enters the visible mode
Standby(connection completed)	Dial the last dialed number in the call history

"Hand Up" button

Under this situation...	Short press the Hang Up button...
External calls	Reject the call
In-call(Hands-free/Private mode)	Hang up

Under this situation...	Long press the Hang Up button...
Standby(connected)	Disconnect Bluetooth connection

Note: In the Bluetooth interface, long press the "Hand Up" button to turn off the Bluetooth. When the Bluetooth icon disappears, the word "PHONE" will appear for 3 seconds, then "BTLINK" will be displayed for 4 seconds, and then the unit time will be displayed. Long pressing the "Answer" button to turn on the Bluetooth, you will see the Bluetooth icon/PHONE appear synchronously, the word "PHONE" blink for 3 seconds, then "BTLNK" displayed for 4 seconds. The phone connected with the Bluetooth before it is turned off will be connected with the Bluetooth between 3-10 seconds.

AUX IN interface

The unit reserves a standard audio interface of 3.5mm in diameter; you can connect the audio player with a corresponding audio adapter. When the audio device is connected, press SRC button to select AUX IN mode. In AUX IN mode, you can adjust the music volume with the volume knob.

Reversing beeper volume

When reversing, the entertainment system sound sources will be reduced, and the volume of the sources will be resumed after reversing.

For vehicles with automatic transmission, if the shift lever is in "R" position, the volume of all sound sources will be reduced; if it is shifted out of "R" position, the volume will be resumed.

General troubleshooting

If you find some features of the car audio are inoperative, please read the operation instructions in this Handbook carefully before sending it for maintenance, and then carry out inspections according to the following table, which contributes to the troubleshooting.

Symptoms	Possible Causes and Solutions
General Conditions	
The unit is inoperative and not displaying	The fuse of unit power supply or vehicle is blown; please ask our Service Dealer to replace it with the fuse of correct type.
The unit is operative, but with no sound or little sound	Volume up; Check the speaker's BAL and FADER settings
The unit body is a little hot	It is normal when the unit is operating.
Radio Reception	
Poor radio reception	The antenna amplifier in the vehicle may be damaged; please ask our Service Dealer to check it. The signal of the desired station is too weak; please tune it manually.
USB Device Playback	
Some audio files cannot be played	Please confirm that it is an MP3/WMA file; this unit does not support audio files in formats other than MP3/WMA.
The volume rises and falls when playing MP3 tracks	The sources of MP3 tracks are extensive and have no unified standard, so the inconsistent volume may be set during the compression of MP3 tracks; please adjust the volume knob by yourself.

Symptoms	Possible Causes and Solutions
Artist/Track/Title cannot be displayed	This unit does not support the ID3 information display.
The music pauses intermittently during playback	This may be caused by the different compression formats.
Unable to read the tracks in the external hard drive	Confirm that the hard drive has only one partition, as this unit does not support the multiple disk partitions. If two or more disk partitions have been set, such as E and F disks, or more disk partitions, this unit will be unable to read MP3 tracks in these disks. If you want to use it, please combine all disk partitions into one on your computer.
Unable to read the tracks in the storage device	Confirm that this storage device is partitioned in FAT16 or FAT32 format when inquiring on the computer, if not, please reset to the standard required by this unit on the computer.
Unable to read MP3 tracks through USB hub	This unit only supports the adapter with one USB port.
Violent tone/noise	This may be caused by the device used to record the original MP3 files and the noise; please confirm if it is this unit's problem with another player.

Caution
If the fault still exists, take your vehicle to our Service Dealer for repair. Do not disassemble the car audio for repair without authorization.

MP5+Radio

Precautions before use

The contents of this Handbook are simple instructions for the operation of the product. Please read carefully and fully understand the operating instructions accompanied with the entertainment system head unit before you use this product.

Please do not install or repair your product without authorization. If the product is installed or repaired by a person who does not receive the training on electronic equipment and auto parts, a dangerous situation may be posed. Never expose the product to any liquid, otherwise short circuit or damage may be caused.

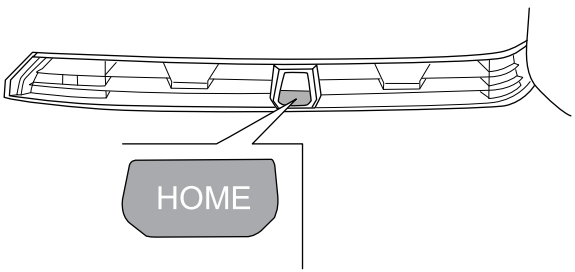
According to the relevant national regulations, watching videos and related operations are prohibited when driving, for the personal safety of yourself and others. Please do not watch the screen and perform related operations when driving a vehicle.

Please pay attention to all precautions mentioned in this section of the Handbook and strictly follow the operating instructions.

The rear view camera function of the system just serves as a driving assist. Please pay attention to the actual situation.

Caution
• The product shall be kept away from moisture. • If the product is started for the first time or reconnected after the disconnection of vehicle power supply, the date shown on each interface of the head unit needs to be adjusted manually. • Be sure to drive safely. Make sure to follow the rules of safe driving and existing traffic regulations. • Do not operate the product (and the rear view camera function) if it may distract you from safe driving. • If you have to operate by watching the screen, park the vehicle in a safe place and apply the parking brake. • Do not set the volume of the product too high, or you will not be able to hear the traffic and emergency signals outside. • For the sake of safety, some features, such as video playback, will be disabled when driving. • The system can detect the running speed of the vehicle. When the speed exceeds a certain value, the system will prevent you from watching video while driving. If you want to watch the video, park the vehicle in a safe place and apply the parking brake. • To prevent the battery from running out, make sure to start the vehicle when using the system. • The pictures in this Handbook are schematic diagrams which may be slightly different from the real car in details and are for reference only. As for the specific colors and functions of the interface, please refer to the real car.

Entertainment system control switch



1 Display PWR

Long press for less than 10 seconds to turn off the entertainment system display; long press for 10 seconds to restart the entertainment system.

2 Return

Press the switch to return to the main interface functions.

Introduction and operation of main interface functions

Type 1

Status bar

1 Time display

Display the current time.

2 Volume display

Display the current volume.

3 Device connection status display

Display the connection status of the USB, Bluetooth, etc. When they are connected, the corresponding icons will be highlighted. If they are not connected, the corresponding icons will not be displayed.

4 Current playback information

Display the current player and playback information.

Application center

Tap the Application Center icon in the Dock bar at the left-most of the display to enter the application center. Relevant operations are illustrated below:

1 Music Mode Icon

Tap the Music Mode icon to enter the music mode interface.

2 Radio Mode Icon

Tap the Radio Mode icon to enter the ratio mode interface.

3 Vehicle Settings Icon

Tap the Vehicle Settings icon to enter the vehicle settings interface.

4 Communication Mode Icon

Tap the Communication Mode icon to enter the communication mode interface.

5 USB Video Mode Icon

Tap the USB Video Mode icon to enter the USB video play mode interface.

6 CarPlay Mode Icon

Tap the CarPlay Mode icon to enter the CarPlay mode interface.

7 USB Picture Mode Icon

Tap the USB Picture Mode icon to enter the USB picture mode interface.

8 System Settings Mode Icon

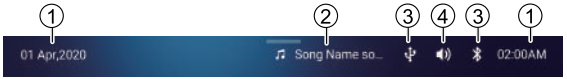
Tap the System Settings Mode icon to enter the system settings mode interface.

9 System Guide Mode Icon

Tap the System Guide Mode icon to enter the system guide mode interface so as to access the operating instructions accompanied with the unit.

Type 2

Status bar



1 Time display

2 Current playback display

3 Bluetooth/USB connection display

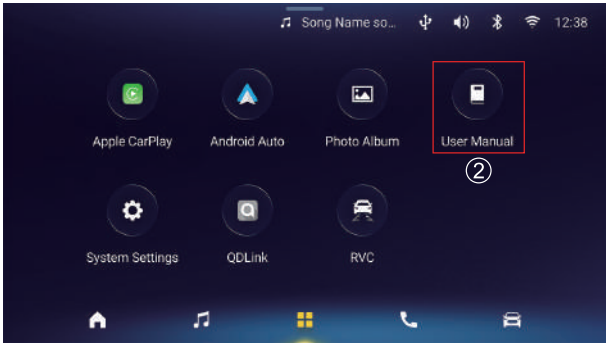
4 Volume display

Application center

For the related guide, we prepare for a user manual on the homepage of the screen. Please click and see.

1 Click the central icon on the bottom.

2 Click the User Manual.



Starting and Driving

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 that the seat is in the right position.
- Check that the adjustment of all the rearview mirrors is in place.
- Check that all lights, signal systems and warning indicators operate normally.
- Check that all occupants have correctly fastened seat belts.

Move the ignition switch in "ON" position, and check all warning lamps and gauges operate normally. (Please see "Warning lights and indicators" in the Before You Drive section).

Caution
Be sure you have read the "Before You Drive" section of this Handbook and a good understanding of your vehicle and its equipment before reading this section.

Ignition switch

Key start

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: If your vehicle is equipped with engine immobilizer system, please see "Engine immobilizer" in this section.

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, the ignition switch shall lock the steering column to avoid turning the steering wheel.

ACC: Steering column is unlocked, and individual electric appliances and accessories can operate, such as the radio and cigarette lighter.

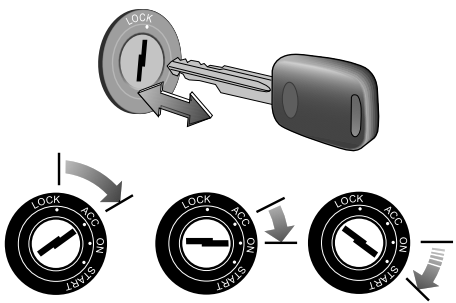
Note: You may need to slightly rotate the steering wheel to unlock the steering lock.

Note: Do not leave the key in ACC position for a long time, so as to prevent unnecessary battery power loss.

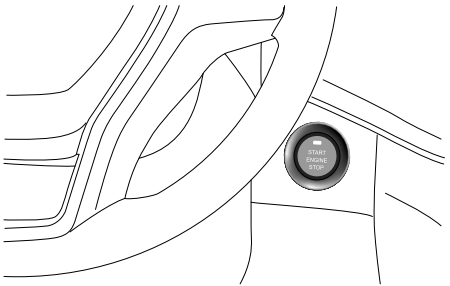
ON: The ignition is switched on and instruments, controls and electrical circuits become operative.

Note: When the engine is not running, do not leave the key in ON position.

START: The starter motor runs and engine is started. After the engine is started, release the key immediately, and the key will automatically return to ON position from START position.



Keyless start



Note: The vehicle is equipped with an one touch start switch, that is, the Start Stop button. To start the vehicle, the remote key with PEPS feature must be in the vehicle. For an AT model, if you want to move the shift lever out of P position, you must depress the brake pedal with the ignition switch placed in ON position.

ACC - red light

- Start Failure

  In case of an engine start failure, the ignition switch will switch to ACC (neutral gear) or OFF (park gear).
- Abnormal parking

  When the engine is running and the shift lever is not in P position (for 6AT model), press this button and the ignition switch will switch to ACC.
- Emergency flameout

When the vehicle speed is higher than 5km/h during driving, press the ignition switch for 3 times continuously or long press it for 3s, the ignition switch will switch to ACC.

Note: A red light flashing three times continuously indicates that no valid physical key/bluetooth key has been detected in the vehicle.

ON - green light

When the engine shuts down and the starting conditions are not met, press this switch once, the ignition switch will switch to ON; after the engine is normally started, the ignition switch will switch to ON; when in ON state, all instruments, control devices and circuits can operate.

Note: If the ignition switch is still placed in ACC or ON position after engine shutdown, the battery power will be drained. The vehicle may be unable to start if the battery power drain time is too long.

START - green light

This position is used for starting the vehicle. When the engine shuts down, there is a valid remote key in the vehicle and the starting conditions are met, press and release the Start Stop button, and the engine will be started.

Starting conditions:

- Manual transmission

  Place the shift lever in N position.

  Depress the clutch pedal all the way down and hold it.

- 6AT automatic transmission

  Place the shift lever in P or N position.

  Depress the brake pedal and hold it.

OFF

The engine shuts down when the shift lever is switched to this position. When the shift lever is placed in P (for 6AT model) position, press this switch and the ignition switch will switch to OFF.

Caution
When the vehicle is close to strong radio antenna signals, there may be an interference effect on the remote door lock system and the Start Stop button will not work.

Keyless start system

Keyless unlocking

When all doors are locked, enter the sensing area with a remote key and press the microswitch on the door handle, the central lock will unlock automatically. After unlocking, direction indicators will flash twice. If you do not conduct any of the following operations within 30s after that, the central lock will automatically lock again:

- Open any door
- Shift the power supply position to a non-OFF position
- Operate the central lock to unlock/lock

Note: It is feasible to unlock doors with the central unlocking button on the remote key. Press the central unlocking button once, and the central lock will unlock automatically.

Keyless locking

When the driver's door or front occupant door is unlocked, enter the sensing area with a remote key, and then press the microswitch on the door handle. The direction indicators will flash once, meanwhile the alarm horn will ring once for a short time (as appropriate). Then all doors will be locked, meanwhile the vehicle enters the fortification state. In any of the following cases, the doors will not be locked after the microswitch is pressed:

- The power supply switch is placed in non-OFF position
- The remote key is left in the vehicle
- The remote key is not in the sensing range
- The remote key battery is low
- The driver's door is open

Note: It is feasible to lock doors with the central locking button on the remote key. Press the central locking button once, and the central lock will lock automatically.

Keyless start

When the remote key is left in the vehicle and the starting conditions are met, press the start-stop switch once at this time, and then the engine will be started.

Starting conditions:

- Manual transmission

  Place the shift lever in N position.

  Depress the clutch pedal all the way down and hold it.
- 6AT automatic transmission

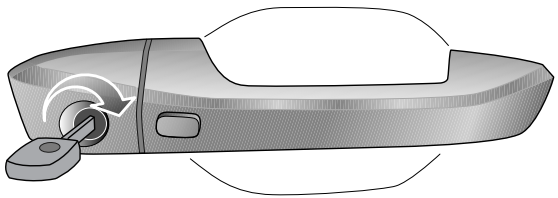
  Place the shift lever in P or N position.

  Depress the brake pedal and hold it.

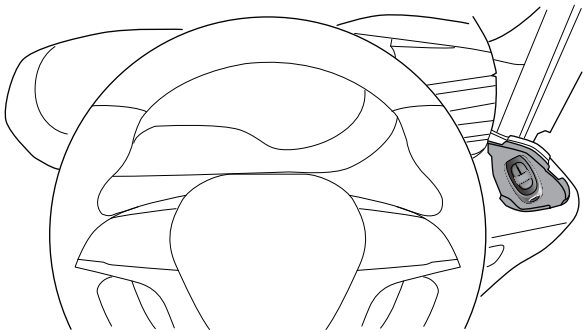
Note: If the starting conditions are not met, every time you press the start-stop switch, the power supply positions will be switched among OFF, ACC and ON in a cycle. If the remote key is not in the vehicle, after depressing the brake pedal, the indicator lamp will not go on; the power supply position switching or ignition action will not be performed after the start-stop switch is pressed.

Backup starting

When the remote control battery is low, the keyless entry function will fail, but you still can start the engine. Open a door with the mechanical key and enter the vehicle. At this time, the system may be in IMMO state and the alarm may be triggered, which is a normal situation.



On the premise that the starting conditions are met, place the key flat at the marker on the driver side cup holder and press the Start Stop button. Then the engine can be started.



Emergency Start and Shutdown

If you need to shut down the vehicle immediately during driving due to an emergency, there are two methods to shut down the engine:

1 Keep pressing the Start Stop button within 3s;

2 Press the Start Stop button for 3 consecutive times.

Engine immobilizer

Key

If your vehicle is equipped with electronic chip engine immobilizer, the key has been coded electronically for your vehicle. The coded key can be used for the corresponding vehicle only. Only the keys attached with the vehicle can start your engine.

When the immobilizer is effective, any illegal behavior to start the engine will be prohibited.

Enable/disable

If your vehicle is equipped with electronic chip engine immobilizer, when the key is switched from LOCK position to ON position, if the authentication succeeds, the "IMMO warning lamp (yellow)"  on the instrument cluster will keep off.

If the IMMO warning light (yellow) flashes, it is shown that the immobilizer goes wrong and the engine cannot be started. Contact Our Service Dealer for service immediately.

Note: The remote key contains a microchip which guarantees the fault-free data exchange between the key and the vehicle. Do not shield the key with a metal object (such as another key). Prevent it from severe impact. The quantity of keys hung on the key ring shall not exceed 1.

Starting/stopping the engine

Starting

CO is a harmful gas and may cause coma, even death. Avoid inhaling vehicle exhaust because it contains colorless, odorless and tasteless CO. Do not start the engine or keep the engine running in an airtight and unventilated place. If you find there is exhaust in the vehicle, find out the cause as soon as possible and handle it. If you have to operate in this kind of environment, please open all windows completely.

Check and make sure that the parking brake has been activated and the shift lever is in N gear (manual transmission) / P gear (6AT automatic transmission). All unnecessary electrical equipment shall be shut down.

Place the ignition switch in "ON" position, and wait for the "glow plug indicator (yellow)"  on the instrument cluster to go off. Depress the clutch pedal (manual transmission) or brake pedal (6AT automatic transmission), but do not press on the accelerator pedal. Turn the key to "START" position and then start the engine. After the engine begins running, release the key immediately, and the ignition switch will automatically return to "ON" position. When the engine is running, check to ensure that the "battery no-charge warning light (red)"  and "oil pressure warning light (red)"  on the instrument cluster go off.

- Manual transmission

  Place the shift lever in N position.

  Depress the clutch pedal all the way down and hold it.
- 6AT automatic transmission

  Place the shift lever in P or N position.

  Depress the brake pedal and hold it.

Note: During starting, do not keep the starter running for 20s above. If the engine is not started, wait for at least 30s after turning off the ignition switch and try again. The starter will stop automatically after running for 20s.

Note: If the engine management system fails, the "engine malfunction warning light (yellow)"  ***on the instrument cluster may flash or continue to stay on, and the engine may not be able to start (see "Self-protection mode" in this section).***

Caution
Do not allow the engine to run above the idle speed within 30 seconds after starting, so as to ensure that the turbocharger bearing can be adequately lubricated before running at high speed.

Warm-up

When the engine temperature is relatively low, there will be a poor effect if the engine is warmed up with the vehicle in stationary state. It is recommended to drive the vehicle as soon as possible after the engine is started.

Self-protection mode

In case of an engine fault which may affect the driving performance during driving, the engine system will enter the "self-protection mode". In this case, the "engine malfunction warning light (yellow)" on the instrument cluster will start flashing or stay on. Please contact Our Service Dealer for service immediately.

Stopping

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

For vehicles equipped with PEPS system, please see “Ignition switch” and “Keyless start system” in this section.

Enable the parking brake.

Caution
Keep the engine idling for 10s before shutdown, in order to the ensure the turbocharger bearing is fully lubricated during the deceleration.

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 manual transmissions

When the vehicle is in stationary state, please shift into the idle gear and release the clutch pedal, and then the engine will be shut down. At the same time, the "auto stop/start system indicator (green)"  in the instrument cluster will be lit.

The engine will start again if the clutch pedal is depressed. The indicator goes out.

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 shift lever 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 OFF 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 shift lever to P or N gear and start the engine through the start-stop switch or the key.

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 replacement or reconnection of the battery, the vehicle is not locked for more than 4h.
- The shift lever is in the R gear.
- The slope is very steep.
- Insufficient brake vacuum.

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 intelligent start/stop operation are met again, the engine may be shut down again.

Caution
• On vehicles equipped with automatic transmission, if it is switched to D gear after shifting to 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, you can 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)"  on 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:

Within the first 3,000km:

- Avoid driving too briskly and vary the speed frequently.
- Never depress the accelerator pedal to the lowest position at any gear.
- Do not keep the engine run slowly with difficulty at any gear.
- If possible, avoid undue heavy braking.

After the mileage reaches 3,000km, you can gradually increase the vehicle speed to the maximum admissible speed.

Avoid using high engine speed to protect the engine, reduce fuel consumption, lower engine noise level and protect the environment.

Driving

When driving, never place any portable container with fuel on the vehicle. Otherwise it may leak and a fire may result.

Caution
During driving, do not place your foot on the clutch pedal for rest; otherwise the clutch may be worn/damaged.

When driving on a risky road covered with water, snow, ice, mud, sand, etc., please:

- Slow down, drive with care and reserve longer brake distance.
- Avoid any sudden operation during braking, steering or acceleration.
- Apply sand or other anti-skid material under the drive wheels or install tire chains on them to provide the traction needed when the vehicle gets stuck in ice, snow or mud.

Skid

If your vehicle skids on a wet road, you cannot control the vehicle due to the decrease of friction force between the road and tires. Different road surfaces, tire inflating pressures and vehicle speeds may lead to skid. Skid is very dangerous.

The optimum method to stop skid is lowering driving speed and keep cautious when you feel the road is wet enough.

