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 manual

This manual applies to our company manufactured T60 series trucks and their chassis.

Caution
The information covered by this manual does not aim to certain model and variant, thus some contents in this manual may be inapplicable to your model.

This vehicle product follows enterprise standards Q31/0110000019C034 and Q31/0110000019C035.

The figures in the manual are schematics, for your reference only.

Prompt information

Warning

This sign means that you must abide by relevant steps strictly and accurately in order to avoid causing personal injuries to yourself and other persons.

Caution

Caution
This sign means you must abide by relevant steps to avoid damaging your vehicle.

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 in the figure

It indicates the described object.

It indicates the moving direction of an object.

Please refer to

The content referred. It indicates the name of "Section".

Precautions

Hazardous Materials

Most liquids and some substances used on a motor vehicle are toxic. It is strictly prohibited to drink them, and keep injuries away from them as far as possible. Battery acid, coolant, brake fluid, power steering fluid, fuel, cleaning solution, lubricant, refrigerant and other liquids and various adhesives contain these toxic substances. Be sure to carefully read and strictly follow the instructions printed or stamped on parts. This kind of instructions are shown for the sake of your health and personal safety. Please treat them with caution.

For your safety, please read this manual carefully.

Child/Animal

An accident and personal injury may be caused if any unsupervised child or animal operates the control devices and switches installed on the vehicle or contacts any equipment or objects transported by the vehicle.

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. In hot days, the child or animal left in the vehicle may suffocate.

Personal Safety

Each seat on your vehicle is equipped with a seat belt to lower the possibility of personal injury in case of an accident. All occupants are required to wear seat belts. In addition, your vehicle has been installed with supplementary restraint system (SRS) comprising an airbag and a seat belt pre-tensioner, providing extra protection for the driver and front passenger.

Please refer to "Supplementary Restraint System (SRS)" in the Before You Drive section. The misoperation of airbag may lead to personal injuries.

Vehicle Identification

When you contact our Service Dealer, you shall provide the vehicle identification number (VIN).

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

Vehicle Identification Number (VIN)

VINs on the vehicle:

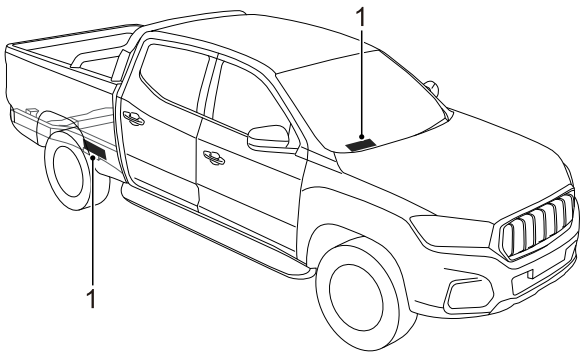
- On the right rear/front girder of vehicle (seal position), please refer to the actual vehicle.
- On the vehicle plate on B-pillar.
- On the instrument panel at the right lower corner of the windshield, visible through the right lower corner of the windshield.

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

Engine Number

SC28R150Q5 diesel engine vehicles: Engine number is printed on the bottom of engine cylinder.

SC20M163Q5A diesel engine vehicles: Engine number is printed on the front of engine cylinder.



1 Vehicle identification number (VIN)

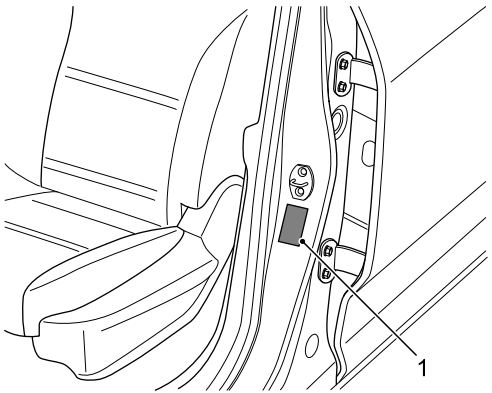
Vehicle plate

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

- Vehicle identification number
- Brand
- Model
- Engine model
- Maximum engine net power
- Engine displacement
- Maximum allowable total mass
- Curb mass
- Number of occupants
- Manufacture date
- Manufacturer
- Manufacturing country

Location of vehicle identification plate

The vehicle identification plate (1) is located on the front bottom of B-pillar.