Wading driving

In order to avoid damage to your vehicle, when passing a road with gathered water, please:

- Confirm the water depth before the wading driving. The maximum wading depth of the vehicle is 30cm.
- Do not drive faster than 30km/h.
- The wave caused by front vehicle and head-on vehicle may exceed the maximum allowed wading depth.
- To avoid damage to your vehicle, please drive away from the flooded road as soon as possible.

Caution
If the vehicle stalls in water due to an accident, DO NOT restart the engine. Please contact Our Service Dealer immediately.

Water and mud can affect the braking system and lengthen braking distance, leading to an accident!

- **Slightly depress the brake pedal to keep brake parts dry and recover performance.**
- **Do not conduct an emergency brake when passing a slippery road.**

Note: The engine, drive system, transmission and electronic system of the vehicle may be severely damaged after the vehicle drives on a road with gathered water. Salt water is corrosive. The on-board components soaked by salt water must be washed with clean water.

Driving

When driving, never place any portable container with fuel on the vehicle. Otherwise it may leak and a fire may result.

Caution
During driving, do not place your foot on the clutch pedal for rest; otherwise the clutch may be worn/damaged.

Ramps and ferries

When negotiating sharp or severely inclined ramps, e.g. ferries, exercise caution to avoid damage to the underside of the vehicle.

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.

Caution
In order to protect the catalytic converter from being damaged, the following precautions must be observed: • Diesel oil should be used. If gasoline is added, the company will not bear any responsibility. If gasoline is accidentally filled, you should immediately contact Our Service Dealer for maintenance. 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 for Use of DPF (Diesel Particulate Filter)

The main function of DPF is to collect particles in vehicle exhaust, and to remove particles collected in DPF through active and triggered regeneration in a certain period to achieve the function of recovering DPF to collect particles. Active regeneration refers to the function of the engine to automatically start and recover DPF to collect particles in vehicle exhaust according to actual working conditions. Triggered regeneration refers to the regeneration that the current working conditions of the engine cannot meet the active regeneration conditions and requires human intervention.

Switching regeneration of DPF one-key regeneration

Instrument alarm prompt

Level 1 alarm prompt: "Please drive at high speed or safely trigger DPF regeneration in situ" is displayed on the instrument cluster for 9 seconds, and the buzzer prompts three times. the "DPF warning light (yellow)" on the instrument cluster stays  ON.

Level 2 alarm prompt: "Ensure safety, and immediately trigger DPF regeneration in situ" is displayed on the instrument cluster for 9 seconds, and the buzzer prompts three times. It can be temporarily canceled by pressing the OK button on the steering wheel or the SET button on the combination switch for a short time. If the alarm state does not change within 2 minutes after the alarm pop-up disappears, the alarm will be triggered again, and the "DPF warning light (yellow)"  on the instrument cluster will flash at a frequency of 1 Hz.

During the process of regeneration, "xx% of DPF regeneration has been completed, please wait patiently" is continuously displayed on the instrument cluster, and the "DPF (Diesel Particulate Filter) Warning Lamp (Yellow)" on the instrument cluster flashes  at a frequency of 0.5 Hz.

The instrument cluster of regeneration completion displays "DPF regeneration in situ is completed and normal driving is available" for 3 seconds, and a buzzer prompts once.

The instrument cluster that cannot accept regeneration operation displays "DPF cannot be regenerated due to the reason of xx, please refer to the Owner's Handbook for details" for 9 seconds, and a buzzer prompts once.

The specific reasons why DPF can not be regenerated are as follows:

0: The engine is not in Normal operation mode
1: Coolant is not in the allowable temperature range
2: The oil temperature is not within the allowable temperature range.
3. The barometric pressure is not within the allowable pressure range
4: The fuel temperature is not within the allowable temperature range
5: Insufficient battery voltage
6: The clutch is depressed
7: Not in N gear
8: The vehicle speed is not equal to zero

9: The engine speed is not within the allowable range
10: The internal torque is not within allowable range
11: The accelerator pedal is not within the allowable range
12: The upstream temperature of DPF is not within allowable range 1
13: The upstream temperature of DPF is not within allowable range 2
14: The upstream temperature of DOC(Diesel Oxidation Catalyst) is not within the allowable range 1
15: The upstream temperature of DOC(Diesel Oxidation Catalyst) is not within the allowable range 2
16: DPF particles are not higher than the set limit value
17: DPF-related faults
18: Engine-related faults
19: The maximum allowable regeneration time comes
20: The upstream temperatures of DOC(Diesel Oxidation Catalyst) and DPF fail to reach within the allowable range 1 target value
21: The upstream temperatures of DOC(Diesel Oxidation Catalyst) and DPF fail to reach within the allowable range 2 target value
22: The Maximum Allowable Temperature 1 of upstream DPF is exceeded
23: The Maximum Allowable Temperature 2 of upstream DPF is exceeded
24: The Maximum Allowable Temperature 1 of upstream DOC(Diesel Oxidation Catalyst) is exceeded
25: The Maximum Allowable Temperature 2 of upstream DOC(Diesel Oxidation Catalyst) is exceeded
26: Regeneration command of service station has not been sent
27: The brake is depressed

Switching regeneration steps

1 Stop the vehicle, put the manual transmission in N gear (6AT automatic transmission in P gear), enable the parking brake, and turn off the ignition switch (or ignition switch) for 2 minutes.

2 Start the vehicle;

3 Press the one-key regeneration switch and hold it for 2 seconds, then DPF regeneration will begin.

Note: If the engine speed rises to 2,000 rpm, the regeneration trigger is successful; otherwise it is unsuccessful. Turn off the ignition switch and wait for 2 minutes, and then operate again according to the above steps. After regeneration starts, unless you have to drive, please stay in N gear and keep the vehicle in stationary state. Do not perform other operations (e.g. depressing the brake pedal, the clutch pedal, the accelerator pedal, etc.) until the engine speed returns to idle speed.

Caution
DPF regeneration temperature is very high, please park the vehicle in an open and ventilated place, and make sure there are no inflammables (e.g. hay, oil, etc.) around when using. If it cannot be regenerated successfully for several times, please go to Our Service Dealer for processing.

Conditions of regeneration

- The DPF is overloaded, and the particle value exceeds the set value (the instrument panel has level 1 and level 2 alarms).
- The water temperature is above 40 degrees Celsius.
- No DPF-related function error.
- The vehicle speed is 0 and the gear is N (6AT automatic transmission is in P gear).

Possible causes of regeneration failure

- The clutch pedal is depressed.
- The gear is not in N (The gear of 6AT automatic transmission is not in P).
- The vehicle is not stationary state (The vehicle speed is not zero).
- The accelerator pedal is depressed.
- The brake pedal is depressed.
- The engine conditions are not satisfied (for example, the water temperature is too low and the exhaust temperature is too high).
- The engine has DPF-related fault(s).
- The regeneration steps were not followed.

Regeneration steps for high load driving

1 Carry out high-load conditions cycles, such as high-speed driving (vehicle speed is maintained at 80km/h and above);

2 Drive the vehicle for about 30 minutes.

Special driving conditions

Under the following circumstances, the vehicle has almost no triggered regeneration, and the efficiency of active regeneration is generally low or even zero, requiring the attention of the driver to try the best to avoid:

- Repeatedly start and stop the vehicle.
- Operate the vehicle at a low speed and a low load for a long time.
- The vehicle idles for a long time in stationary state.

Caution
The cumulative amount of DPF carbon deposition will increase after a long time idling. If your vehicle needs to keep operating at idle speed for a long time, when the active regeneration function of the vehicle is enabled, please depress the accelerator actively to make the engine speed reach 2,000 ~ 2,500 rpm to assist regeneration.

Fuel

Refueling

It is prohibited to mix diesel with engine oil, gasoline, 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.

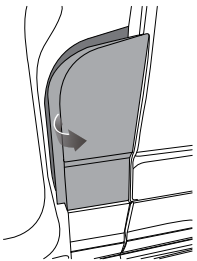
Please select the required fuel according to the tag on the filler port of fuel tank. See “Main engine parameters” in General Technical Parameters section.

Caution
• It is recommended to use high-quality fuel free of additive or other engine cleaner. • If you accidentally fill it up with gasoline, contact Our Service Dealer for service immediately. DO NOT start the engine. If the engine with gasoline is started, the fuel system components will be damaged severely. This kind of damage is not covered by warranty.

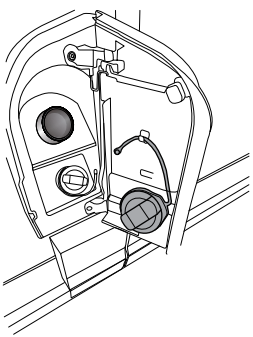
In order to prevent fuel from overflowing, please stop refueling when the fuel filler nozzle is automatically closed. If you continue refueling at this time, the fuel tank will be overfilled and the fuel will overflow when the outdoor temperature is high or the vehicle makes a turn.

Fuel filler cap

Open the front occupant's door and then the fuel filler door.



Turn the fuel filler cap counterclockwise to remove it, then refuel the tank. After the refueling, turn the fuel filler cap clockwise to tighten it, then close the fuel filler door.



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 uphills.

  — Pre-consider possible risks to avoid emergency brake.

  — Make sure the parking brake is released completely during driving.
- Vehicle load

  — The heavier the load is, the higher the fuel consumption is. Do not add unnecessary load.

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.**

Precautions for cold weather

It is prohibited to use lamp oil (kerosene) as the additive. It is very dangerous to add gasoline to the fuel.

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°C.
- 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.
- 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.

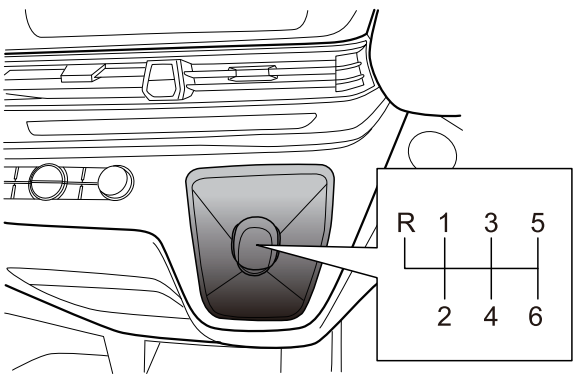
Manual transmission

Gear shifting

During the gear shifting, depress the clutch pedal completely, and then move the shift lever. After the gear shifting, release the clutch pedal slowly.

The shift lever knob is marked with all gears.

6-speed manual transmission



*6th gear:*Completely push the shift lever to the right by the force greater than the spring stress, and then push it to the bottom. When shifting to the 5th gear, do not apply a lateral pressure towards left, otherwise the gear may be shifted to the 3rd gear by accident. Then the engine will overspeed as a result.

Note: It is not possible to switch the shift lever directly from 6th gear to reverse gear (R).

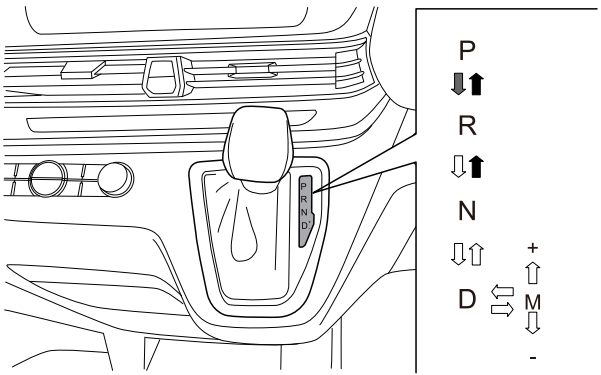
*Reverse gear (R):*Lift the pulling tube on the shift lever from N position, and completely push the shift lever to the left by the force greater than the spring stress, and then push it to the top.

Note: It is only necessary to lift the pulling tube on the shift lever when shifting into/out of the reverse gear (R).

Caution
Before shifting into/out of R gear, the vehicle must come to a full stop. Upshift must be done in sequence. It is prohibited to start off with the 2nd gear. Transmission shall not be shifted to N gear for coast down. It is prohibited to shift to N gear, especially when the vehicle drives downhill, so as to prevent the burning damage of the synchronizer and various types of bearings.

6AT automatic transmission

Operation



⇨When the vehicle is started or the ignition switch is in "ON" position, depress the brake pedal (and hold it) and press the lock release button in the upper front of shift lever during gear shift.

➡Press the lock release button in the upper front of shift lever when moving the lever.

⇨The shift lever can also be moved without pressing the lock release button.

6AT automatic transmission consists of 6 drive gears and 1 reverse gear. Each gear can be automatically engaged according to the position of shift lever.

For stable running, depress the brake pedal by changing from N (neutral gear) to the drive gear or reverse gear.

Situation of the mass surrounding the vehicle especially children must be checked before adjusting to D (drive) or R (reverse) gear.

Make sure the shift lever is in P (park) position before leaving the driver seat; then set the parking brake and shut down the engine.

Caution
To avoid damages to transmission, do not accelerate the engine under the condition of stepping on the brake pedal and engaging R (reverse) gear or other Drive gears. When parking uphill, do not secure the vehicle with engine power but with the brake or parking brake. When the engine rotates at a speed higher than idle speed, do not shift from N (neutral) or P (park) gear to D (drive) or R (reverse) gear.

Gear

P (Park Gear)

Engaging P (park) gear during vehicle running will cause transmission damage. Do not use P (park) gear to replace the parking brake. Make sure the shift lever is at P (park) gear and the parking brake is completely set.

The vehicle must be stopped completely before adjusting to P (parking) position. The transmission output gear is locked in this position to prevent driving wheel from moving.

R (Reverse gear)

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 back off.

N (Neutral gear)

Neither the vehicle nor the transmission is 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 gear)

It is a common Drive gear position. The transmission will automatically shift among 6 gears in sequence to provide the most fuel-efficient and the maximum power.

During overtaking or climbing up a hill, when the accelerator pedal is fully depressed, the transmission will automatically downshift to provide extra power.

M (Manual)

No matter the vehicle is idling or running, you can choose the manual mode by switching the shift lever from D (Drive) gear to M (Manual) position. To return to D (Drive) gear, push the shift lever back to D (Drive) position.

Compared to manual transmission, the automatic transmission allows gear shift to be done with accelerator pedal depressed under manual mode.

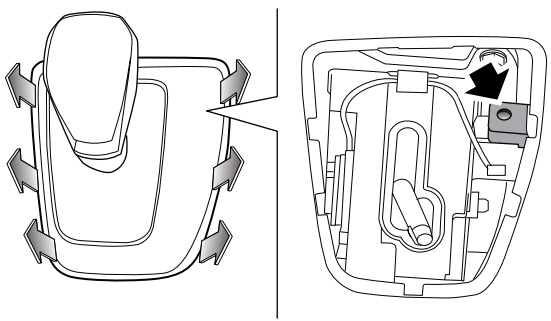
(+): Push up the shift lever once to a higher gear.

(-): Pull down the shift lever once to a lower gear.

Note: It does not need to press the lock release button in the front of shift lever and the lever can automatically restore.

Manually release P gear lock

In case of a dead battery or transmission computer failure, the vehicle will be unable to identify signal from brake pedal, so that the P gear lock shall be released manually. Push the vehicle to a safe place, pry up the shift panel, insert the mechanical key portion into the hole shown and press it, while holding the shift lever knob, pressing the lock button on the lever knob and pulling the shift lever backwards to pull back the lever from P gear to N gear. Then recover all removed parts, and engage P gear after parking.



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

If the electric power steering fails or cannot operate, the steering will appear very heavy, which will affect driving safety.

The electric power steering system only works when the engine is running. The system operates via a motor with assistance levels automatically adjusted based on vehicle speed, steering torque and steering wheel angle.

The electric power steering system has the advantages of simple structure and energy saving. Compared with the traditional hydraulic power steering system, the electric power steering system only needs energy in actual steering, so that power loss can be reduced in this operating way of power consumption according to the need.

Caution
When the electric power steering system operates, holding the steering wheel on full lock for long periods will result in a reduction in power assistance and cause a heavier feel to the steering.

EPS (electric power steering) system MIL

See “Warning lights and indicators” in Before You Drive section.

If the battery is disconnected or lacks power seriously, this light may illuminate. At this point, fully turn the steering wheel to the left (with appropriate force) then the right, and finally return the steering wheel to the center, thus the system initialization is completed, and the light will go out.

Brake system

Service brake

Dual brake hydraulic system

A failure in one of the hydraulic pipelines will be indicated by illumination of the "braking system warning light (red)"  **on the instrument cluster while driving; it will result in increased brake pedal travel and effort, longer braking 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 immediately. Do NOT 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 brake pedal movement.

Never rest your foot on the brake pedal as this may overheat the brakes, reduce their efficiency 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. Contact our Service Dealer for service as soon as possible.

If the engine stops running due to some causes, brake booster will stop working after 2 pedal operations; to achieve the expected brake effect, a larger force shall be applied on the pedal. In these circumstances the braking 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. Contact our Service Dealer for service 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 ice can form or salt may accumulate on the brake pads and discs. Ice and salt accumulation will be cleaned off after intermittently 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.

For a steep slope which requires to apply the brake constantly, a lower gear shall be selected before driving downhill to reduce the required brake force.

ABS (Anti-lock Brake System)

Your ABS prevents the road wheels from locking under emergency braking; thereby helping 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 for emergency brake with ABS On:

1 Depress the clutch pedal and then completely depress the brake pedal.

2 Bypass the obstacle. No matter how much brake force is used, you can always maintain the control on direction.

ABS in action

ABS may not be able to shorten the brake distance, depending on road surface conditions, brake distance may vary significantly. In fact, when the vehicle without ABS drives on some roads (e.g., gravel road or snowy road), the brake distance may be shorter.

ABS cannot overcome some 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 tires and the road surface.

ABS can better protect yourself and other road users from unnecessary risks. You still have a duty to drive within normal safety margins, having due considerations for the road surface, weather and traffic conditions.

If the force of your braking should exceed the available adhesion between the tires 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.

Even when making emergency braking on a slippery road surface, be sure to depress the clutch pedal and fully depress the brake pedal. 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.

Precautions for driving a vehicle with ABS

- In case of emergency braking, depress the clutch pedal, meanwhile fully depress 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 covers the functions of ABS, EBD, TCS, VDC, EBA, RMI and HAS.

ESP Indicator on the instrument cluster flashes when the ESP is operating. You may hear some noise or feel the vibration of brake pedal, which is normal.

When the ignition switch is placed in "ON" position, "ESP indicator (yellow)"  will illuminate and go off after several seconds. In normal driving conditions, ESP indicator keeps off, and ESP is in monitoring state. When the ESP indicator blinks, it indicates ESP is operating. You may hear some noise or feel the vibration of brake pedal, which is a normal phenomenon. In case of ESP failure, ESP indicator will stay On. Please take the vehicle to Our Service Dealer for ESP inspection.

ESP can be turned off with ESP OFF switch, and when ESP function is turned off, only ABS and EBD functions are available.

EBD (Electronic Brake-force Distribution)

EBD automatically detects the grip conditions between wheels and ground, distributes the brake force optimally to 4 wheels, so as to improve brake efficiency and driving stability.

TCS (Traction Control System)

TCS automatically controls the driving force at the start-off and acceleration to prevent wheels from spinning, so as to maintain the driving stability.

VDC (Vehicle Dynamics Control)

VDC is an advanced computer system, which can help you to control the vehicle driving direction in severe driving conditions. When the computer detects the deviation between the expected driving route and the actual driving direction, VDC system may selectively apply brake pressure on one or more brakes of the vehicle so as to keep the vehicle driving in the direction commanded.

EBA (Electronic Brake Assist)

In case of an emergency, the force applied by a driver on the brake pedal is usually insufficient. EBA can identify this rapid action with insufficient force on the brake pedal and automatically establishes a brake pressure up to the lock level to shorten the brake distance greatly.

RMI (Roll Movement Intervention)

RMI can identify the vehicle rollover trend as early as possible by monitoring the turning angle of steering wheel and lateral acceleration, and apply braking to one or more wheels to prevent the rollover to the greatest extent.

HAS (Hill-start Assist System)

When the vehicle drives uphill, HAS can prevent the vehicle from sliding backwards after the driver releases the brake pedal. The driver has up to 1.5s to move his foot from the brake pedal to the accelerator pedal for hill-start.

Precautions for driving a vehicle with ESP

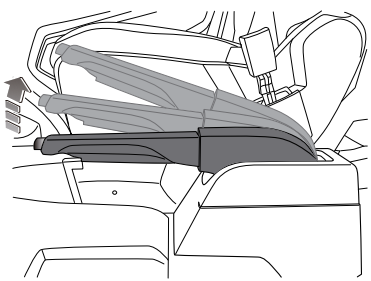
ESP can detect and analyze vehicle conditions, and take preventive measures by correcting wrong driving operation. However, anything has its limit and no safety device is absolutely safe if the driver blindly drives the vehicle over-speeding.

Parking brake

Pull up parking brake handle.

- Press the brake pedal hard to the end.
- Pull up the parking brake handle with effort, and ensure it is locked in the "Upper" position.
- Release the brake pedal and ensure the vehicle is already in stationary state.
- If the vehicle still moves, pull up the parking brake handle with greater effort.

Note: For vehicles equipped with manual transmission, move the shift lever in 1st gear (flat ground or uphill) or R gear (downhill) when parking. For vehicles equipped with 6AT automatic transmission, move the shift lever in P gear when parking.



When the ignition switch is placed in "ON" position, pull up the parking brake handle, and "brake system warning light (red)"  in the instrument cluster will illuminate.

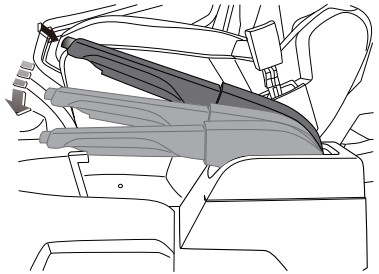
Ramp parking

When parking uphill, turn the front wheels away from the curb. When parking downhill, turn the front wheels to the curb.

Release the parking brake handle

Before the ignition switch is turned on, do not release the parking brake handle. Otherwise you will not be able to steer the vehicle. Before driving, ensure the parking brake handle has been fully released, and "brake system warning light (red)" in the instrument cluster has gone out, because partial braking may lead to overheat, efficiency reduction and excessive wear of rear brakes and even an accident.

Slightly pull up the parking brake handle, then press the button at the end of lever, and push the handle fully down.



Warning Light

Warning lamps related to brake system include "brake system warning light (red)", "ABS warning light (yellow)", "EBD warning light (red)", "ESP indicator (yellow)" and "ESP OFF indicator (yellow)", please see “Warning lights and indicators” in Before You Drive section.

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 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 button 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 button to turn on/off the cruise control system. The "cruise control indicator" in the instrument cluster illuminates or goes out accordingly.

: Cruise cancel switch. Press this button to cancel the cruise function without clearing the set speed in the memory.

RES+ : Cruise recovery/acceleration switch. If a set speed has been stored, press 

upwards to resume that speed; press upwards again to accelerate (1km/h per time). The instrument cluster will display the target speed.

SET- : Cruise setting/deceleration switch. Press 

downwards to set a speed. Then the cruise function will be enabled and the "cruise control indicator lamp" on the instrument cluster will turn green from white. If the cruise function is operating, press 

downwards to decelerate (1km/h per time). The instrument cluster will display the target speed.

Setting speed

1 Press to turn on the cruise control system. Meanwhile the "cruise indicator lamp (white)" in the instrument cluster will illuminate.

2 Accelerate to the desired speed.

Note: This speed must be higher than 40km/h.

3 Press 

downwards towards SET- and then release it. Then the current speed will be stored and maintained. The speed set will appear in the instrument cluster display momently, and the "cruise indicator lamp" on 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 pre-set speed, press 

upwards towards RES+ when the vehicle speed reaches 40km/h or above, and then the vehicle speed will recover to the pre-set 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 

upwards towards RES+, and hold it until the vehicle accelerates to the desired speed, and then release it. To accelerate by minor increment, short press 

upwards towards RES+, and then release it. Each time this is done, the vehicle goes about 1.0 km/h faster, meanwhile the instrument cluster will display the incremental target speed.

Decelerating with cruise control enabled

If the cruise control system has been enabled:

- Press 

downwards towards SET-, and hold it until the vehicle decelerates to the desired speed, and then release it.
- To decelerate by minor increment, short press 

downwards towards SET-, and then release it. Each time this is done, the vehicle goes about 1.0 km/h slower, meanwhile the instrument cluster will display the decremental target speed.

Overtaking with cruise control enabled

Speed up with the accelerator pedal. When you release the accelerator pedal, the vehicle will decelerate to the pre-set cruise control speed.

Using cruise control on slopes

The performance of cruise control system on a slope depends on the speed, load as well as the 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 control indicator lamp" in the instrument cluster will turn white from green when the cruise control is disabled.
- Press  .
- Press  to turn off the cruise control system completely. The cruise control speed will not be resumed.

Clearing speed memory

The cruise control set speed memory will be cleared when you press or turn off the ignition switch.

Parking assist system

Note: The type of parking assist system equipped on your vehicle is subject to the actual vehicle configuration 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 close 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 a 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.

Working status of parking sensor assist system

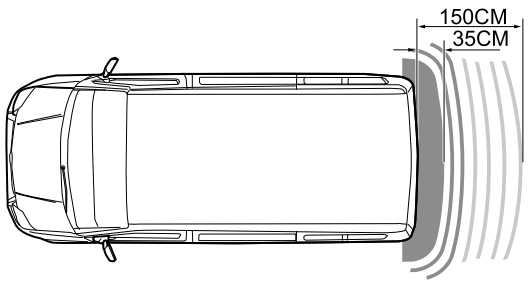
After shifting into the reverse gear, the parking assist system will give out a prompt tone of 0.5s to indicate the operation started automatically. When selecting other gears, the parking assist system will stop working.

Note: If the system gives out a prompt tone of 3s after the gear is shifted to "R", it indicates that the system has a malfunction. Contact Our Service Dealer for service as soon as possible.

Parking process

When the vehicle is at about 150cm distance from the rear barrier, the system will start making alarm sounds. And the alarm sound become harsher when the vehicle is approaching the barrier.

When the distance of the vehicle from the rear barrier is less than 35 cm, the system will produce a long alarm sound. At this moment, it is impossible to effectively identify the barrier if you continue to reverse the vehicle.



Front and rear sensors

The parking assist system is not always reliable and is only playing the role of guidance! The sensors might not detect some types of obstacles, including slim objects (such as wire nets and ropes), small objects close to the ground, conic objects, and some objects with non-reflective surfaces.

The sensors shall be free of dirt, ice, and snow. The sediment on surfaces of sensors will impair the normal functioning of the sensors. Therefore, avoid directly flushing the sensors from a short distance by a high pressure water gun while washing your vehicle.

Four sensors located in the front bumper will scan the front area of the vehicle, and four sensors located in the rear bumper will scan the rear area of the vehicle to determine whether there is any obstacle. Upon detection of any obstacle, the parking sensors will calculate its spacing with 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 assist system with front and rear sensors

Rear parking assist system

After R gear is selected, the rear parking assist system will automatically turn on. Shift out of the R gear and the rear parking assist system will automatically stand by.

Front parking assist system

When the ignition switch is in "ON" position, the front parking assist system will automatically turn on. When it is shifted to D gear, R gear or N gear and the parking brake is released, and when the vehicle speed is less than 15km/h and the front radar alarm tone switch is turned on, the front parking assist system will enable the detection function.

Note: When the ignition switch is in "ON" position, if the display screen gives out a 3-second prompt tone, it indicates that the parking sensor assist system has failed and Our Service Dealer shall be contacted for overhaul as soon as possible.

Front radar alarm tone switch

Front radar alarm tone switch OFF located on the central control switch block on the instrument cluster. When the ignition switch is turned to the "ON" position or the shift lever is shifted to R gear, the front radar alarm tone switch will be automatically turned on and the front parking assist system function will be enabled, and the indicator lamp on the switch is turned on, and the front radar enables the alarm function within the alarm range. Press the switch, the function of the front parking assist system will be disabled, and the indicator lamp on the switch will go out.

When the front/rear parking assist system fails during operation, the indicator lamp on the front radar alarm tone switch will flash for 6 seconds, then go out, and will not be lit again until the parking assist system fault is relieved.

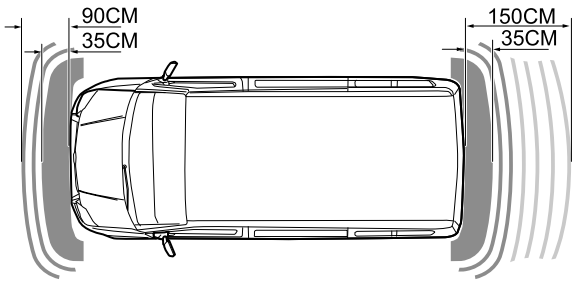
Note: If the system fault is relieved when the indicator lamp on the radar alarm tone switch is flashing, the indicator lamp will immediately switch from flashing state to constant ON state; if the system exits the operation state when the indicator lamp is flashing, the indicator lamp will go out immediately. In case of system failure, Our Service Dealer shall be contacted for overhaul as soon as possible.

Parking process

When the two middle radars in the rear of the vehicle are about 150cm away from the barrier, or when the radars on both sides are about 60cm away from the barrier, the parking assist system starts to make alarm sounds. And the alarm sound become harsher when the vehicle is approaching the barrier.

When the two middle radars in the front of the vehicle are about 90cm away from the barrier, or when the radars on both sides are about 60cm away from the barrier, the parking assist system starts make alarm sounds.And the alarm sound become harsher when the vehicle is approaching the barrier.

When the distance of the vehicle from the front or rear barrier is less than 35cm, the parking assist system will sound a long alarm. At this moment, it is impossible to effectively identify the barrier if you continue to reverse the vehicle.



Note: When the front parking assist system works under D gear and N gear, the front radar will detect obstacles under normal working conditions and will produce alarm sounds. If the distance from obstacles does not change after 3 seconds, the system will stop sending alarm frequency signals. If the distance from obstacles changes again, the front parking assist system will resume sending alarms.

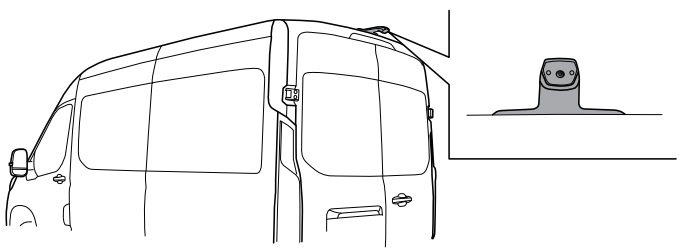
Parking camera

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:

After selecting R gear, the entertainment system display will be switched to the operation condition of parking cameras, displaying the scene behind the vehicle as reverse reference.

When selecting other gears, the parking camera assist system stops working and the display returns to the original state.



Note: When the vehicle enters the reversing state, cameras will output static reversing tracks which are displayed on the entertainment system display screen, take the horizontal plane as reference, and identify the area behind the vehicle in segments divided by red, yellow and green lines.

Driver assistance system

Note: The type of advanced driver assistance system (ADAS) on your vehicle depends on the actual vehicle configuration you purchased.

This vehicle is equipped with various driver assistance functions, which can provide active driving assistance. The functions include:

- Adaptive Cruise Control (ACC)
- Forward Collision Warning (FCW)
- Automatic Emergency Braking (AEB)
- Lane Departure Warning (LDW)
- Blind Spot Detection (BSD)
- Parking Assist System
- Lane Change Assistance (LCA)
- Rear Cross Traffic Alert (RCTA)

Driver assistance system camera

The DAS camera is used to achieve the following functions:

- Adaptive Cruise Control (ACC)
- Forward Collision Warning (FCW)
- Automatic Emergency Braking (AEB)
- Lane Departure Warning (LDW)

Camera restrictions

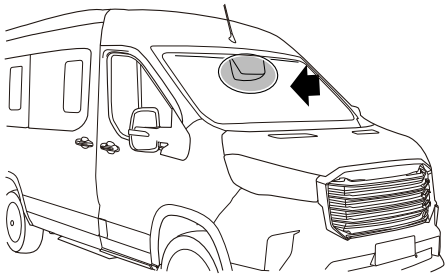
The camera unit is subject to certain restrictions, which in turn limit the function of the unit.

- Limited field of vision

The camera has a limitation similar to that of human eyes, that is, its "eyesight" becomes poor under heavy rain, blizzard, dense fog, severe sandstorm or snowfall. Under these conditions, the functions of the systems relying on the cameras may be greatly reduced or temporarily deactivated.

When used for scanning lanes to detect pedestrians, cyclists and other vehicles, strong head-on lights, reflections on lanes, ice and snow on road surfaces, dirty or unclear lane markings, etc., may greatly reduce the function of camera.

Do not place, paste or install anything inside or outside the windshield in front of or around the camera unit, otherwise it may interfere with the relevant functions of the camera.



The camera unit is located at the upper part of the windshield. If the driver side instrument cluster information center displays "Clean Windshield" or "Camera System Fail", it indicates that the camera unit cannot detect other vehicles in front of your vehicle. The table below shows examples of possible causes of the display of fault information and corresponding actions:

Causes	Measures
The windshield surface in front of the camera unit is too dirty, or there is ice or snow.	Clean the dust and ice or snow on the windshield surface in front of the camera unit.
The camera's view is blocked by fog and heavy rain or snow.	No action recommended. Sometimes, the camera unit may become poor in identifying foreign objects in case of heavy rain and snow.

Causes	Measures
Dirt may appear between the inside of the windshield and the camera unit.	It is recommended that you drive your vehicle to our Service Dealer to clean the windshield under the unit cover.
Direct sunlight and strong head-on lights or road reflections are more serious.	No action recommended. Sometimes, the camera's ability to recognize objects under strong direct sunlight becomes poor.
The camera unit hardware is damaged	It is recommended that you drive the vehicle to our Service Dealer for repair.

- Windshield damaged

If there is a crack, scratch or gravel damage mark covering about 0.5x3.0 mm or larger area on the windshield in front of any camera unit "window", please contact our Service Dealer for windshield replacement. Failure to take measures may result in degraded performance of the driver assistance system using the camera unit. In order to avoid operation failure, insufficiency or delay of the driver assistance system using the camera unit, the following suggestions should also be followed:

– It is recommended that you do not repair cracks, scratches or gravel damage marks in the area in front of the camera unit, but replace the entire windshield.

– Before replacing the windshield, please contact our Service Dealer, to ensure that the appropriate windshield is ordered and installed.

– Windshield wipers of the same type or approved by our Service Dealer must be installed when replacing them.

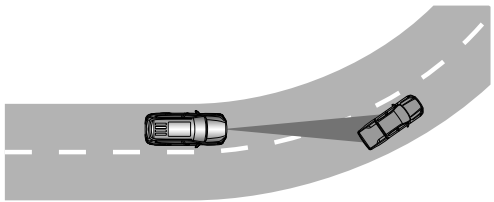
– After the windshield is replaced, the camera unit must be re-calibrated by our Service Dealer to ensure that all camera-based vehicle systems function properly.

- Field of vision blocked

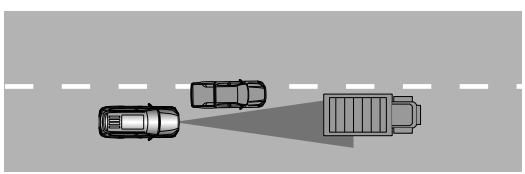
The camera unit has a limited field of view. In some cases, another vehicle cannot be detected, or the detection will be later than expected.

– When driving on a curving road, the ACC system may respond to the vehicle in other lanes, or may lack time to respond to the vehicle in the same lane, which may result in a collision with the front vehicle or loss of control of the vehicle. Therefore, you should pay special attention when driving on a curving road and be prepared to apply brakes

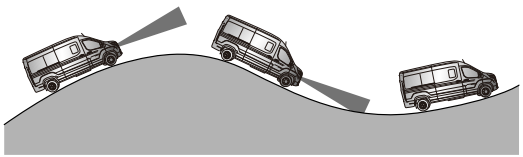
when necessary. When driving on a curving road, select proper speed.



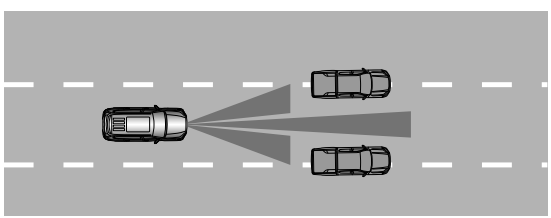
– If a vehicle in the adjacent lane is not within the sensor-monitored area when entering the lane in front of your vehicle, the sensor may not detect these vehicles, resulting in delayed response of the adaptive cruise control. The driver should pay close attention to the movements of vehicles in adjacent lanes and intervene actively when necessary.



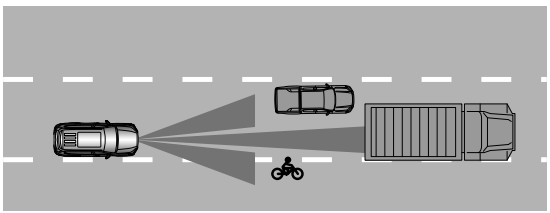
– Do not use the adaptive cruise control on steep slopes. On a steep slope, the adaptive cruise control cannot detect the vehicle in the same lane. On a steep slope, the driver usually needs to control the acceleration and braking of the vehicle by himself/herself. If the brake is applied, the adaptive cruise control will be deactivated. In addition, inaccurate speed control may occur when the adaptive cruise is applied on a sloped road.



– The adaptive cruise control system cannot accurately judge the width of the front lane, so when the front lane in the driving direction of the vehicle is too narrow and the driver feels unable to pass, the driver should apply the brake to deactivate the adaptive cruise control system immediately and control the vehicle by himself/herself.



– The adaptive cruise control system cannot guarantee the detection of all types of vehicles on the traveling path, especially it is difficult to identify narrow vehicles such as bicycles and motorcycles. Drivers should pay close attention to the narrow vehicles in front of their vehicles.



Driver assistance system millimeter-wave radar

The millimeter-wave radar of the driver assistant system is used to realize the following functions:

- Blind Spot Detection (BSD)
- Lane Change Assistance (LCA)
- Rear Cross Traffic Alert (RCTA)

There are some restrictions for the millimeter-wave radar, so that the function of the radar is restricted.

- In a heavy rain, heavy snow or severe sandstorm, etc, the function may be restricted.
- When driving on sharp bends, slopes, very wide or narrow lanes, the function is restricted.

Adaptive Cruise Control (ACC)

Adaptive cruise control helps the driver maintain the same speed as the vehicle ahead and maintain a preselected time interval. The adaptive cruise control system can bring you a more relaxed and comfortable driving experience when driving on smooth expressways and long straight roads. The driver can set the required vehicle speed and the time interval with the front vehicle. When the camera unit detects that the vehicle in front is slowing down, your vehicle will automatically slow down accordingly. When the road is once again unblocked, your vehicle will be restored to the selected speed.

The driver must always pay attention to the current traffic conditions and intervene when the adaptive cruise control system fails to maintain a proper speed or a correct distance. The adaptive cruise control system is unable to deal with all traffic, weather and road conditions.

Please read all sections of this Handbook on adaptive cruise control system to understand the limitations on this function. Drivers should have a good understanding of these limitations before using the function.

The driver always bears the ultimate responsibility for maintaining the correct distance and speed, even if the adaptive cruise control system is activated.

Overview

The distance with the vehicle ahead is measured by the camera unit. The cruise control function adjusts the speed using the acceleration and braking functions. When the adaptive cruise control system uses the brakes, it is normal for the brakes to produce low noise.

The purpose of adaptive cruise control is to follow the car in front on the same lane at an interval set by the driver. If the camera unit cannot detect any vehicle ahead, the speed set and saved by the driver will be maintained. The above situation also occurs if the speed of the vehicle ahead exceeds the saved speed.

The adaptive cruise control aims to control speed in a smooth manner. In case of emergency braking, the driver must brake by himself/herself. This involves a large difference in speed, or if the vehicle ahead is braked suddenly. Unexpected braking or failure to brake may occur due to the camera unit limitations.

Adaptive cruise control can allow your vehicle to follow another vehicle at speeds ranging from 30 km/h to 120 km/h.

Adaptive cruise control system is not a collision avoidance system. If the system does not detect the vehicle ahead, the driver must intervene.

For people or animals, as well as small vehicles such as bicycles, motorcycles, electric bicycles, the adaptive cruise control system will not apply the brake. This is also the case for lowboy trailers and approaching, slowly moving or stationary vehicles and objects.

The adaptive cruise control system shall not be used in case of urban roads, intersections, slippery surfaces, roads with accumulated water or mud, overcast, rainy/snow weather, poor visibility, winding roads or expressway exits.

The driver assistance system is not suitable for the situation in which sunlight obliquely shines on the camera from the front of the vehicle and the case in which the high beam coming from the opposite side shines on the camera at night when entering/leaving the tunnel entrance.

Adaptive cruise control (ACC) switch

The adaptive cruise control switch is located on the steering wheel.

: ACC main switch, which is pressed to turn the system on or off.

When the adaptive cruise control (ACC) is activated:

: ACC deactivation switch, which is pressed to deactivate the adaptive cruise control without clearing the set cruise speed.

RES+ on  on the steering wheel: To increase the saved vehicle speed or re-activate the adaptive cruise control and restore the saved speed.

SET- on  on the steering wheel: To decrease the saved vehicle speed or re-activate the adaptive cruise control and save the current speed.

on  on the steering wheel: To set the following distance, adjust the following distance controlled by ACC, and switch the following distance from Level 1 to Level 3 cyclically.

Instrument cluster display

 : Settings of following distance.

 : ACC working state.

 : Target cruise speed.

 : Indicator of the front vehicle, which is always green when keeping a safe distance from the front vehicle and yellow when becoming too close to the front vehicle.

Instrument cluster information center display

The adaptive cruise control only reacts to the vehicles detected by its camera, so it may not issue a warning or there may be a delay in warning. When braking is required, do not wait for the warning to be issued before applying the brake.

When the vehicle may be in danger of collision, the instrument cluster information center will display:

The adaptive cruise control system can utilize about 40% of the braking capacity of the foot brake. If the front vehicle is braked urgently at a high speed, the adaptive cruise control alone cannot slow down the vehicle to a safe speed. At this moment, the instrument cluster will display "Apply the Brake" and the driver must act immediately.