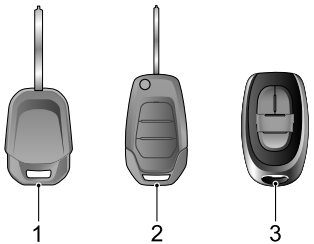


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Keys

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



1 Common key

2 Remote key

3 Remote key with PEPS

Note: If a key is lost, you must provide the key number on the metal or plastic plate attached with the key, and our Service Dealer will provide the replacement. To ensure safety, you are recommended to keep the metal or plastic plate attached with key properly. For the sake of safety, the key has been electronically coded with the engine 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 engine but can lock/unlock doors.

Common Key

The common key is mainly used for activating the engine immobilizer system and starting the system and also can be used for locking/unlocking the driver door and passenger doors. Except for the driver door, the common key can only achieve the locking/unlocking for other doors. Please refer to "Door Locks" as well as "Ignition Switch and Steering Lock" in this section for more details about the common key.

Remote Key

Remote key is a control component of automobile central locking system. It can be used for locking/unlocking all doors; the car locating button on the remote key also can help you locate your car.

Note: The remote key/keys have 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. All Service Dealers are ready to provide assistance for you. Please refer to "Central Locking System" in this section for more details about the remote key.

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

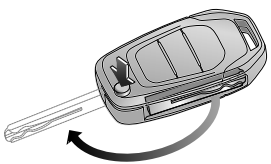
Extension/Retraction of Mechanical Key Portion

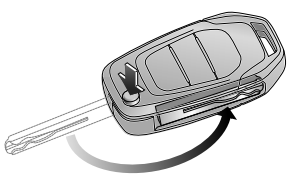
Mechanical Key Portion of Remote Key can be extended or retracted , hereinafter referred to as mechanical key portion.

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.

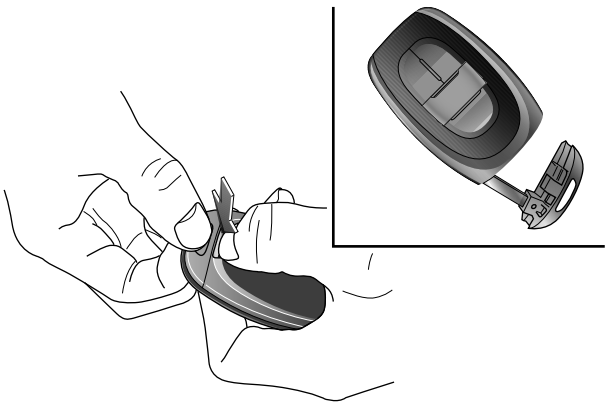




Mechanical Key Portion of a Remote Key with PEPS

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 Battery in Remote Key

Key battery has the risks of fire, explosion and combustion. Do not charge the battery. The used battery shall be disposed in a proper way. Keep the battery in the place out of reach by 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 replace the battery, operate as per the following steps:

Replace the battery in remote key

1 Extend the mechanical key portion;

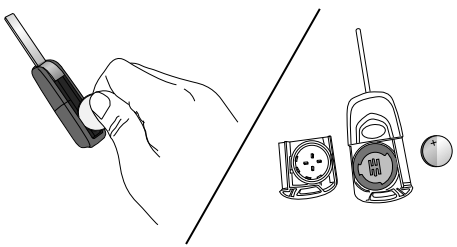
2 Pry the battery cover from the key body (with a RMB 1 coin);

3 Take out the battery and place 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 from 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
Do not pry the printed circuit board with any metal object.

4 Take out the battery and place a new one;

Note: It is recommended to use a CR2032 battery.

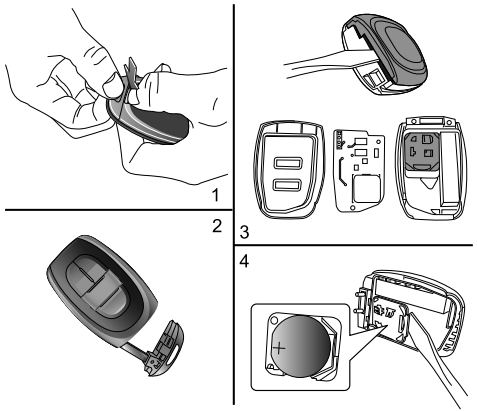
Caution
Pay attention to the positive and negative of battery.

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

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

Caution
Do not forget to install the waterproof gasket inside the upper panel of key body.

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

Preventing the vehicle from theft

If you leave the vehicle while occupants are left in it, even if the departure time is very short, be sure to remove the key from the ignition switch, and special attention shall be paid especially when a child is left in the vehicle. Otherwise, they may start the engine or operate the electrical device, thus may result in a risk of accident.

Please close all windows before leaving the vehicle.