Enabling and activating adaptive cruise control system

If the adaptive cruise control system is to control speed, it must be enabled first.

Enabling adaptive cruise control system

- Press the ACC main switch, and the instrument cluster displays:

   and 

  , indicates that the adaptive cruise control system is in standby mode, and the state of the front vehicle indicator  depends on whether the camera system recognizes a front vehicle.

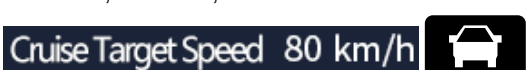
  To activate the ACC, the following requirements must be met:

  – The driver's seat belt must be fastened and the driver's door must be closed.

  – The current vehicle speed must be at least 30 km/h.

- When the standby mode of the adaptive cruise control system is normal, press SET- on  on the steering wheel, the ACC system is activated, and the instrument cluster displays:

   ,  ,

  , .

  The current speed is saved in the memory as the desired speed and displayed numerically in the speedometer.

Note: If the instrument cluster information center displays "Cruise Unavailable", it indicates that the camera unit cannot detect other vehicles in front of it or the ACC system conditions are not met.

Setting speed for adaptive cruise control

The adaptive cruise control system can be set to different speeds. After the adaptive cruise function is activated, the cruise speed can be changed using the buttons on the steering wheel.

- Change the saved speed by pressing RES+ or SET- on  on the steering wheel:

  – To change by +/-5 km/h, use short press: increase/decrease the speed by 5 km/h for each press.

  – To change by +/-1 km/h, press and hold the button and release it when the indicator in the driver side display shows the desired speed. The last pressed value is saved in the memory.

If the driver depresses the accelerator pedal before pressing the button on the steering wheel to accelerate, the speed saved when the button is pressed will become the vehicle speed, provided that the driver's foot is on the accelerator pedal at the moment when the button is pressed.

Using the accelerator pedal to temporarily increase the vehicle speed, for example, when overtaking, will not affect the set speed. When the accelerator pedal is released, the vehicle returns to the last saved speed.

Caution
The minimum speed setting for the ACC system is 30 km/h, and the vehicle speed lower than 30 km/h cannot be selected/saved.

Note: After the ACC is activated, use the accelerator pedal to increase the vehicle speed. The cruise control will not function during the period from depressing the accelerator pedal to releasing the pedal, and the instrument cluster information center will display "Accelerator In Use, Cruise Control Disabled".

Setting time interval for adaptive cruise control

The adaptive cruise control system can be set to different time intervals.

For the vehicle ahead, there are different time intervals to select from, which are displayed as 1 ~ 3 horizontal lines in the instrument cluster information center: the more lines, the longer the time interval. One line represents approximately 1.6 seconds from the vehicle ahead, and three lines represent approximately 2.4 seconds. The same symbol is also displayed when the distance warning function is enabled.

Note: When the front vehicle indicator is displayed, the ACC enables your vehicle to follow the vehicle ahead at a preset time interval.

After the adaptive cruise control is activated, the following distance can be set via the buttons on the steering wheel, which defaults to Level 3.

- Press the button on the steering wheel, and the following distance cyclically switches from Level 1 to Level 3.

  In some cases, the adaptive cruise control may allow the time interval to vary significantly so that the vehicle can smoothly and comfortably follow the vehicle in front. When the distance is short and the speed is low, the adaptive cruise control will slightly increase the time interval.

Caution
In case of any unexpected circumstances, the short time interval can only provide the driver with a short period of time to react and take action.

Note: The higher the vehicle speed, the longer the distance in meters at a given time interval.

Disabling/deactivating adaptive cruise control

The adaptive cruise control function can be temporarily disabled, set to standby mode and restarted at a later time, or directly turned off.

- Press the button on the steering wheel, and the "Adaptive Cruise Control (ACC) Indicator"  in the instrument cluster changes from green to white. The adaptive cruise control system is disabled and set to standby mode; the adaptive cruise control system is temporarily turned off and set to standby mode.
- Press the button on the steering wheel, and the adaptive cruise control function is completely turned off, the cruise control speed does not resume, and the display content about adaptive cruise control on the driver side display disappears.

Standby mode with driver's intervention

The adaptive cruise control function will be temporarily disabled and set to standby mode under the following conditions:

- Foot brake depressed

  Using the accelerator pedal to temporarily increase the vehicle speed, for example, when overtaking, will not affect the setting. When the accelerator pedal is released, the vehicle will return to the last saved speed.

Reactivate the cruise control system from standby mode

Press RES+ or SET- on 

on the steering wheel up or down, and the vehicle speed is set to the last saved speed.

Caution
Significant acceleration may occur after the speed is resumed by pressing the steering wheel buttons.

Auto waiting mode

The adaptive cruise control relies on other systems, such as ESP system. If the function of any system is disabled, the adaptive cruise control system will be automatically disabled.

In the case of automatic deactivation, a sound signal will be emitted and a message will be displayed on the driver side display. The driver must intervene to match the speed and distance of the vehicle ahead.

The causes of automatic disabling may be:

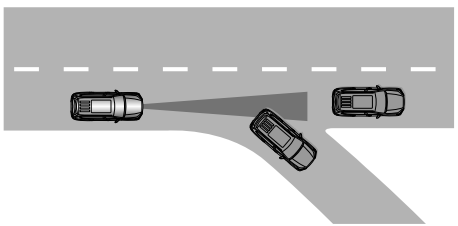
- The vehicle speed is lower than 30 km/h and the ACC is not sure whether "the vehicle ahead" is a stationary vehicle or other objects, such as speed bumps.
- The vehicle speed is lower than 30 km/h and the vehicle ahead turns, so the ACC no longer follows the vehicle ahead.
- The driver opened the door.
- The driver unfastened his/her seat belt.
- The engine speed is too low/too high.
- The tire lost its grip.

- The braking temperature is too high.
- The parking brake is used
- ESP function is activated.
- When the ESP is OFF (i.e. press the ESP OFF switch, the indicatoron the switch will illuminate, the ESP OFF indicator on the instrument pack will illuminate, and the ESP system will be turned off).
- The recognition ability of the camera unit is deteriorated under direct sunlight or head-on strong light.

Using ACC system to change target

The adaptive cruise control system has the function of changing targets.

Changing target



If the target vehicle ahead suddenly turns, the traffic ahead may be judged as stationary.

When the adaptive cruise control system follows another vehicle at a speed approximately more than 30 km/h and the target vehicle changes from a moving state to a stationary state, the adaptive cruise control system will ignore the stationary vehicle and select the saved vehicle speed instead. At this point, the driver must actively intervene and brake.

The adaptive cruise control system is deactivated and set to standby mode:

- When the vehicle speed is lower than 30 km/h and the adaptive cruise control system is not sure whether the target object is a stationary vehicle or some other object, such as speed bumps.
- When the vehicle speed is lower than 30 km/h and the vehicle ahead turns, the adaptive cruise control system will no longer follow the vehicle ahead.

ACC restrictions

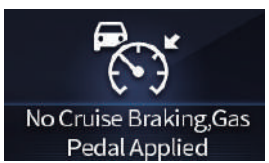
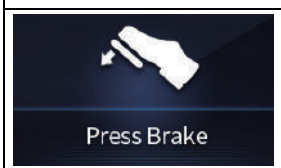
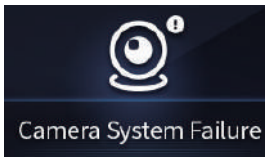
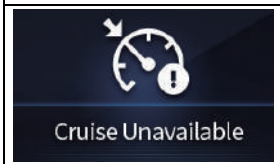
In some cases, the ACC will be restricted. Always keep in mind that adaptive cruise control is mainly used when driving on smooth roads. When driving with heavy loads on steep downhill roads, it may be difficult for the function to maintain the correct distance from the vehicle ahead. In these cases, be careful and prepare to brake at any time.

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.

ACC symbols and messages

The instrument cluster information center will display some symbols and messages related to the adaptive cruise control system.

Symbol	Message	Meaning
	Slightly depress the accelerator pedal or press RES+ on on the steering wheel up	The adaptive cruise control is re-activated from standby mode.
	Accelerator In Use, Cruise Control Fail	During the operation of adaptive cruise control, depressing the accelerator pedal to accelerate will automatically deactivate the cruising.
	Press the Brake	The vehicle needs driver's intervention.
	Camera System Failure	The system is not working properly. Please contact our Service Dealer for service.
	Cruise Unavailable	The system is temporarily unavailable.

Forward Collision Warning (FCW) and Automatic Emergency Braking (AEB)

The forward collision warning (FCW) function warns the driver of pedestrians, bicycles or vehicles in front of the vehicle with visual and audio signals. If the driver fails to take action within a reasonable period of time, the system will trigger the automatic emergency braking (AEB) function.

The FCW can prevent collision or reduce the collision speed, and can assist the driver when there is a risk of collision with pedestrians, cyclists or other vehicles.

The AEB is an auxiliary function, which can assist the driver in avoiding collision accidents in traffic jams, for example, in the case of accidents caused by changes in traffic ahead and lack of concentration. In case of imminent collision risk, this function can automatically brake the vehicle when the driver fails to apply the brake due to delayed response and/or bypasses obstacles, thus providing assistance to the driver.

The AEB activates short and sharp braking and stops the vehicle under normal conditions to allow your vehicle to be stopped just behind the vehicle in front. For most drivers, this is not a normal driving style and they may feel uncomfortable.

The AEB is enabled when the driver should start braking early, so it cannot assist the driver in all cases.

The AEB is designed to start as late as possible in order to avoid unnecessary intervention.

The driver or passenger usually only notices the function of AEB when the vehicle is about to collide.

The AEB can reduce the vehicle speed by up to 30 km/h to avoid collision with vehicle or bicycle in front of the vehicle.

If the speed difference is greater than 30 km/h, the AEB cannot automatically avoid collision. In this case, the driver needs to brake in advance to completely avoid collision.

The AEB should not be used as a reason for drivers to change their driving style at will. If the driver completely relies on the function of AEB to brake, a collision accident will occur sooner or later.

Enabling forward collision warning and automatic emergency braking

Set in Entertainment System Vehicle Settings → Driver Assistance.

The forward collision warning and automatic emergency braking system performs three steps in the following order:

1 Collision warning

First the driver is warned that a collision may be imminent. The FCW detects pedestrians, cyclists or vehicles that are stationary or traveling in the same direction as the driver's vehicle. When there is a risk of collision with pedestrians, cyclists or other vehicles, the vehicle will alert the driver through flashing "FCW/AEB warning light (yellow)"  , sound signal and tactile warning in the form of a light tap on the brakes. No tactile warning will be issued at a low speed, or during emergency braking or acceleration.

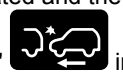
2 Braking support

If the collision risk has further increased after the collision warning is issued, auxiliary braking will be enabled. If the system determines that the braking force is not enough to avoid collision, auxiliary braking will be enabled to enhance the driver's braking force.

3 Automatic braking

The automatic braking function is finally enabled. If the driver still does not take collision avoidance actions while the collision risk is imminent, the automatic braking function will be triggered. This will happen whether the driver brakes or not. Braking occurs with maximum braking force in order to reduce collision speed or with limited braking force sufficient to avoid collision. When the AEB successfully avoids collision with stationary objects, the vehicle will remain stationary and the driver is expected to take active actions. If the vehicle is braked due to the slow speed of the vehicle ahead, the speed will be reduced to the same speed as that maintained by the vehicle ahead. The driver can interrupt the brake intervention at any time by depressing the accelerator pedal.

Caution
When the AEB brakes, the brake light turns on.

When the AEB function is activated and the brake is applied, "FCW /AEB warning light (Red)"  in the instrument cluster will turn on, accompanied with an audible warning, indicating that the function is activated or has already been activated.

The AEB is an auxiliary function that cannot work under all driving conditions, traffic, weather and road conditions. The warning is only activated when there is a high risk of collision. Before using the AEB, the driver should check the restrictions they need to know by referring to this section.

When the vehicle speed exceeds 60 km/h, the warning and braking intervention for pedestrians and cyclists will be deactivated. The automatic braking function of AEB can prevent collision or reduce collision speed. In order to ensure full braking performance, the driver should always step on the brake pedal, even when the vehicle is braked automatically.

The AEB will not activate the automatic braking function in case of heavy acceleration. The driver should always be responsible for maintaining the correct distance and speed, and never wait for the system to issue a collision warning or for the AEB to intervene.

Setting the sensitivity of forward collision warning

When the FCW is enabled, the sensitivity of this function can be set.

Set in Entertainment System Vehicle Settings → Driver Assistance.

Sensitivity determines the warning distance of the system and adjusts the distance from which the visual, acoustic and tactile warnings are triggered. If you think there are too many warnings, interfering with driving, you can reduce the sensitivity. This will cause system warnings to appear at a later stage, reducing the total number of warnings.

If there is a collision risk, the FCW will warn the driver; however, this function cannot shorten the driver's reaction time. To make the AEB function, it is recommended to always drive with the sensitivity set to High.

Even if the sensitivity has been set to High, the warning may be detected late in some cases, for example, when there is a large difference in speed or when the vehicle ahead suddenly brakes.

Any automatic system cannot ensure 100% normal operation under all conditions. Therefore, never drive towards people or vehicles when testing FCW/AEB, which may cause serious damage and injury or death.

Detecting obstacles through forward collision warning and automatic emergency braking

Obstacles that FCW/AEB detects include vehicles, bicycles and pedestrians.

Vehicle

FCW/AEB can detect most vehicles that are stationary or running in the same direction as the driver's vehicle. In order for FCW/AEB to detect vehicles at night, the front and rear lights of the vehicle must work and be clearly lit.

Cyclist

The best example of what FCW/AEB determines as a cyclist is as follows:

Clear body contour and bicycle contour.

To get the best performance out of the system, the system function of detecting cyclists shall receive as clear and accurate information as possible about the contours of the human body and the bicycle, which means that the bicycle, head, arm, shoulder, thigh, upper and lower bodies can be recognized in combination with standard human motion patterns.

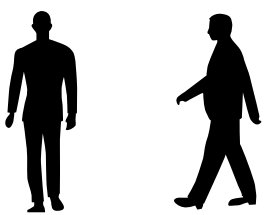
If the camera fails to capture the cyclist's body or a large part of the bicycle, the system cannot detect the cyclist. In order for this function to detect the cyclist, he/she must be an adult and ride an "adult bicycle".

FCW/AEB is an auxiliary function, which cannot detect: all bicycle users in all situations, or some bicycle users with blurred figure, such as cyclists with clothes covering the body contour and bicycles loaded with large goods.

The driver should always be responsible for driving properly and at the appropriate speed to maintain a safe distance.

Pedestrians

The best example of the system detecting pedestrians with clear body shape is as follows:



To get the best performance out of the system, the system function of detecting pedestrians shall receive as clear and accurate information as possible about the body shape, which means that the head, arm, shoulder, thigh, upper and lower bodies can be recognized in combination with standard human motion patterns.

In order for this function to detect pedestrians, pedestrians must be contrasted with the background, which may be affected by clothing, background and weather. If the contrast is low, the time when pedestrians are detected will be later or not detected at all, which means that the warning and braking will be delayed or not realized.

With the use of car headlights, FCW/AEB can also detect pedestrians at night.

FCW/AEB is an auxiliary function that cannot detect all pedestrians in all situations, for example, pedestrians who are partially shielded, whose figure is difficult to recognize owing to the clothes or whose height is less than 80 cm; pedestrians with poor contrast with the background, leading to delayed or absence of warning and braking intervention; pedestrians carrying large objects.

The driver should always be responsible for driving properly and at the appropriate speed to maintain a safe distance.

Restrictions on forward collision warning and automatic emergency braking

The FCW/AEB function may be limited under certain circumstances.

Surroundings

- Relatively low objects

  Low-hanging objects, such as flags/pennants for marking loads, or accessories higher than the hood, such as auxiliary lights and bumpers, will restrict this function.
- Slippage

  On slippery road surfaces, the braking distance will be extended, which may lead to a reduction in AEB's ability to avoid collision. Under these conditions, the anti-lock brake and electronic stability control will apply the best braking force and maintain a stable traveling.
- Head-on lights

  It may be difficult to notice the visual warning signal in the instrument cluster under strong sunlight, reflecting light or wearing sunglasses, or when the driver does not look straight ahead.
- Field of vision of camera unit

  The camera's field of vision is limited, so in some cases pedestrians, bicycles and vehicles cannot be detected, or the detection result is later than expected. In the dark of night, dirty vehicles may be detected later than other vehicles, and motorcycles may be detected later or not at all.

If a text message in the driver side display shows that the camera unit is blocked, FCW/AEB may not be able to detect the pedestrians, bicycles, vehicles or road markings in front of the vehicle. This means that the function of FCW/AEB may be degraded.

However, the error message is not displayed in all cases where the windshield sensor is blocked. Therefore, the driver must pay attention to keeping the windshield and the front area of the camera unit unobstructed.

Driver's intervention

- Reversing

  FCW/AEB is temporarily disabled when your vehicle is reversing.
- Low speed

  FCW/AEB will not be activated at very low speeds (less than 8 km/h), so the system will not intervene when your vehicle approaches the vehicle in front at very low speeds, for example, when parking.
- Driver's active behavior

  Driver commands always have priority. FCW/AEB will not intervene or delay warning/intervention if the driver turns and accelerates decisively, even if a collision may not be avoided. Active and conscious driving can delay collision warning and intervention time, thus minimizing unnecessary warnings. When the driver actively turns off the ESP (i.e. press the ESP OFF switch, the indicator on the switch will illuminate, the ESP OFF indicator on the instrument pack will illuminate, and the ESP system will be turned off), the AEB will not intervene.

If traffic conditions or external influencing factors prevent the camera unit from correctly detecting pedestrians, cyclists or vehicles, warnings and braking interventions may be delayed or not be implemented at all.

To be detected at night, the headlights and taillights must be on and extremely bright.

Due to darkness or poor visibility, the warning for stationary or slow-moving vehicles will be canceled.

When the vehicle speed exceeds about 60 km/h, the warning and braking intervention for pedestrians and cyclists will be off. When the vehicle speed exceeds about 100 km/h, the warning and braking intervention for vehicles will be off.

Do not place, paste or install anything inside or outside the windshield in front of or around the camera unit, otherwise it may interfere with the relevant functions of the camera.

FCW/AEB symbols and messages

The instrument cluster information center will display some symbols and messages related to the forward collision warning and automatic emergency braking system.

Symbol	Message	Meaning
	FCW System Off	FCW audible and visual alarms are off.
	AEB System Off	AEB function is off.
	FCW/AEB Warning	FCW yellow indicator flashes AEB red indicator turns on

Lane Departure Warning (LDW)

The lane keeping assist function is designed to assist the driver in reducing the risk of accidental lane departure on expressways or similar main roads under certain circumstances.

- Lane Departure Warning (LDW): to warn the driver by sound and light signals.

If the road markings are clearly visible and the vehicle speed is between 60~150 km/h, the lane departure warning function (LDW) can be enabled.

This function may not be available on narrow roads, in which case it will enter standby mode. This function will be available again when the road is wide enough.

LDW interface:

If the vehicle is about to cross the lane, the lane departure warning system will warn the driver by sound and light signals.

When the direction indicator is turned on, there will be no steering correction or reminder from the lane keeping assist system.

The lane keeping assist system is only a driver assistance function and cannot function under all driving conditions, traffic, weather and road conditions. Drivers should always bear the ultimate responsibility for ensuring safe driving of vehicles and abide by applicable laws and road traffic rules.

Lane keeping assist not intervene

In some cases, the lane departure warning system allows the vehicle to cross lane lines without enabling steering assist or issuing warnings. This happens when the direction indicator is operating or when the driver "is making" a sharp turn.

Under some harsh conditions, the lane departure warning system may be unable to properly assist the driver. In this case, it is recommended to turn off this function. Examples of such conditions are:

- The road is under construction.
- Poor road surface, unclear lane line, and road conditions with interference on the lane lines.
- A sharp curb or surface line rather than a lane line.
- A very "sporty" driving style.
- Working conditions in a tunnel.
- Winter road conditions.
- Severe weather with reduced visibility and sloping roads.

Enabling/Disabling lane departure warning system

Activating lane departure warning funciton

Set in Entertainment System Vehicle Settings → Driver Assistance.

Activating/Deactivating

The function can be activated or deactivated through the "Customize" switch of entertainment system or the LCW switch in the instrument cluster.

- Lane Departure Warning (LDW)

  Turn on the system, and the instrument cluster information center display interfaces are as follows:

  The lane lines on the display interface of instrument cluster information center is white, and the "LCW warning light"  is lit in white.

  If the vehicle speed is higher than 60 km/h, and the system detects the left or right lane line, the lane lines on the display interface of the instrument cluster information center will be

green, and the "LCW warning light" will be lit in green. At this point, if the vehicle deviates from the original lane line without turning on the turn signals, yellow warning light flashes, accompanied with buzzes, and the alarm interface of the lane departure warning system pops up in the display interface of instrument cluster information center, with the lane line that the vehicle leans towards flashing.

Setting the sensitivity of lane departure warning

When the LDW is enabled, the sensitivity of this function can be set.

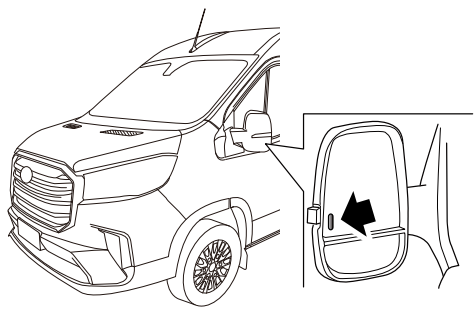
Set in Entertainment System Vehicle Settings → Driver Assistance.

Sensitivity determines the warning distance of the system and adjusts the distance from which the visual, acoustic and tactile warnings are triggered. If you think there are too many warnings, interfering with driving, you can reduce the sensitivity. This will cause system warnings to appear at a later stage, reducing the total number of warnings.

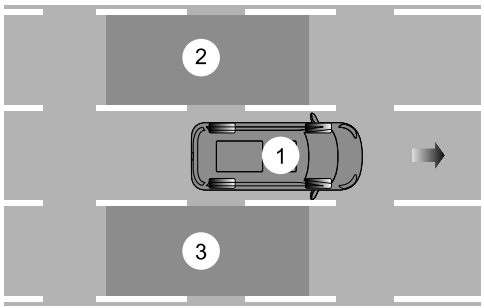
Blind Spot Detection (BSD)

The blind spot detection system is not always reliable. It is a supplementation to rather than a substitution for the safety driving practices and exterior mirrors.

The blind spot monitoring system warning lights are located on both exterior mirrors.



Monitored area



1 Main vehicle

2 Left adjacent area

3 Right adjacent area

Early warning mode

When there is a target vehicle in the left adjacent area ② or right adjacent area ③, the system will give the main vehicle a prompt and the warning light on the corresponding side will remain on.

When there is a target vehicle overtaking the main vehicle at a high speed in the left adjacent area ② or right adjacent area ③, the system will give the main vehicle a prompt and the warning light on the corresponding side will remain on.

Emergency warning mode

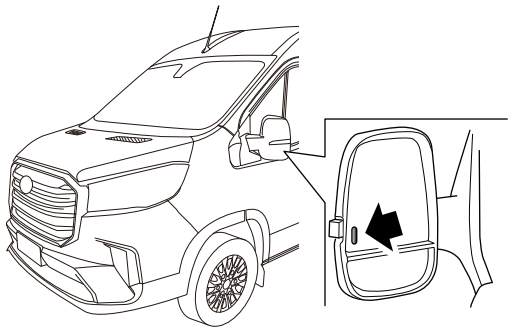
When there is a target vehicle in the left adjacent area ② or right adjacent area ③ and the main vehicle is intended to change the lane meanwhile, the system will give an early warning for the main vehicle and the warning light on the corresponding side will flash.

Note: The blind spot detection function will be enabled only when the vehicle speed is greater than 30 km/h and less than 120 km/h.

Note: The system only monitors a limited area beside the main vehicle, and cannot provide sufficient warning of the vehicles approaching the main vehicle from behind.

Lane Change Assistance (LCA)

The lane change assistance system warning lights are located on both exterior mirrors.

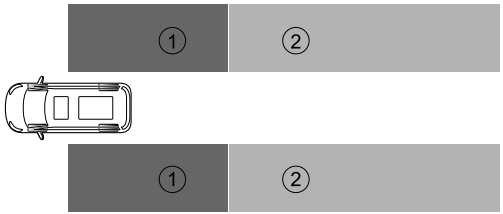


Blind spot detection

When the target vehicle enters the detection zone ①, the lane change assistance system warning light on the corresponding side will remain on.

If the turn signal on the corresponding side will be turned on at the moment, the lane change assistance system warning light will change to flash.

The scope of detection of Zone ① includes two subzones, each being 3 meters wide and running from the blind spot to 3 meters behind the rear of the vehicle.



Lane change assistance

When the target vehicle enters the detection zone ②, and rapidly approaches your vehicle, lane change could cause collision, the lane change assistance system warning light on the corresponding side will remain on.

If the turn signal on the corresponding side will be turned on at the moment, the lane change assistance system warning light will change to flash.

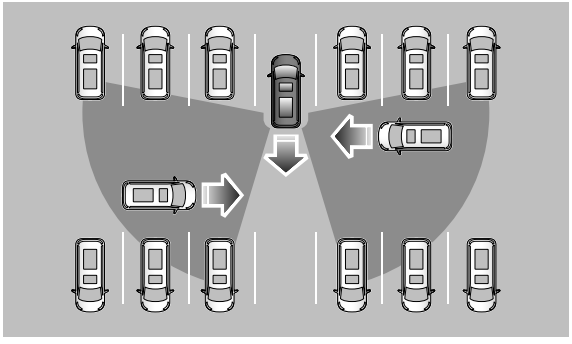
The scope of detection of Zone ② includes two subzones, each being 3 meters wide and running from 45 meters behind the rear of the vehicle.

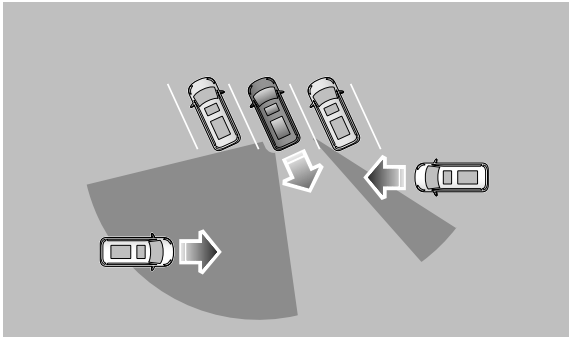
Note: The functions of blind spot detection and lane change assistance can be activated only when the vehicle speed is greater than 30 km/h.

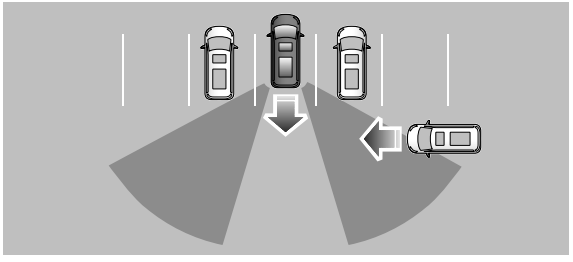
Rear Cross Traffic Alert (RCTA)

The lane change assistance system warning lights are located on both exterior mirrors.

If the target vehicle enters the detection zone (which includes two subzones, being 20 meters each and located to left and right of your vehicle) while your vehicle is reversing, collision could occur, and the lane change assistance system warning light on the corresponding side will flash.







Note: The function of vehicle detection while reversing can be activated only when the speed of target vehicle is 10 to 30 km/h and the speed of your vehicle is less than 10 km/h.

Tires

DEFECTIVE TIRES ARE DANGEROUS!

Do NOT drive your vehicle if any tire is excessively worn or damaged, or is inflated to an incorrect pressure.

Do NOT overload vehicle.

Incorrect tire inflation pressures or an unbalanced wheel and tire assembly can seriously affect the stability, especially when driving with high payloads or at high speeds. Under-inflation will increase rolling resistance, increase fuel consumption and accelerate tire wear, resulting in tire damage, even an accident.

Always drive with consideration for the condition of the tires; the most common causes of tire failure are:

- Bumping against kerbs.
- Driving over deep pot holes.
- Tire under-inflation or pressure overload during driving.

Uneven tread wear can be caused by faulty wheel alignment.

See “Tires” in Maintenance and Service section.

Winter tires

The vehicle speed shall not exceed the maximum allowable speed of the installed winter tires, otherwise the tires may suddenly lose pressure, delaminate, or even burst, which may easily cause accidents!

Be sure to adjust the speed according to the specific climate, roads and traffic conditions. Do not take risks by taking advantage of the anti-skid performance provided by winter tires and beware accidents!

Winter tires can improve the handling stability and braking performance of the vehicle when driving in a low temperature environment or on icy roads. It is suggested that winter tires should be used when the temperature is lower than 7℃.

When a vehicle is running under winter road conditions, winter tires can greatly improve the handling stability and braking performance. Non-winter tires have poor skid resistance at low temperatures or on icy roads due to their structure (tire width, rubber composition, pattern type, etc.).

It is recommended to use winter tires of the same size and load index as that of the original tires, and all the four wheels shall use winter tires.

When the tread depth of winter tires is worn to 4mm, the skid resistance will decrease obviously.

The maximum allowable speed of winter tires shall be subject to the speed code on the tires.

Speed symbol	Maximum speed (km/h)
C	60
D	65
E	70
F	80
G	90
J	100
K	110
L	120
M	130
N	140
P	150
Q	160
R	170
S	180
T	190
H	210
V	240
W	270
Y	300

When the temperature rises above 7℃, it is recommended to replace winter tires with non-winter tires.

Anti-skid chain

When driving a vehicle in the snow, it is recommended to apply S anti-skid chain to the driving wheels.

The anti-skid chain could increase the traction when driving on roads in winter. If you want to install the anti-skid chain, please remember that:

1 Not all wheels and tires are suitable for an anti-skid chain. When installing anti-skid chains, only approved tire size can be used.

2 Install anti-skid chains on the drive wheels. Please follow the instructions of anti-skid chain manufacturer.

It is just in the snow that you can drive the vehicle at maximum speed allowed by the anti-skid chain. Please comply with the regulatory requirements of the resident country. Remove the anti-skid chain immediately when driving on the snow-free road.

Loading

Each driver is obliged to ensure his vehicle is free of overload.

Note: The maximum allowable total mass 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" in General Technical Parameters section.

Load carrying

Goods shall be placed between both axles and neither deviate to the front axle loading area nor the rear axle loading area. Heavier goods shall be distributed evenly, and the heaviest goods shall be placed between both axles.

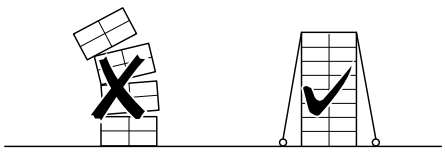
Hazardous loads

There is a legal requirement to display a specific type of external warning sign on the vehicle if certain hazardous goods are being carried.

Load restraint

Secure all loads in the vehicle to prevent personal injury due to movement of loads.

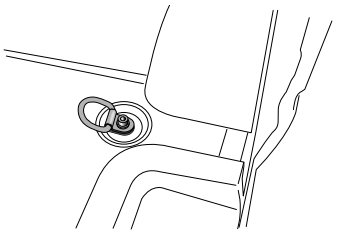
Note: The driver is obliged to ensure all goods have been fixed correctly.



Load restraint assemblies

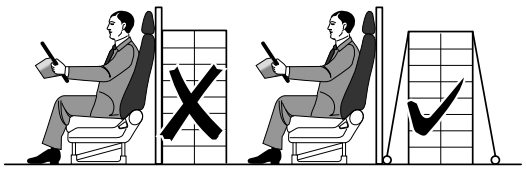
Load restraint assemblies, when installed, will stand out from the vehicle floor. To prevent people from tripping, it is recommended that they be removed when not needed.

Holes of load restraint assemblies are pre-set on the van floor. Qualified load restraint assemblies can be purchased and installed from Our Service Dealer.



Partition

As the full partition is not designed to restrain loads, loads shall be secured properly against movement even with a partition installed.



Trailer towing

Instructions of trailer towing

The vehicles are designed for use primarily as a passenger and load bearing vehicle. Towing a trailer may create adverse effects on a number of factors including fuel consumption, handling, durability, performance and braking. We recommend for the safety of yourself, your passengers and others that the vehicle and trailer is not overloaded.

The warranty does not cover any damages caused by or relating to towing a trailer.

- Weight limits

  Establish that gross vehicle weight, trailer tow ball down load, trailer weight and axle weights are all in accordance and not exceeding their individual limits.
- Gross vehicle weight

  Please refer to your vehicles data label for reference on what gross vehicle weight must not be exceeded.

  Gross vehicle weight is the combined weight total of the trailer towbar, unloaded vehicle, driver, luggage and passengers. This also includes the weight of any accessories or equipment added to the vehicle.

Front end accessories such as bull bars, lights, winches etc. may restrict air flow to the vehicles cooling system. When the vehicle is under load, especially when towing, restricted air flow to the cooling system may decrease the efficiency of the radiator and intercooler as well as increase operating temperatures of the engine and transmission. To prevent engine damage the vehicle ECU will cut power to the engine to allow it to cool down before internal damage can occur (also known as Limp Mode). Any damage caused by or relating to the fitment of aftermarket accessories will not be covered by factory warranty.

Instructions before use

- The state specific trailer towing regulations must be followed.
- The vehicle speed should not exceed 100 km/h. The vehicle speed should not exceed 70 km/h when changing lanes or steering.
- It is only applicable to center axle trailers, and the load specified in "Recommended towing weight" shall not be exceeded when towing trailers.
- When a new vehicle has been driven or a vehicle has had powertrain parts (Engine, transmission, front and rear axle) changed to new parts, it is recommended not to tow a trailer until the driving distance reaches 800 km.
- Place the load as close as possible to the trailer axle, fix it securely and place it as low as possible, while ensuring

that the towing weight and the load allowed by the tow ball are not exceeded (Refer to "Recommended towing weight" for details). For best stability of the trailer in an unladen vehicle, place the load in the trailer towards the nose within the maximum nose load (Refer to "Recommended towing weight" for details), as this gives the best stability.

- The specified trailer loads are only applicable to an altitude less than 1,000 m. As the air density decreases with the altitude increase, causing the engine output and grade ability to drop, the total mass must be reduced by 10% when the altitude increases by 1,000 m.
- The tires of towing vehicle shall be adjusted to the specified pressure, and the pressure of trailer tires shall also be checked, and on the rear tire pressure, at least 20kPa(0.2bar) above the tire pressure as recommended for normal use(i.e. without a trailer attached).
- If the traffic conditions behind the trailer are invisible through the standard outside rear view mirrors, two additional rear view mirrors must be installed on the reversible boom and adjusted to ensure sufficient rear view at any time.
- The headlamps shall be checked and adjusted if necessary after a trailer is hitched up.
- Always use a safety chain that is suitable for your vehicle and trailer. Have the safety chain passing through the hole at the lower part of the hitch and attach it to the trailer. The safety chain will prevent the trailer from dropping to the ground in the event that the hitch disengages. For proper use and installation, consult the trailer manufacturer.

Instructions for driving

- Before driving, check all the safety equipment to ensure safe operation. Ensure that the vehicle is properly maintained to avoid mechanical failure.
- Avoid non-loaded towing vehicle and loaded trailer as much as possible when driving. If it is inevitable, drive at low speed due to improper load distribution.
- As the driving stability of towing vehicle and trailer drops with the speed increase, the speed shall be as low as possible without exceeding the specified speed limit under the improper road, weather and strong wind conditions, especially when driving on a slope.
- When the trailer sways, grip the steering wheel firmly to drive straightforward, and release the accelerator pedal to decelerate the vehicle slowly. Do not attempt to eliminate sway by turning the steering wheel or by emergency braking. The higher the speed, the stronger the trailer swaying. If the sway is still not eliminated after deceleration, stop the vehicle to check if the trailer weight distribution is even and the trailer device is installed securely.
- Under any conditions, the vehicle must be decelerated immediately once minor sway is noticed on the trailer, and never try to eliminate the sway through acceleration.
- If an inertia brake is installed on the trailer, first brake slowly and then brake rapidly when braking is required. This can avoid braking impact due to trailer wheel locking. When driving on a slope, shift to a lower gear immediately to make full use of engine braking action.

- Engine protection mode

  The engine has an engine protection mode to reduce the chance of damage if the coolant temperature becomes too high (for example, when climbing up a long or steep grades in high temperature (at temperature over 30℃) with heavy loads, such as when towing a trailer). When the engine temperature reaches a certain level:

  1 The engine coolant temperature gauge will move toward the H position.

  2 Engine power may be reduced.

  3 The air conditioning cooling function may be automatically turned off for a short time (the blower will continue to operate).

  Engine power and, under some conditions, vehicle speed will decrease. Vehicle speed can be controlled with the accelerator pedal, but the vehicle may not accelerate at the desired speed.

  As driving conditions change and engine coolant temperature is reduced, vehicle speed can be increased using accelerator pedal, and the air conditioning cooling function will automatically be turned back on.

Overheating can result in reduced engine power and vehicle speed. The reduced speed may be lower than other traffic, which could increase the chance of a collision. Be especially careful when driving. If the vehicle cannot maintain a safe driving speed, pull to the side of the road in a safe area. Allow the engine to cool and return to normal operation.

Recommended towing weight

Towing capacity

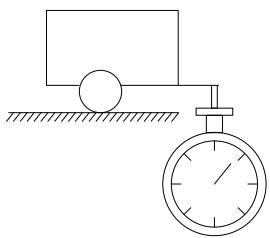
Drive	Type	GVW (kg)	Gearbox	Emission	CVW (kg)	Payload (kg)	ATM(braked trailer) (kg)	GTM (kg)
RWD	VAN	4000	6MT	Euro V	2330	1670	2800	6000
RWD	VAN	4000	6MT	Euro V	2360	1640	2800	6000
RWD	Minibus	3800	6AT	Euro V	2590	1210	2500	5500
RWD	Minibus	4050	6AT	Euro V	2740	1310	2500	5500
RWD	Minibus	4050	6AT	Euro V	2760	1290	2500	5500
RWD	Minibus	4050	6AT	Euro V	2705	1345	2500	5500
RWD	Minibus	4050	6AT	Euro V	2725	1325	2500	5500
RWD	VAN	3800	6AT	Euro V	2300	1500	2800	6000
RWD	VAN	4000	6AT	Euro V	2360	1640	2800	6000
RWD	VAN	4000	6AT	Euro V	2380	1620	2800	6000
RWD	CAB	4495	6MT	Euro V	2010	2485	2800	6000
RWD	CAB	4495	6AT	Euro V	2040	2455	2800	6000
RWD	CAB	4495	6MT	Euro V	1990	2505	2800	6000
RWD	CAB	4495	6AT	Euro V	2020	2475	2800	6000

Caution

The sum of gross vehicle weight (GVW) and aggregate trailer mass (ATM) shall not exceed the specified gross train mass (GTM) of the vehicle. There are two rows of installation holes in the flange ball of the trailer device. The first row of installation holes is suitable for vehicles with a full load mass of 4000 kg or more, and the second row of installation holes is suitable for vehicles with a full load mass of 4000 kg or less. ATM(unbraked trailer) is 750 kg.

Trailer nose weight

Caution
Never exceed the maximum allowable nose weight, such as the vertical weight on the ball of the trailer. This is very important for the stability of the vehicle and trailer. The technically permissible maximum nose weight shall not be less than 4% of ATM and not be less than 25 kg. The maximum nose weight is ≤10% *ATM.



Variant	Maximum nose weight
All models	350 kg

Installation of trailer device

The standard A50-X ball is used in the trailer device. Users can match and install the corresponding trailer according to their needs. If you need to install trailer devices, please contact our Service Dealer.

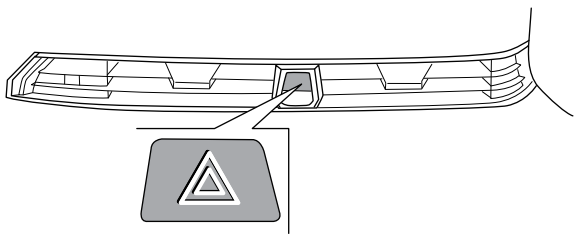
Maintenance

If the vehicle is often used to tow a trailer, additional maintenance shall be made in the maintenance intervals to ensure continuous satisfaction for the vehicle.

Emergency Troubleshooting

Hazard light

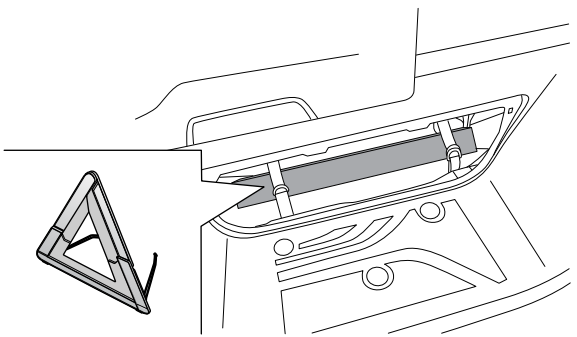
When your vehicle needs to stop or slow down, press hazard light switch ⚠ to light on "direction indicator (green)" on the instrument cluster and flash all direction indicators, warning others and making the police know you are in trouble.



Warning triangle

The warning triangle is placed in the storage box at the right front stepwell of the vehicle.

If you have to pull the vehicle over, you need to place a warning triangle about 100m right behind the vehicle to warm other vehicles incoming.



First aid kit

Note: Please refer to the actual vehicle configuration your purchased.

First aid kit is stowed in the glove box.

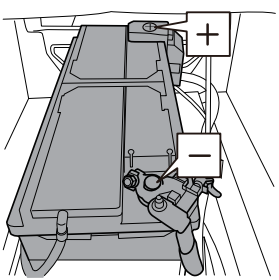
Jump start

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.