Please make sure that all doors are fully closed before locking.

Door Lock/Unlock

You may lock/unlock all doors from outside with the ordinary key, remote key, or remote control with PEPS. You may lock/unlock all doors from inside with the central lock switch. All doors can be locked automatically depending on vehicle speed. Please refer to the "Central Lock System" in this section.

Note: When all doors are successfully locked with the remote key, all turning signal lamps will flash once, and the horn sounds once as the reminder. When all doors are successfully unlocked with the remote key, all turning signal lamps will flash twice as the reminder.

Central Lock System

Using ordinary key, mechanical key section of remote control

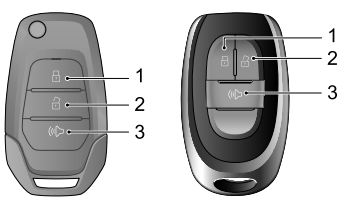
Perform manual lock/unlock operation on the driver door from outside with the ordinary key or mechanical key section of remote control, all doors can be locked/unlocked.

When locking, turn the ordinary key or mechanical key section of remote control anticlockwise. When unlocking, turn the ordinary key or mechanical key section of remote control clockwise.

Using remote key

With the buttons on the remote key, you can lock/unlock all doors through the central lock system.

Note: The system can operate properly only when all doors are fully closed.



1 Center console LOCK button

2 Center console UNLOCK button

3 Car Locator button

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

Locking all doors

Press the button (1) to lock all doors, but the prerequisite is that all doors are closed.

Note: All turning signal lamps flashing once represents the confirmation for locking, if any door is not fully closed, there will be no audio alarm, please press the button (1) again after closing all doors.

Unlocking all doors

Press the button (2) to unlock all doors.

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

Car locator

Long press the button (3) for 1 second, the vehicle will emit audible and visual alarm.

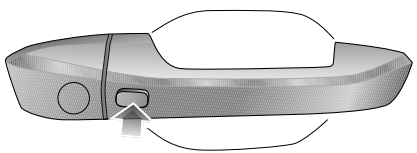
Remote door lock with PEPS

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

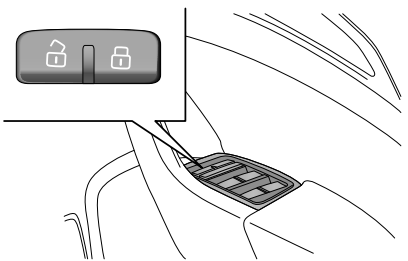


Turn off the ignition switch, leave the vehicle and close the door, then touch the micro switch with your thumb, the door will be locked, and there is no need to press the LOCK button on the remote key.

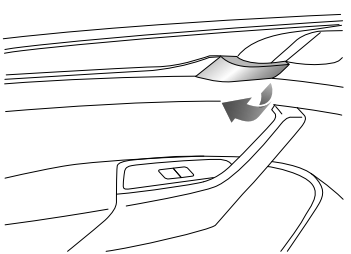
Using central lock switch

This switch can enable or disable all door locks from inside. Press the LOCK button to lock all doors. Press the UNLOCK button to unlock all doors.

Note: If the driver door is not closed, the lock motor will not activate, if the other door is not closed, the lock motor will activate.



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

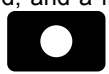


Note: During the driving, all doors shall be fully closed and all door locks shall be enabled, so as to avoid accidental opening of doors.

Power-saving Transportation Mode

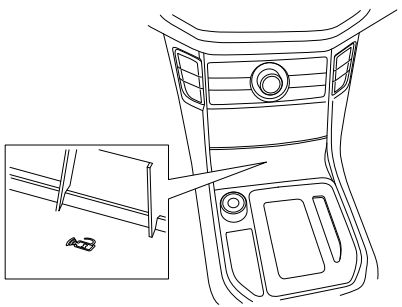
Note: Suitable for models equipped with power-saving transportation mode.

- Entering Power-saving Transportation Mode

  Turn on the ignition switch as well as the hazard warning lamp, press and hold the center console Lock button for 15 seconds, the instrument cluster will display that the transportation mode is ON (applicable to the instrument cluster equipped with such function) when a “click” sound is heard, and a flashing “Body theft deterrent warning lamp (Red)”  indicates that the transportation mode is entered, then turn off the hazard warning lamp and lock the door with the mechanical key at this time.

Caution
After entering the transportation mode, the driver cannot locate the vehicle with the remote key, and can only lock/unlock the vehicle with the mechanical key, and the vehicle won’t enter the defensive state (in which the vehicle will give an alarm with sound and light if the door of the vehicle is opened without the key) when it is locked with a mechanical key.