The battery is located under the driver seat. To disconnect the battery, disconnect the negative (-) earth terminal first and then positive (+). Connect battery, install and secure positive cable (+) first and then negative (-) cable. Smear the terminals with petroleum jelly.



Caution
• Before disconnecting the battery, always shut down the engine and all electrical appliances for more than 2 minutes. While disconnecting, never allow the terminal to contact 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.

Jump start

Never pull or tow the vehicle to start.

Ensure the rated voltage of two batteries is the same (12 V) and the jumper cable is acknowledged as the cable used for 12V vehicle battery.

Jumper

- Pull two vehicles together as possible.
- Shut down the engine and all electric equipment immediately.
- 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 need to be powered.
- Ensure all connection mechanisms are well connected.
- Check that the jumper cable is clear of any moving parts when the engine starts.
- Check that the handbrakes of the two vehicles are applied and gear lever is in N or P position.

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.
- Allow the engine to idle for 2 minutes and above after started.

Note: If it fails to start after several attempts, the vehicle may need maintenance.

Disconnecting

- Shut down the engine of the vehicle that supplies power.
- Ensure the cable terminals shall not contact with each other or any moving parts of the engine while disconnecting.
- Remove the jumper cable. Removal is the reverse of connection.

Caution
Before removing the jumper cable, never turn on any electrical device of the vehicle started. Common-rail electronically controlled engines do not allow traction starting.

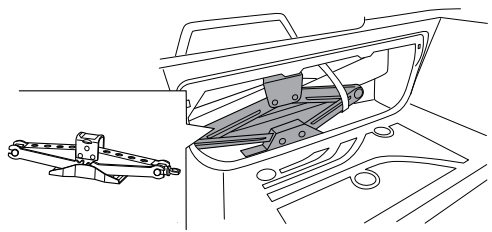
Replacing wheel

Jack

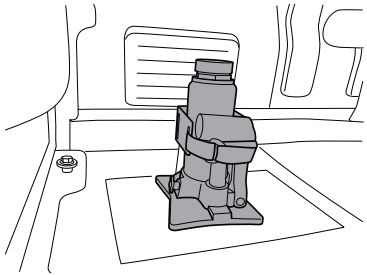
Note: The type and location of the jack shall be subject to the actual configuration of the vehicle you purchased.

Location

In single-tire models, the jack and the vehicle tool are placed in the storage box at the right front stepwell of the vehicle.



In dual-tire models, the jack is placed under the front occupant seat. The vehicle tool is placed in the storage box at the right front stepwell of the vehicle.



Specification

This jack is just for replacing wheel. Never use it for others.

This jack is just for your vehicle and never uses it for other models.

Spare tire

Check the pressure of spare tire regularly. Using spare tire of incorrect pressure shall influence wheel stability, which may cause danger and permanent damage to the wheel.

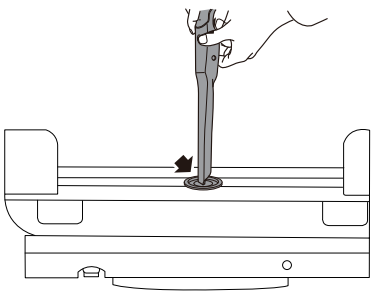
The spare tire is mounted at the rear bottom of the body; the wheel nut wrench and the auxiliary rotating extension bar for spare tire removal in the vehicle tool kit can be used to rotate the pillar bolt of drive mechanism, thus releasing or tightening the rope for the spare tire to achieve the function of spare tire replacement.

Removing spare tire

1 Take out the vehicle tool.

2 Release the spare tire bolt cap with the wheel nut wrench.

- Non-chassis cab models

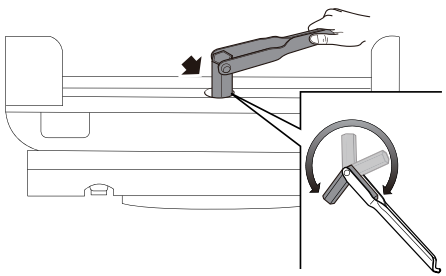


Note: There is no blanking cap in chassis cab models.

3 Lower the spare tire.

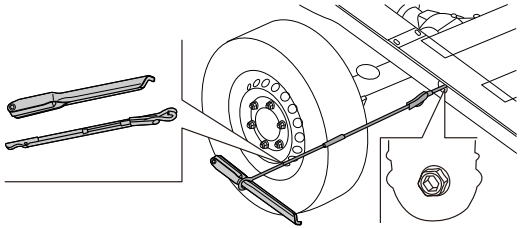
- Non-chassis cab models

  Insert the wheel nut wrench into the spare tire loading/unloading hole, and turn the wheel nut wrench counterclockwise to lower the spare tire until the spare tire reaches the ground.



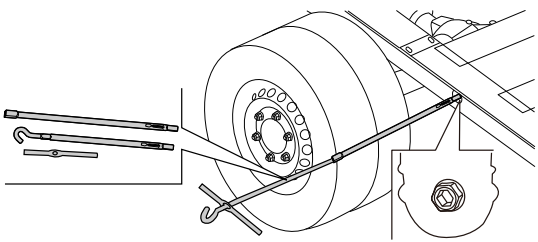
- Chassis cab models (single-tire)

  Connect the auxiliary rotating extension bar for spare tire removal and the wheel nut wrench, insert the auxiliary rotating extension bar into the spare tire mainshaft bolt groove in the longitudinal beam next to the rear left wheel, and turn the wheel nut wrench counterclockwise to lower the spare tire until the spare tire reaches the ground.



- Chassis cab models (dual-tire)

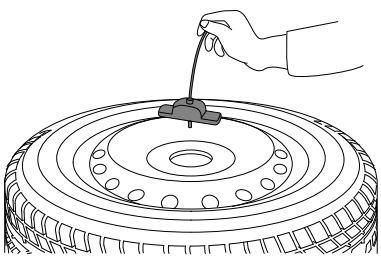
  Connect the auxiliary rotating extension bar for spare tire removal, insert the auxiliary rotating extension bar into the spare tire mainshaft bolt groove in the longitudinal beam next to the rear left wheel, and turn counterclockwise to lower the spare tire until the spare tire reaches the ground.



4 After the spare tire reaches the ground, continue to turn the wheel nut wrench counterclockwise and pull out the spare tire. Excessive rotation of the wrench is prohibited, or the spare tire will be damaged.

Caution
After the spare tire is lowered to the ground, the wire rope comes into the state of no load. Continue to turn the wheel nut wrench counterclockwise, and pull out the spare tire to tense the wire rope every 8 to 10 turns so as to avoid wire rope stagnation.

5 Remove the tray from the spare tire.



Caution
Be sure to fully lift and tighten the spare tire after the replacement. For steel wheel models, the replaced wheel can be placed at the spare tire position. Since the tire is damaged and flat, it may not be securely fastened. If the replaced wheel is not placed back to the spare tire position, and the wire rope is retracted under no-load condition, it may be easily to cause the wire rope to stagnate in the next use, thus leading to the failure to lower the spare tire smoothly. Therefore, it is necessary to have a person under the vehicle keep pulling the spare tire, to avoid wire rope stagnation. For aluminum wheel models, the replaced main tire cannot be placed back to the spare tire position. Please temporarily put it in the compartment and contact our Service Dealer for the repair of the damaged main tire.

Storing spare tire

1 Put the spare tire on the ground, with the tire valve up (be careful not to reverse it).

2 Place the spare tire under the rear of the vehicle, place the spare tire tray in the center of the rim, and adjust it to the proper position to make it tightly connected to the spare tire.

3 Turn the wheel nut wrench clockwise until a click sound is heard, indicating that the spare tire is installed in place.

Caution
After securing the wheel, check whether the wheel is installed firmly. If the wheel is loose, it may fall off owing to vibration and cause an accident.

4 Fasten the spare tire bolt cap.

Replacing tire

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 safety.

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.

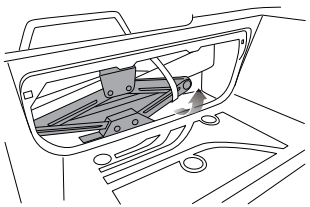
Front wheels must be straight-ahead.

While shutting down the engine, pull the handbrake handle to apply the handbrake, and shift the lever to 1/R position (MT) or P position (6AT).

Taking out jack

Single-tire models

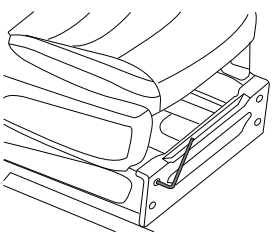
Turn the rotary switch of the jack in the storage box at the front right stepwell of the vehicle to lower the jack to its lowest position and then take it out with the vehicle tool kit.



Dual-tire models

- Type 1

  For the models with jacks located under the front occupant single seat, use the L-shaped wrench to remove the seat front frame baffle before taking the jack out.

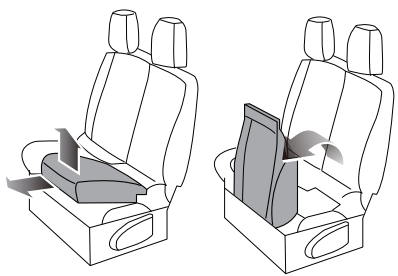


- Type 2

  For the models with jacks located under the unbaffled front occupant dual seat, release the strap directly to take the jack out.

- Type 3

  For the models with jacks located under the baffled front occupant dual seat, lift the front of the cushion and pull it forward, then turn the rear end forward and release the strap from the rear to take the jack out.



Positioning jack

Only use jack at specified jacking points. The lifting height shall not be more than the height necessary for tire replacement (such as 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.

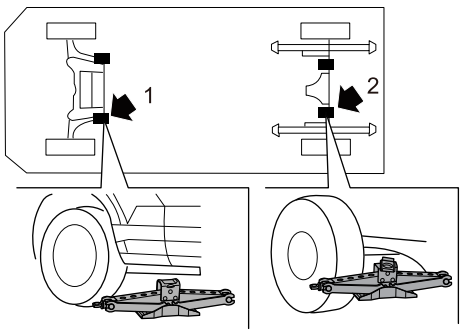
The jack shall be perpendicular to the vehicle body while lifting.

Set jacking points near the wheel to be replaced. Position the jack directly on the firm and level ground under the jacking points, apply the jack auxiliary rotating extension bar and wheel nut wrench and turn until the jacking head enters the jacking point.

Single-tire models

The jacking point for the front wheel is at the bolt head of subframe and swing arm (1).

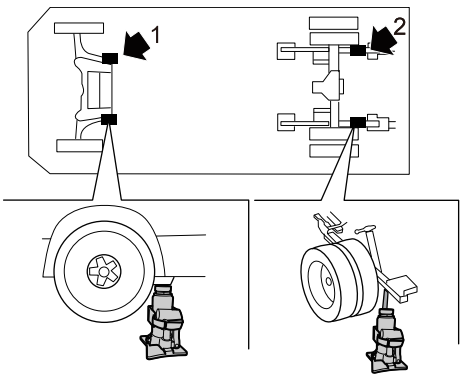
Jacking point for the rear wheel: with the jacking head turned by 45 degrees, the jacking point for RWD models is at the rear axle (2).



Dual-tire models

The jacking point for the front wheel is at the bolt head of subframe and swing arm (1).

The jacking point for the rear wheel is at the leaf spring, about 200 mm away from the rear axle tube (2).



Replacing with spare tire

During the lifting, do not start the engine. Never get under the lifted vehicle.

Before removing the wheel nut, make sure the vehicle is stable and will not slide or move.

Torque wrench shall be used to check exact tightened torque of wheel nuts and tire pressure as soon as possible after replacing the wheel.

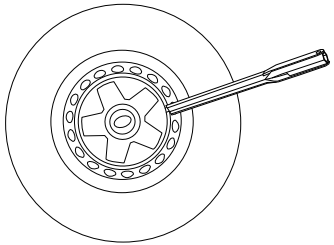
Replaced wheel, jack and vehicle tool kit must be stored in specified location. Otherwise they may cause damage or personal injury during impact or heavy braking if casually or improperly placed.

1 Remove the spare tire (See “Spare tire” in this section).

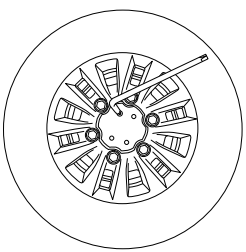
2 Check the jack is still perpendicular to the jacking points; Change position when necessary.

3 Slacken the wheel securing nuts counterclockwise with the wheel nut wrench in the vehicle tool kit, and remove the wheel securing nuts and wheel trim cover.

- For models configured with single tire center trim cover: before removing the wheel securing nuts, pry the wheel trim cover off with one end of the wheel nut wrench.

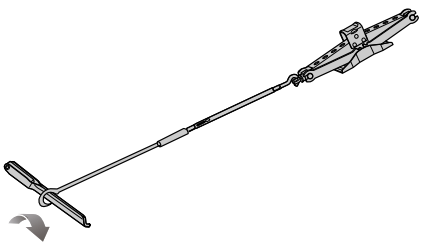


- For models configured with dual-tire front wheel center trim cover: connect the wheel nut wrench with the wheel nut wrench extension bar to slacken the wheel securing nuts.
- For models configured with dual-tire rear wheel full trim cover: firstly, pry the rear wheel center trim cover off with one end of the wheel nut wrench; secondly, remove the full trim cover with an L-shaped wrench; finally, connect the wheel nut wrench with the wheel nut wrench extension bar to slacken the wheel securing nuts.

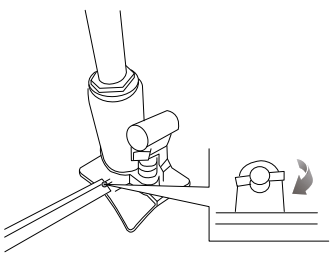


4 Lift the vehicle with the jack.
   - Type 1

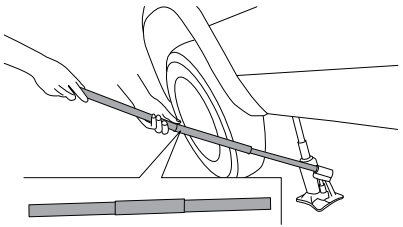
     Install the auxiliary rotating extension bar and turn the wheel nut wrench clockwise until the wheel to be replaced is just off the ground.



   - Type 2
     – Tighten the exhaust rotary switch on the jack clockwise.



– Install the auxiliary rotating extension bar and press the extension bar down until the wheel to be replaced is just off the ground.

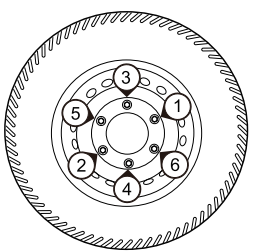


5 Carefully remove the wheel.

6 Replace with the spare tire and secure wheel nuts clockwise.

7 Lower the vehicle body and remove the jack.

8 Thoroughly tighten the wheel securing nuts in the diagonal sequence (as shown), with the wheel nut torque of 180±18Nm (single-tire) or 200±20Nm (dual-tire).



9 Install the wheel trim cover in the opposite way.

Note: For models configured with dual-tire rear wheel full trim cover, tighten the trim cover with the L-shaped wrench, with the tightening torque of 10Nm.

10 Put away the replaced wheel, wheel nut wrench, jack and vehicle tool kit.

Caution
Be sure to fully lift and tighten the spare tire after the replacement. For steel wheel models, the replaced wheel can be placed at the spare tire position. Since the tire is damaged and flat, it may not be securely fastened. If the replaced wheel is not placed back to the spare tire position, and the wire rope is retracted under no-load condition, it may be easily to cause the wire rope to stagnate in the next use, thus leading to the failure to lower the spare tire smoothly. Therefore, it is necessary to have a person under the vehicle keep pulling the spare tire, to avoid wire rope stagnation. For aluminum wheel models, the replaced main tire cannot be placed back to the spare tire position. Please temporarily put it in the compartment and contact our Service Dealer for the repair of the damaged main tire.

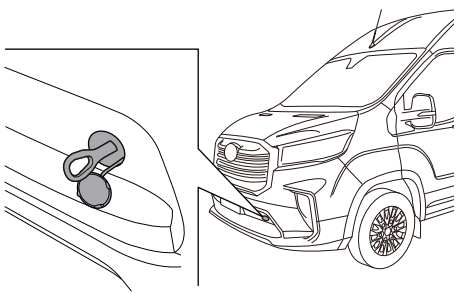
Towing vehicle

While towing or being towed, relative national regulations about vehicle towing shall be abided by.

Towing hitch

Front towing hitch

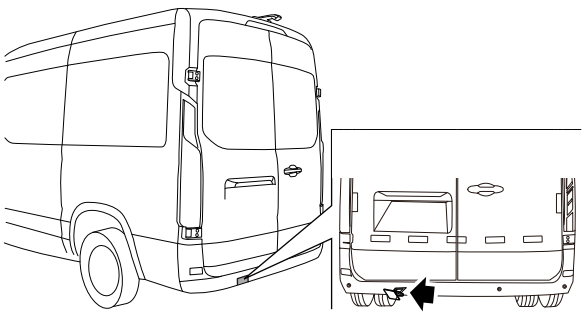
If this vehicle is to be towed from the front, tighten the towing hitch to the left side of front bumper. This towing hitch is placed in the vehicle tool kit.



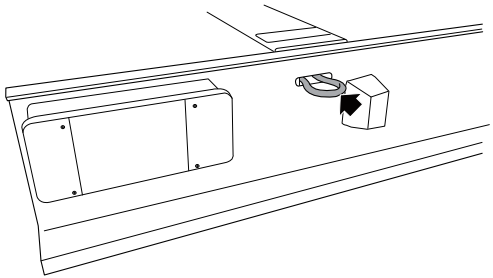
Rear towing hitch

Towing hitch in the rear of the vehicle can be used to tow other vehicles from behind. Before use, remove the plastic cap of the towing hitch.

Type 1



Type 2



Caution
The maximum weight the towing hitch can bear is 1/2 GVW. Do not tow the vehicle with a weight more than this value.

Towing

Before towed

To ensure the steering gear can rotate freely, turn the ignition switch to "ON" position and keep it in this position during towing process. This is to ensure the steering is unlocked, and the direction indicators and brake lights can operate.

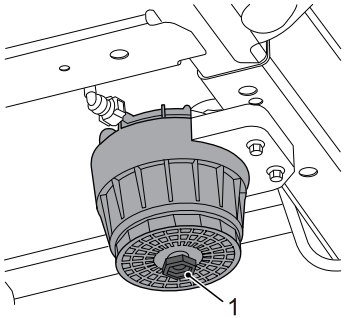
Being towed

When the vehicle is being towed, release the handbrake and engage N.

There is no brake booster assist or power steering assist when the engine is not running. In this case, it needs to operate the brake pedal with more force and rotate the steering wheel for longer time and more force.

Caution
The driving distance may not exceed 50 km and the towing speed should not be more than 50 km/h when towing a vehicle, or else the transmission may be damaged. Do not carry out towing in reverse or it will damage the planetary gear mechanism in the transmission.

Draining fuel filter



Be sure to wear proper gloves to protect hands from diesel.

Drain water according to the following steps:

1 Turn the ignition switch to "LOCK" position.

2 Place a suitable container under the fuel filter drain bolt and unscrew the bolt (1) with an appropriate tool.

3 If clean diesel flows out, re-tighten the drain bolt (1), with the tightening torque of 2 ~ 2.5 Nm.

4 Start the engine. "Fuel filter water level warning light (yellow)" shall go out after about 2 seconds. Check the filter for fuel leakage.

Caution
If "fuel filter water level warning light (yellow)" in the instrument cluster illuminates while 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.

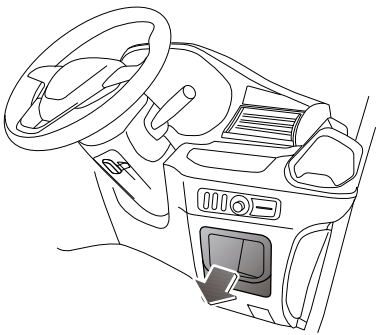
Replacing fuse

Fuses of this vehicle are located in the driver compartment fuse box, front compartment fuse box and the battery fuse box respectively.

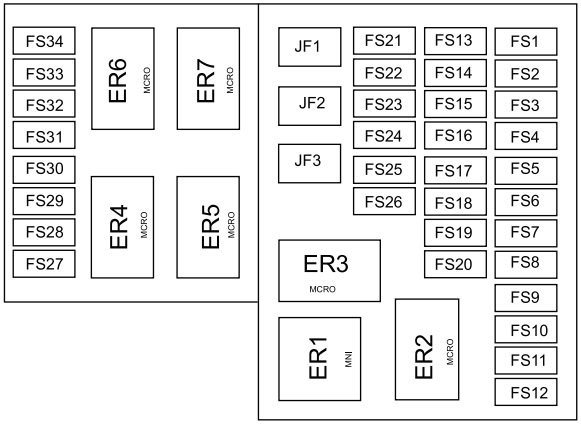
Caution
Spillage of liquid to any electric components in the vehicle may damage the components, so it is required to cover any electric components. The content of the fuse specification list according to the vehicle configuration and technical status will be constantly updated, please refer to actual state of your vehicle.

Driver compartment fuse box

The driver compartment fuse box is located at the lower left side of the steering wheel. Fuse can be accessed by just removing the cover of driver compartment fuse box.



Fuses in driver compartment fuse box can be identified with labels printed on the back of fuse box cover.



Specification

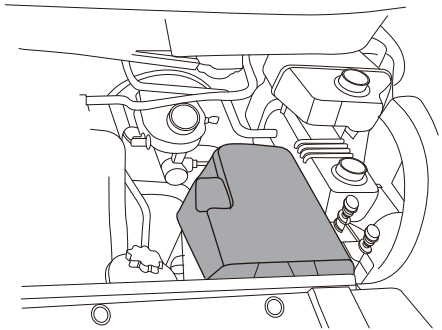
Code	Specs	Function
JF1	60A	Reserved
JF2	40A	Reserved
JF3	30A	Reserved
FS1	10A	A/C Control Panel, Parking Heater Switch
FS2	10A	Lane Departure Warning, Event Data Recorder, Tire Pressure Monitoring Module, Rear View Camera
FS3	7.5A	Mobile Phone APP
FS4	5A	Rain, Solar Sensor, Light Sensor
FS5	5A	Internet of Vehicles
FS6	10A	Transmission Shift Lever
FS7	5A	Ignition Switch, Immobilizer Coil
FS8	5A	Reserved
FS9	10A	Rear Heater Blower Feedback
FS10	10A	Rear Blower Feedback
FS11	25A	Reserved
FS12	15A	Keyless Entry System
FS13	5A	Lane Departure Warning, Rear View Camera, Antenna Module KL15
FS14	5A	Engine Control Module KL15
FS15	5A	Electric Power Steering KL15
FS16	10A	Airbag Control Unit KL15
FS17	10A	Instrument, Gateway, Keyless Entry System KL15
FS18	5A	ABS, ESP, Steering Angle Sensor KL15
FS19	10A	AT/AMT Transmission Shift Lever KL15
FS20	10A	Front/Rear A/C Control Panel, Headlamp Leveling Switch, Center Console Switch, DC Stabilizer, Towing Module, Parking Sensor KL15
FS21	10A	Blower Feedback Signal

Code	Specs	Function
FS22	10A	Rearview Mirror Heater
FS23	10A	Data Link Connector (DLC)
FS24	10A	Rearview Mirror Control, On-board Inverter, Towing Module, Radio, Event Data Recorder, Front Blower, Rear Blower, PEPS ACC
FS25	15A	Cigar Lighter ACC
FS26	10A	Gateway, Body Control Module, Transmission Control Module ACC
FS27	/	Reserved
FS28	/	Reserved
FS29	/	Reserved
FS30	/	Reserved
FS31	/	Reserved
FS32	/	Reserved
FS33	/	Reserved
FS34	/	Reserved
ER1	/	Rear Blower Relay
ER2	/	IG1 Relay
ER3	/	ACC Relay
ER4	/	Rear Defrost Relay
ER5	/	Reserved

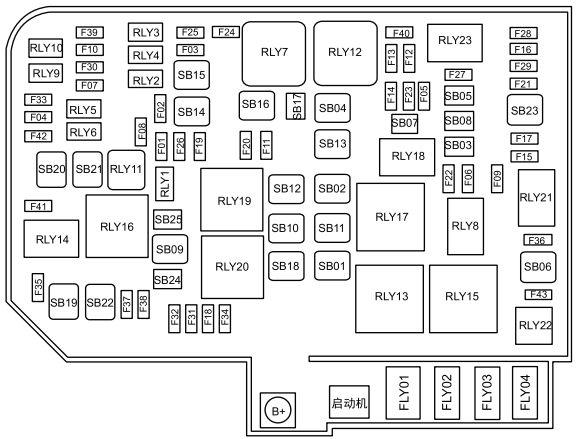
Code	Specs	Function
ER6	/	Reserved
ER7	/	Reserved

Front compartment fuse box

The front compartment fuse box is located at the right of compartment wall at the hood bottom (viewed from the front of vehicle).



Fuse can be accessed by just removing the cover of front compartment fuse box. Fuses in the front compartment fuse box can be identified by the label printed at the back of the fuse box cover.



Specification

Code	Specs	Function
FLY01	250A	Alternator
FLY02	100A	Electric Power Steering
FLY03	80A	Electric Fan 1
FLY04	80A	Electric Fan 2
SB01	50A	Cooling Fan 1

Code	Specs	Function
SB02	40A	Cooling Fan 2
SB03	30A	Defog
SB04	40A	Instrument, Internet of Vehicles, Large Screen/DCDC
SB05	30A	IGN
SB06	40A	ACC
SB07	30A	Front Wiper
SB08	30A	Electric Pedal
SB09	40A	Rear Blower
SB10	40A	HCU
SB11	40A	ABS/ESP Pump
SB12	40A	Front Blower
SB13	60A	Glow Plug
SB14	30A	Transmission Control Module, DC Stabilizer Assembly
SB15	30A	Central Lock, Interior Light
SB16	30A	Exterior Light
SB17	30A	Starter
SB18	40A	Rear Heater Blower
SB19	50A	Reserved
SB20	40A	Reserved
SB21	30A	Reserved

Code	Specs	Function
SB22	40A	Reserved
SB23	30A	Reserved
SB24	15A	Seat Heating
SB25	25A	Reserved
F01	10A	A/C Compressor
F02	15A	Horn
F03	15A	Front Fog Light
F04	10A	Daytime Running Light
F05	10A	GCU/HCU
F06	30A	Fuel Heater
F07	10A	Rear A/C Compressor
F08	10A	Gateway2
F09	15A	SCR
F10	7.5A	Reverse Light
F11	30A	Front A/C PTC1
F12	10A	Main Relay Power 1
F13	20A	Main Relay Power 3 Water Pump
F14	20A	Main Relay Power 2
F15	10A	Engine Control Module
F16	10A	Transmission Control Module (AT/AMT)
F17	25A	ABS/ESP Valve

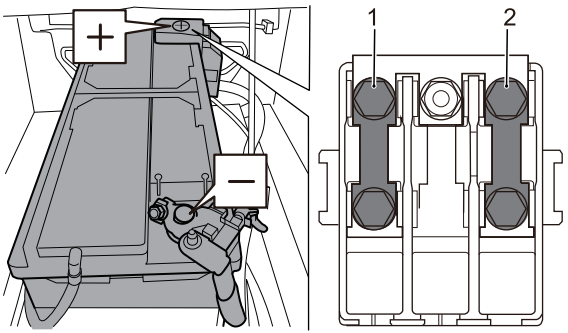
Code	Specs	Function
F18	30A	Front Compartment Fuse Box, A/C, DLC
F19	30A	Towing Module1
F20	30A	Towing Module2
F21	15A	Radio/MP5 Head Unit
F22	25A	Fuel Pump
F23	10A	Reserved
F24	10A	Starter Feedback
F25	25A	Parking Heater
F26	10A	Front Washer
F27	10A	Brake Switch, DC Stabilizer Assembly, Gateway1
F28	10A	Instrument, Large Screen, Internet of Vehicles
F29	15A	Transmission Control Module (AT)
F30	20A	Reserved
F31	25A	Driver Side Power Window
F32	25A	Front Passenger Side Power Window
F33	10A	Tail Gate Lock
F34	30A	Central Lock
F35	20A	Reserved
F36	30A	Front A/C PTC2
F37	30A	Reserved

Code	Specs	Function
F38	30A	Reserved
F39	30A	Front A/C PTC3
F40	20A	Reserved
F41	20A	Reserved
F42	20A	Reserved
F43	15A	Reserved
RLY1	/	A/C Compressor Relay
RLY2	/	Horn Relay
RLY3	/	Left Front Fog Light Relay
RLY4	/	Right Front Fog Light Relay
RLY5	/	Left Daytime Running Light Relay
RLY6	/	Right Daytime Running Light Relay
RLY7	/	Starter Relay
RLY8	/	Fuel Heater Relay
RLY9	/	Rear A/C Compressor Relay
RLY10	/	Reverse Light Relay
RLY11	/	Reserved
RLY12	/	Main Relay
RLY13	/	Main/Auxiliary Fan Low-speed Relay
RLY14	/	Reserved
RLY15	/	Main Fan High-speed Relay

Code	Specs	Function
RLY16	/	Reserved
RLY17	/	Auxiliary Fan High-speed Relay
RLY18	/	Fuel Pump Relay
RLY19	/	Front Blower Relay
RLY20	/	Rear Heater Blower Relay
RLY21	/	SCR Relay
RLY22	/	Reserved
RLY23	/	Reserved

Battery fuse box

The battery fuse box is located on the battery positive terminal below the driver seat.



Specification

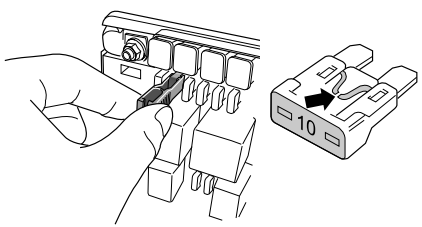
Code	Specs	Function
1	5A	Battery Sensor
2	500A	Front Compartment Fuse Box

Fuse replacement

Only replace with fuses of the same specifications and rated current. Installing 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 failure with the same fuse is the indication of circuit failure. Please contact Service Dealer.



Caution
Unauthorized changes to electrical system will make warranty invalid.

Replacing bulbs

Before replacing any bulbs, turn off ignition switch and light switch to prevent any possible short circuit.

When removing or installing bulbs, never touch the bulb with hands and if touched, clean hand trace on the bulb with cloth or alcohol.

Caution
Replace with bulb of the same category and specification as the original one.

Bulb specification

Bulb	Specs
Front fog light	H8
Front direction indicator	PY21W
High beam	H7
Low beam	H7
Rear fog light	P21W
Reverse light	W16W
Rear direction indicator	PY21W
Brake light (Type 1)	P21W
Rear position light/brake light (Type 2)	P21/5W
License plate light	W5W
Front roof vanity light	W5W
Rear roof vanity light	W5W
Stepwell light	C5W

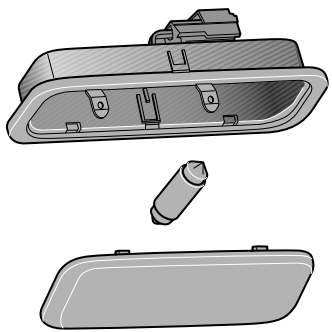
Bulb replacement

Bulb removal procedures are as below (no re-description for installing procedures as they are the reverse of removal) and for other bulbs not listed for replacement, our Service Dealer shall be contacted for inspection as soon as possible.

Rear roof vanity light

Carefully pry up the lamp shade with a screwdriver or equivalent.

Remove the faulty bulb.



Maintenance and Service

Safety

During vehicle inspection or maintenance, take care to reduce risks of personal injury or vehicle damage, and always observe the following safety precautions.

Turn off the ignition switch and pull out the key, unless otherwise specified in special procedures.

When the engine is running, be sure to keep hands, tools and clothes away from drive belt and belt pulley.

The radiator fan may start at any time (even when the engine is not running). Always ensure your hands, loose clothing (such as ties, scarves, etc.) stay away from fan blades. After the engine is started/running, many components under the engine hood will be hot, such as the engine, exhaust system, cooling system and power steering fluid reservoir. Do not touch until it is cooled down.

The engine fuel system is a high-pressure common rail system. Since the pressure in the high-pressure common rail is huge, unauthorized removal may cause personal injury. Never remove the system without permission.

Do not touch wires or components with the ignition switch in "ON" position. Keep in mind that the batteries and wires carry with high current or voltage possibly causing personal injury. Avoid short circuit.

Do not start the engine in unventilated place as poisonous gases exhausted is very dangerous.

If possible, operate the engine compartment after engine shutdown and battery disconnection (see "Jump start" in Emergency Troubleshooting section). If components under the engine hood shall be inspected when the engine is running, make sure the vehicle is on a level ground, the parking brake has been applied and the shift lever is in N or P position. Keep the matches and open fire away from the battery area and all fuel related components. Do not smoke near these areas and components.

Most fluid used for motor vehicles are toxic. Do not drink or contact with the skin or eye. These fluid include battery acid, coolant, brake fluid, power steering fluid, fuel, detergent, lubricating oil, refrigerant, etc. Please wear protective gloves to refill the fluid. And observe all instructions on labels and containers. When operating on or under the vehicle, wear protective glasses if it is possible to touch splashed or fallen articles and sprayed fluid.

Long-term contact with engine oil may cause skin diseases, including dermatitis and skin cancer. Clean it thoroughly after contact.

Be sure to keep children and pets away from the vehicle. Nobody is allowed to stay in the vehicle (except those work in the vehicle according to your instruction). Be sure to keep children away from oil, fluid and lubricating grease.

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 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 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.

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

- The function of lighting (make sure all lens are clean), horn, instrument cluster, warning lamps and indicator lamps, wipers and washers.
- Operation of seat belts.
- Correct functioning of brakes.
- Visually check if there is water, oil, fuel, exhaust fume and other leakage under the vehicle.

Weekly checks or check before a long journey

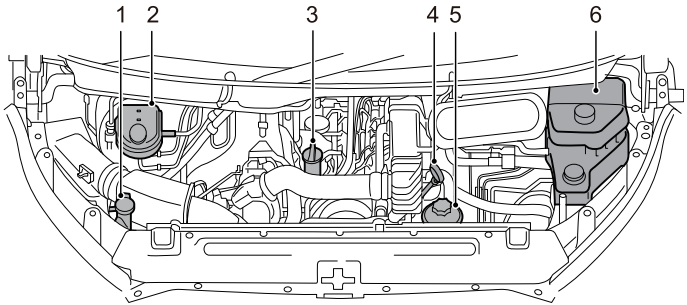
- Check for fluid level / fluid fill-up.
  - Engine oil
  - Coolant
  - Windshield washer fluid
  - Power steering fluid
  - Brake fluid
- Check for condition and pressure of all tires (including spare tires).
- Check and operate AC system.

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 Service Dealer in accordance with Warranty & Service Handbook.

Front compartment



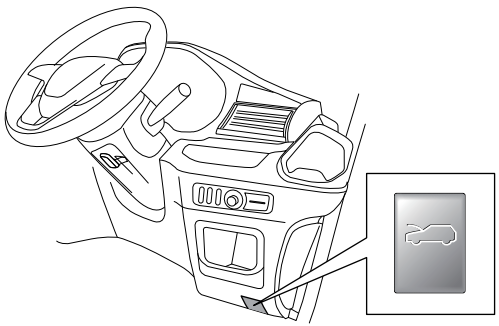
1 Washer fluid reservoir
2 Brake fluid reservoir
3 Oil filler cap
4 Oil dipstick
5 Power steering fluid reservoir
6 Coolant reservoir

Note: The oil dipstick handle is marked in yellow, easy to identify.

Engine hood

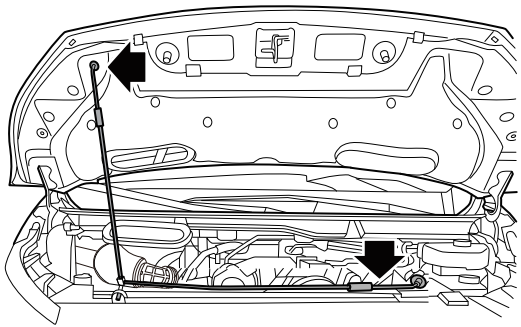
Open hood

1 Pull the hood release switch below the driver side lower guard to release the hood.



2 Lift the front of the hood slightly, fully push the safety catch all the way to the right side and lift the hood with your right hand.

3 Lift the support rod with your left hand, and install the end of it into the mounting slot in the hood.

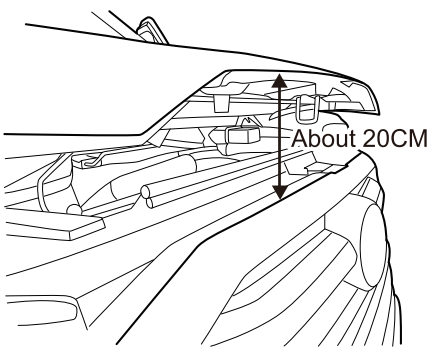


Close hood

With the key in "ON" position, the radiator fan may operate at any time (even if the engine is not running). Always ensure your hands, loose clothing (such as ties, scarves, etc.) stay away from fan blades.

If the engine is running, keep your hands, clothing, etc. away from the rotating pulley, drive belt, fan blades and other devices.

When closing, support the front of the hood with one hand, pull the support rod out of the mounting slot with the other hand and clip it into the fixing points horizontally, then close the hood. When the front of the hood is approximately 20cm from the front bumper, let the hood close by gravity. Finally attempt to lift the hood to check if the locking mechanism is properly engaged.



Caution
Before closing, check that no tools, rags, equipment, etc. left under the hood.

Engine oil

It is recommended to use oil of correct grade.

SAE 5W-30 ACEA C3 or higher-grade oil is recommended.

Our Service Dealer are ready to provide you with the latest updates and improvements on recommended oil. If you are using your vehicle in areas of extremely low temperatures, it is recommended to use SAE 0W-30 ACEA C3 oil for your vehicle.

Caution
Don't use the engine oil not conforming to the above specifications. Improper use of oil may cause damage to the engine, thus the warranty will become invalid.

Inspection and refill

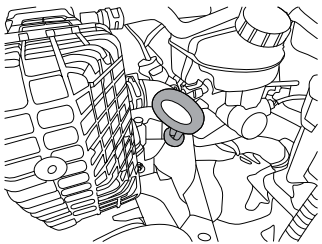
Do not exceed the maximum mark when refilling.

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.

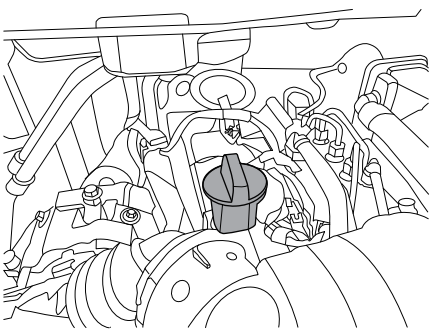
Park the vehicle on a flat ground, idle the engine for 1 ~ 2 minutes, then turn off the ignition switch and wait for about 10 minutes to check the oil level.

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 indicator must be between MAX and MIN marks.



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 turn counterclockwise to unscrew the oil filler cap, then add new oil of correct specification. The amount of oil required from MIN to MAX is about 1L. 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.

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 Handbook. See “Driving” in Starting and Driving section.

Coolant

Coolant is harmful if swallowed. Do not allow coolant to contact the eyes or skin. If it does, rinse immediately with plenty of water.

Please add correct specification coolant. Never driving the vehicle if coolant of correct specification is not filled. Coolant specifications see “Recommended fluids” in General Technical Parameters section.

At specified intervals the cooling system should be drained, flushed and refilled with the correct amount of coolant.

Caution
When charging or replacing coolant, only the 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 refill

Do not remove the reservoir cap while the system is hot, for escaped water vapor or hot coolant may cause injury. If coolant has to be charged when the system is hot, wait for 10 minutes, place a thick cloth over the reservoir cap and turn the cap slowly counterclockwise to release the pressure in the reservoir before removing the cap.

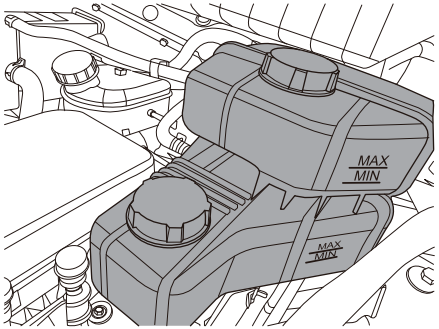
Always check the coolant level with the vehicle on level ground and the cooling system stationary (cold condition).

The level is visible on the coolant reservoir and the normal level shall be between MAX and MIN marks.

If the level drops to the MIN mark, clean the area around the coolant reservoir cap and rotate the cap counterclockwise to remove it. Top up with the specified fluid between MAX and MIN marks. Install the reservoir cap.

Note: The coolant may expand when it becomes hot, so the liquid level may be higher than the level mark.

Note: Excessive refill may cause the coolant overflow when the engine temperature rises, which undermines the cooling effect. Simply refill the fluid to the indicated level 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 inspection.

Precautions for cold weather

In order to reduce possible problems which may occur in cold weather, please consider the following suggestions:

- Since the standard freezing point of the coolant used in the vehicle is -35°C (with the mixture ratio of coolant stock solution and water of 1:1), it is necessary to park the vehicle in areas where the coolant temperature can be maintained above -35°C.
- If you are using your vehicle in extremely cold areas where the ambient temperature is below -35°C, please use the coolant of appropriate proportion based on the local temperature. (Refractometer T10007 can be used to detect the freezing point of the coolant)

Brake fluid

If there is an appreciable drop in the level of the brake fluid, contact Our Service Dealer as soon as possible.

Use only new, specified brake fluid. Use of old 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.

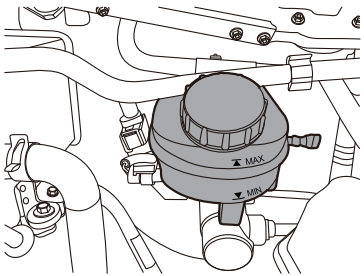
Do not allow brake fluid flowing onto the engine, otherwise it may be ignited when the engine heats up, causing a fire and damage to the engine.