Caution
After entering the transportation mode, the remote monitoring module will be powered off and the vehicle will no longer possess the remote function. For vehicles equipped with keyless start, the PEPS remote key needs to be placed in the marked area of the storage compartment in front of the shift lever for ease of finding as the vehicle is started in the transportation mode . When the ignition switch is turned on in the transportation mode, the "Body Theft Deterrent Warning Lamp (Red)" will flash continuously.



- Exiting Power-saving Transportation Mode

  Turn on the ignition switch as well as the hazard warning lamp, press and hold the center console Lock button for 15 seconds, the instrument cluster will display that the

transportation mode is OFF (applicable to the instrument cluster equipped with such function), and the “Body Theft Deterrent Warning Lamp (Red)” will be off, which indicates that the power-saving transportation mode is exited.

Speed related locking

This function will automatically lock all doors when the vehicle speed is over 8km/h.

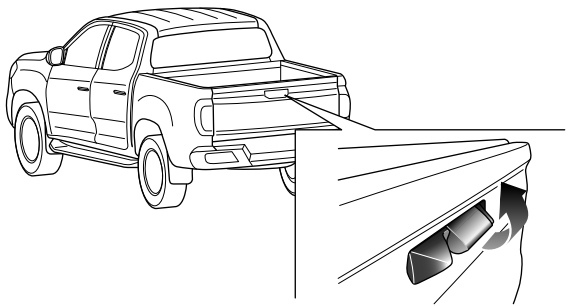
Note: When the key is turned to "LOCK" position, remove the key, and the doors will be automatically unlocked.

Tailgate

For vehicles equipped with a tailgate lock cylinder, you may lock and unlock the tailgate through the ordinary vehicle key or the key bit.

For vehicles without a tailgate lock cylinder, you may open and close the tailgate directly through the outer handle on the tailgate.

You may open the tailgate through the outer handle on the tailgate, and fold the tailgate up to close it.



Note: During the driving, the tailgate shall be fully closed, so as to avoid accidental opening of tailgate.

Windows

It is dangerous to leave children, incapacitated adults or pets on the vehicle with windows closed. They may faint out due to high temperature, or suffer permanent injury or even death due to heat stroke. Do not leave children, incapacitated adults or pets on the vehicle, especially in the warm or hot weather, with the windows closed.

Power window

Always take care when operating the power window. There is a risk of injury, especially for the children. Please pay close attention when closing the window. Ensure that no objects are stuck in it while the window is moving.

Driver door window

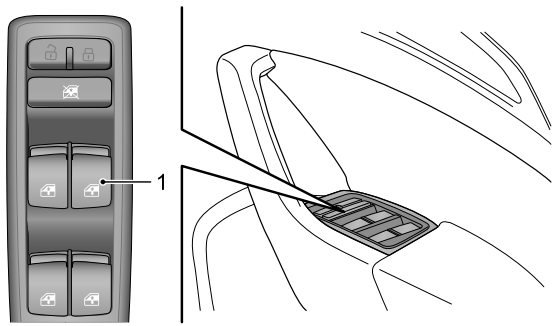
If your vehicle is a double-row model, there will be 4 window switches on the driver door. You can operate driver door window, front passenger door window and rear door windows respectively with these 4 switches.

If your vehicle is a single-row or one and a half row model, there will be 2 window switches on the driver door. You can operate driver door window and front passenger door window respectively with these 2 switches.

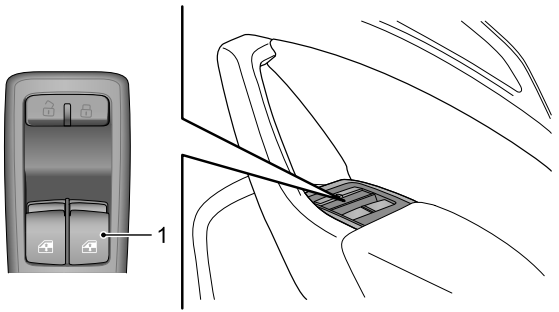
When operating, press the front part of the switch to open the window. Pull the front part of the switch to close the window.

For double-row models, the driver may operate the lock button to disable to power windows for rear occupants. To enable this function, press the lock button again.