Note: Fluid used in the hydraulic clutch also comes from the brake fluid reservoir.

Caution
• Only top up the brake master cylinder with brake fluid complying with specification DOT4. Do not use any other type of brake fluid. • Brake fluid will damage paintwork if allowed to contact it. Wipe clean immediately and flush with water.

Inspection and refill

Be sure to check the brake fluid level after the vehicle is parked on a flat ground and the brake system is in cold state. 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 counterclockwise to remove the reservoir cap. Fill up specified new brake fluid between MAX and MIN marks and install the reservoir cap.



If the level falls below MIN mark, "brake system warning light (red)" on information cluster will light on. This indicates a fault in the braking system which must be investigated immediately. If driving, IMMEDIATELY bring the vehicle carefully to a halt. Contact our Service Dealer for service as soon as possible. Do NOT drive the vehicle.

Never discard used brake fluid casually to avoid polluting the environment.

Power steering fluid

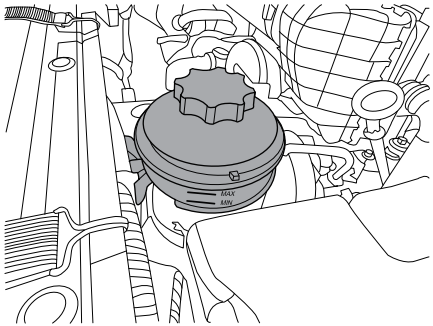
Note: Apply to vehicles equipped with hydraulic power steering system.

Caution
Always use fluid conforming to ATF-DEXRON III specification.

Inspection and refill

If there is an appreciable drop in the fluid level, contact Our Service Dealer for inspection as soon as possible.

Always park the vehicle on a flat ground, before the engine is started, check the power steering fluid level when the system is in cold state and the front wheel is directed straight ahead. 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 the area around the filler cap and then turn counterclockwise to remove it before charging new and specified fluid between MAX and MIN marks. Install the reservoir cap.



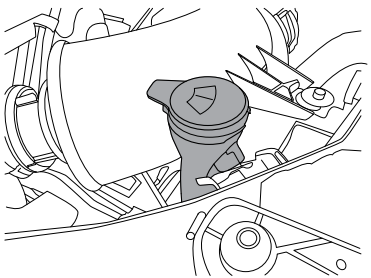
Caution
• Do not overfill. • Do not allow dirt to enter the power steering fluid reservoir. • Operating the vehicle with insufficient fluid in the reservoir could cause damage to the power steering unit.

Washer fluid

Inspection and refill

Driving with a non-operational washer system can be dangerous; always check it before driving.

The windshield washer reservoir is located in the front compartment. To top up, lift the front of the filler cap to fill washer fluid and then reinstall it. Washer fluid specification see “Recommended fluids” in General Technical Parameters section.



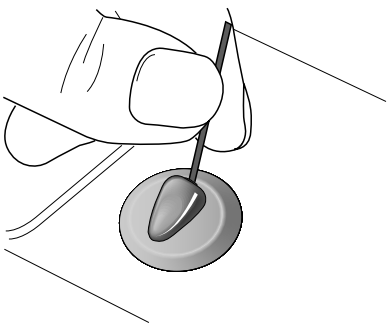
Caution
Do not use washer fluid that does not comply with requirements. Do not use tap water as mineral substance in tap water will easily block windshield washer fluid pipeline or jet.

Washer jet

Adjusting and cleaning

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.

The direction of washer jet has been set in manufacturing works and normally no adjustment is required. If any 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 windshield.

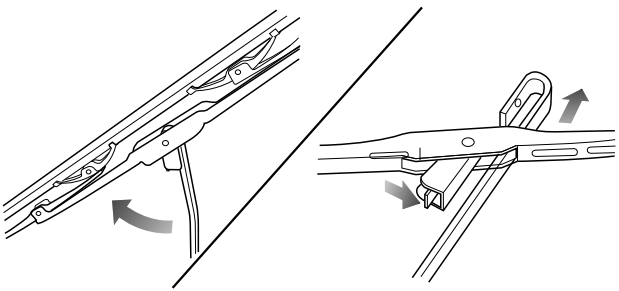


Wiper blade

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 windshield glass.



Replacement

Removal

- Lift the wiper arm from the windshield, then make the blade and arm maintain at a right angle.

- Push down the clip (arrow direction), then slide the blade bracket to the lower side of the arm so that the pivot on the bracket can be separated from the hook on the arm.

Note: Remember the relative location of hook and bracket because the replacement blade is required to be fitted later in the same way.

Installation

- Install the blade holder on the hook.

- Snap the pivot into the hook and push it in place, until hearing an audible sound of snapping 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. Push the red button and check if the locking tab pops neatly.
- With the belt half unreeled, hold the tongue and give it a sharp pull. Check if the safety device can be locked automatically and prevent further looseness.

Maintenance and service

Do not attempt to repair the 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 Service Dealer.

Regularly inspect the belt webbing for signs of abrasion or wear, paying particular attention to the anchorage points and adjusters.

Clean the seat belt with a sponge dipped in warm water and mild soap; it can be naturally dried, and should not be directly heated or exposed to sunlight. Do not allow water to enter the retractor. Never bleach or color seat belt as its strength may be reduced.

Battery

Warning on battery :


Wear goggles!


The acid liquor in battery is strongly corrosive. Ensure to wear protective gloves and goggles!


Any open fire, spark, hard light and smoking is strictly forbidden!


Explosive gas mixture may be generated during battery recharging!


Ensure to keep any child away from the acid liquor and the battery!

There may be risks of injury, corrosion, accident and fire during operations on the battery and any electric apparatus in the vehicle!

Ensure to wear goggles. Do not let any acid or leaded grains into your eyes or onto your skin or clothes.

The acid liquor in battery is strongly corrosive. Ensure to wear protective gloves and goggles.

Do not turn over the battery, or acid liquor may be discharged from the exhaust vent. If any acid liquor touched your eyes, immediately flush with clean water for several minutes before seeing the doctor. If any acid liquor spills onto your skin or clothes, immediately neutralize it with thick liquid soap, and then flush with plenty of water. If any acid liquor is swallowed accidentally, see the doctor immediately.

Any open fire, spark, hard light and smoking is strictly forbidden. During working on cables and electric devices and removing electrostatic loads, avoid generating any spark. The electrodes of battery can NEVER be short-circuited, or may cause injury due to large energy spark.

Explosive gas mixture may be generated during battery recharging. The gas vent of battery should be kept unblocked to discharge the gas correctly. During recharging, the battery should be located in a space with good ventilation.

Ensure to keep any child away from the acid liquor and the battery.

Turn off the engine, ignition switch and all the electrical appliances before working on electrical appliances. Remove the negative cable of battery. When replacing bulbs, only the lights are required to be shut down.

Pay attention to the polarities of power supply. Before powering on, the matches of polarities must be checked.

The duration of each powering on should not be less than 5 seconds. Try to avoid powering on and off too frequently.

When removing the battery, please remove the negative cable before positive cable.

Before powering on the battery again, all of the electric devices should be shut down. First connect the positive cable, then the negative one. Never connect the cables incorrectly - risk of fire!

Unauthorized removing and installing of battery is strictly forbidden. In some cases, such operations may cause severe damage to the battery and fuse box. Please contact Our Service Dealer.

Do not disconnect the battery when the ignition switch is on or the engine is running, otherwise it may damage the electrical appliances (electrical components).

To prevent the battery housing from exposing to ultraviolet ray, do not expose the battery under the sunshine.

Duration of storing the vehicle

If the vehicle is to be parked for an extended period of time, the static current electrical appliance (like clock, security devices) will drain the battery, and the battery has to be recharged. To avoid such case, charge the battery or disconnect the battery negative cable during the vehicle parking.

Note: Please pay attention to the warnings & instructions for battery before working on it.

Caution
Ensure to turn off the ignition switch during storing, otherwise the storing duration can be reduced significantly.

Operating in winter

There are some strict requirements on operating the in-car battery in winter. In addition, the battery can only provide the starting power which is a part of that in normal temperature. We suggest to have the in-car battery checked by Our Service Dealer before the cold season, and recharge it if necessary.

If the vehicle is not used for weeks in cold season, please remove the in-car battery and store in an ice-free room, to prevent it from freezing and damage.

Recharging the battery with ground equipment

Do not recharge any frozen battery, or may cause explosion! Even if the battery is unfrozen, there may be acid liquor spilling out and cause corrosion. Any frozen battery must be replaced.

Turn off the ignition switch and all of the electric devices before recharging.

If the vehicle has been stored for long term and cannot be started due to undervoltage (general terminal voltage≤12V), the battery must be removed from the vehicle and recharged with ground equipment (follow the instructions provided by the manufacturer of the recharging equipment.

During recharging with low current (e.g., a small recharging device), it is unnecessary to remove the connecting cables of battery. However, please ensure to read the instructions from the manufacturer of the recharging device.

Before quick recharging (i.e., high current recharging), both of the cables must be removed.

Note: Please pay attention to the warnings & instructions for battery before working on it. During recharging, the recharging device can only be connected after the terminal clamps of recharging device is connected to the electrodes of battery as required. After the recharging is finished, firstly turn off the recharging device, remove the power

cable, and then remove the terminal clamps of recharging device from the battery.

Caution
• Keep any child away from the battery, acid liquor and recharging device. • The battery can only be recharged in space with good ventilation. Smoking is strictly forbidden. Ensure to keep away from open fire and sparks, because explosive gas mixture may be generated during recharging of the battery. • Protect your eyes and face, never be too close to the battery. • If any acid liquor touched your eyes or skin, immediately flush with clean water for several minutes before seeing the doctor. • There is a risk to quickly recharge the battery, which should be done by Our Service Dealer due to requirements on the special recharging device and knowledge. • Any frozen or unfrozen battery must be replaced. Because cracks may be found on the frozen battery housing. It may cause leak of acid liquor and damage to the vehicle.

Removing the battery

Shut down the ignition switch and all of the electric devices before removing the battery.

To remove the battery, firstly remove the negative cable and then the positive cable. And then remove the bolt on the mounting bracket of battery to remove the battery.

Replacing the battery

The battery installed on your vehicle is designed for the corresponding mounting location. To replace the battery, please ensure to use one with the same voltage (12V), structure and safety label. The current strength and capacity should be same with the original battery. Our Service Dealer can offer you with genuine batteries.

When replacing the battery, please ensure that the ignition switch is powered off and all of the electric devices are shut down.

Concerning the disposal of used battery, it is suggested to have the battery replaced by Our Service Dealer. Additionally, the battery can never be treated as household garbage because it contains sulfuric acid and lead.

Installing the battery

Before installing the battery, please power off the ignition switch and shut down all of the electric devices.

Locate the battery into the desired position, and fix it with battery bracket.

When connecting the battery, please fix the positive cable before the negative cable.

Caution
To prevent the battery from discharging, please turn off the ignition switch when you leave the vehicle.

Tires

DEFECTIVE TIRES ARE DANGEROUS! Do NOT drive your vehicle if any tire is excessively worn or damaged, or is inflated to an incorrect pressure.

Frequently inspect the tires 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 tire.

Tire pressure

Driving with incorrectly inflated tires can affect vehicle stability, increase rolling resistance, and cause rapid tire wear and possible permanent damage to the cords of the tire casing.

Remember tire wear and inflation pressure regulations. It is the driver's responsibility to ensure that the tires meet these requirements.

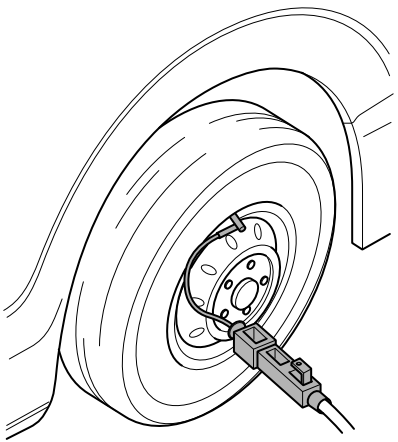
Check the tire pressures weekly, including the spare tire, and if necessary, adjust in accordance with pressure requirements on the "tire pressure sign" on the B pillar. This Handbook introduces the correct tire pressure in cold condition, see “Wheel and tire” in General Technical Parameters section.

The spare tire should be maintained at the highest recommended pressure and adjusted before use. Pressure

should be checked with an accurate Tire Pressure Gauge when the tire 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: Specified pressure applies to a cold tire, while the pressure of hot tire should be higher.

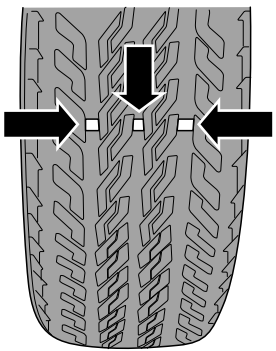


See “Tires” in Starting and Driving section.

Wear indicator

There is wear indicator in tread for all original tires. When the tire 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 tire should be replaced immediately where any part of the wear indicator becomes visible. However it is in your interest to note that tire safety and performance tends to reduce before the legal limit is reached. For example, badly worn tires will increase the risk of aquaplaning.



Other maintenance

Vehicle cleaning

For the 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 tires. Never use a high pressure jet as it may damage tires. If any damage found, replace the tire.

Flushing water on the forepart of the interior car (close to the dashboard area) is prohibited so as not to cause any 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 impair vehicle paint in extremely cold weather.
- 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 cleaning the vehicle with a hose, it is prohibited to spray the water directly to the window, the door, or the brake through the gap of the wheel.
- After cleaning, inspect the paintwork for damage and stone chips; apply touch-up paint if necessary. Use the polishing wax to protect the paintwork from time to time.
- When using high pressure cleaning equipments, the water jet shall be kept moving. Do not directly wash the engine, radiator, door gap, seals, electrical components or components connected to it.

Note: Remove apparently harmless looking but actually aggressive particles from the paintwork immediately - e.g. bird droppings, tree resins, insect remains, tar spots, road salt and industrial fall-out. Otherwise permanent staining or damage will be produced.

Caution
It is prohibited to open the engine hood and directly rinse the engine compartment, as this may cause short circuits of electrical components in the engine compartment. Don't use steam to clean the underbody, wheelhouse or transmission portion, as this will damage the protective wax layer.

Engine carbon deposit cleaning

In view of the quality of domestic oil products, it is recommended that you carry out engine carbon deposit cleaning after driving 15,000 ~ 20,000 km to ensure the normal performance of the engine. For details, please consult Our Service Dealer.

Anti-corrosion of underbody

The underbody of your vehicle has been treated with anticorrosion. Check underbody anti-corrosion regularly.

Use a water jet to remove accumulations of caked mud or debris on underbody. Especially in winter, when salt is used on icy and snowy 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 spots. Use special cleaner to clean leather parts.

Door seal

To prevent rubber door seals freezing during cold weather, rubber maintenance products 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 rather than abrasive or chemical solvent to wash.

General Technical Parameters

Major vehicle dimension parameters

Model	SV63D-E360	SV63D-F360	SV63B-A550	SV63B-A560	SV63B-B560
Length, mm	5940	5940	5546	5940	5940
Width, mm	2062	2062	2062	2062	2062
Height, mm	2535	2755	2545	2525	2740
Wheelbase, mm	3760	3760	3366	3760	3760
Front/Rear suspension, mm	1020/1160	1020/1160	1020/1160	1020/1160	1020/1160
Front/Rear track, mm	1732/1743	1732/1743	1732/1743	1732/1743	1732/1743
Minimum turning circle diameter, m	14.1	14.1	12.9	14.1	14.1

Model	SV63D-E550	SV63D-E560	SV63D-F560	SV63D-H369	SV63D-H569
Length, mm	5546	5940	5940	6200	6200
Width, mm	2062	2062	2062	2094	2094
Height, mm	2555	2535	2755	2320	2320
Wheelbase, mm	3366	3760	3760	3760	3760
Front/Rear suspension, mm	1020/1160	1020/1160	1020/1160	1020/1420	1020/1420
Front/Rear track, mm	1732/1743	1732/1743	1732/1743	1740/1654	1740/1654
Minimum turning circle diameter, m	12.9	14.1	14.1	14.1	14.1

Vehicle weight parameters

Model	SV63D-E360	SV63D-F360	SV63B-A550	SV63B-A560		SV63B-B560	
Gross vehicle weight, kg	4000	4000	3800	4050		4050	
Curb weight of a vehicle, kg	2330	2360	2590	2740	2705	2760	2725
Axle load (Front/rear axle load under gross vehicle weight), kg	1780/2220	1790/2210	1630/2170	1740/2310		1740/2310	
Passenger capacity	3	3	11	14	12	14	12

Model	SV63D-E550	SV63D-E560	SV63D-F560	SV63D-H369		SV63D-H569	
Gross vehicle weight, kg	3800	4000	4000	4495		4495	
Curb weight of a vehicle, kg	2300	2360	2380	2010	1990	2040	2020
Axle load (Front/rear axle load under gross vehicle weight), kg	1680/2120	1800/2200	1800/2200	1638/2857 ~ 1740/2755		1655/2840 ~ 1740/2755	
Passenger capacity	3	3	3	3	2	3	2

Vehicle performance parameters

Model	SV63D-E360	SV63D-F360	SV63B-A550	SV63B-A560	SV63B-B560
Engine type	SC20M150Q5	SC20M150Q5	SC20M150Q5	SC20M150Q5	SC20M150Q5
Maximum design speed, km/h	145	140	155	155	150
Maximum gradeability, %	40	40	40	40	40
Emission level at delivery	Euro V	Euro V	Euro V	Euro V	Euro V

Model	SV63D-E550	SV63D-E560	SV63D-F560	SV63D-H369	SV63D-H569
Engine type	SC20M150Q5	SC20M150Q5	SC20M150Q5	SC20M150Q5	SC20M150Q5
Maximum design speed, km/h	155	155	150	145	145
Maximum gradeability, %	40	40	40	40	40
Emission level at delivery	Euro V	Euro V	Euro V	Euro V	Euro V

Main engine parameters

Engine type	SC20M150Q5
Type	Common rail direct injection (CRDI) diesel engine with turbocharger and intercooler
Displacement, L	1.996
Number of cylinder	4
Bore*Stroke, mm*mm	83*92
Volume compression ratio	(15.9±0.2):1
Maximum net power, KW	108.5
Engine speed at rated power, rev/min	3500±50
Max. torque, Nm	375
Engine speed at maximum torque, rev/min	1500 ~ 2400
Idle speed, rev/min	750±50
Fuel type and grade	Diesel, conform to Euro V or above standard
Fuel tank capacity, L	80

Chassis technical parameters

Items	Parameters
Front suspension	Mcpherson independent suspension
Rear suspension	Leaf spring non-independent suspension
Leaf spring type	Taper leaf spring
Leaf spring specification	90, 60/100, 60/110, 60/130, 70/135, 70/160 (N/mm)
Wheel dynamic balance requirement	Residual dynamic unbalance on both sides of wheel assembly shall be less than 10g
Sound free travel of brake pedal	within 10 mm
Reasonable application range of brake friction pair	At least 2mm remaining before wearable material reaching its wear limit

Recommended fluids

Item	Specification	Capacity
Engine lubricating oil, L	SAE 5W-30 ACEA C3	6
Engine coolant, L	D-35(-35℃)	10.5(without rear fan heater) 12(with rear fan heater) 13.5(long wheelbase)
Cryogenic circulating coolant, L	D-35(-35℃)	4.5
6MT manual transmission fluid (RWD), L	Fuchs 75w/85	3.3
6AT automatic transmission fluid, L	petro-Canada Dexron VI	9
Brake fluid, L	Laike 901-4 DOT 4	1
Power steering fluid, L	ATF-DEXRON III	1.2
Washer fluid, L	General low freezing point detergent	4
Air conditioning refrigerant, g	R134a	750±30(single A/C) 1450±30(medium wheelbase dual A/C) 1600±30(long wheelbase dual A/C)
DYMOS rear axle lubricant, L	TEMPO GL-5 80W-90	2.5
YUEJIN rear axle lubricant, L	TEMPO GL-5 80W-90	3
Drive shaft spindle grease, g	EP2	8±1

Wheel and tire

Item	Parameter		
Wheel specification	6 1/2J×16		6J×16
Tire size	235/65R16C	215/75R16C	195/75R16C
Vehicle type	Minibus/COMBI/VAN/CAB/Platform Vechile		
Gross vehicle weight, kg	≤4050	≤4050	≤5000
Tire pressure of front/rear wheel (cold condition), bar	3.5/4.9	4.0/4.75	4.6/4.3
Tire pressure of spare wheel (cold condition), bar	4.9	4.75	4.6

Wheel alignment parameters

Item		Parameter
Front Wheels	Camber	0.333°±0.75° Absolute value of difference between left and right wheels≤0.75°
	Kingpin Caster	2.17°±0.75° Absolute value of difference between left and right wheels≤0.75°
	Toe	0.192°±0.083° Absolute value of difference between left and right wheels≤0.1°
	Kingpin Inclination	12.16°±0.5° Absolute value of difference between left and right wheels≤0.5°
Rear Wheels	Toe	0°±0.417°
	Camber	0°±0.75°
	Rear Axle Thrust Angle	0°±0.25°