Power window switches on the driver door of double-row models



Power window switches on the driver door of single-row and one and a half row models



Automatic lifting function of driver door window

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

Resume the automatic up/down function

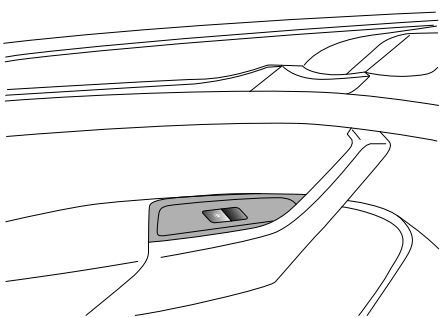
If the vehicle battery cable is re-connected after the disconnection, or the battery was drained once, or the anti-pinch function has been enabled for consecutive 3 times at the same position when the window glass moves up, the automatic up/down function may not work, it must be re-learned to restore the function.

Close all doors, pull up the window glass lifting button, until the window is fully closed, hold the button for about several seconds after the window is fully closed; then press the window glass lifting button until the window is fully open, hold the button for about several seconds after the window is fully open , the automatic up/down fuction will resume.

Occupant door windows

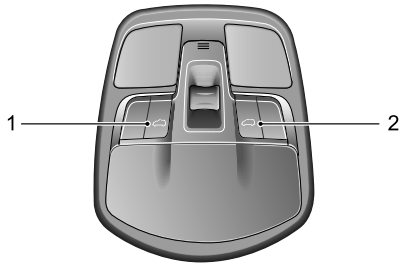
There is only 1 window switch on each occupant door, which can only operate the corresponding occupant door window.

When operating, press the front part of the switch to open the window. Pull the front part of the switch to close the window.



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

Power sunroof



Opening

First pull the curtain back manually, and press the sunroof switch (1) to open power sunroof and enable it to reach the ventilation position. Then, the sunroof slides to the full opening position by a short press on the switch. During this operation, it is possible to press the sunroof switch to enable the glass to stop at the desired position.

Closing

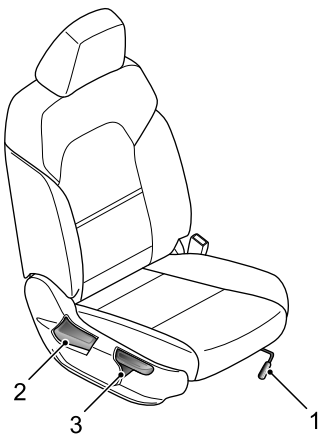
First pull the curtain back manually, and press the sunroof switch (2) to close the power sunroof and enable it to slide to the ventilation position. During this operation, it is possible to press the sunroof switch to enable the glass to stop at the desired position.

Seats

Driver seat adjustment

Do not adjust the driver seat while the vehicle is running. If so, the vehicle may be out of control and result in an accident.

Manually adjusted driver seat



Forward/backward sliding

Pull up the handle (1), and slide the seat to the desired position. Release the handle (1) and confirm that the seat is locked in place.

Backrest Adjustment

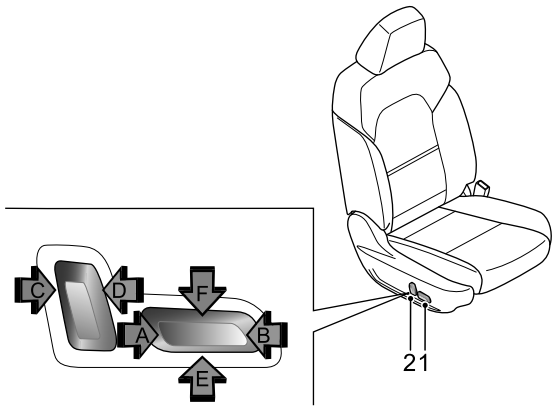
The tilt angle of driver seat should not be too large, the seat belt can provide the maximum protection only when the seat back forms an angle of about 25° with the vertical direction.

With the body tilting slightly forward, pull up the adjusting handle (2), the seat back will automatically bounce back, then recline against the seat back to adjust it to the desired angle. Release the adjusting handle (2) and confirm that the seat back is locked in place.

Cushion Height Adjustment

Pull up the adjusting handle (3) to raise the seat height, and press the handle (3) to lower the seat height. When making significant adjustments, it is required to pull up and press the handle (3) consecutively.

Electrically adjusted driver seat



Caution
Regardless of where the ignition switch is placed, the seat can be freely adjusted. But the electrical adjustment is power consuming, which may drain the battery.

Forward/backward sliding

When the button (1) is pushed forward (arrow A), the seat will move forward, and when the seat slides to the desired position, release the button (1) to stop the seat sliding.

When the button (1) is pushed backward (arrow B), the seat will move backward, and when the seat slides to the desired position, release the button (1) to stop the seat sliding.

Backrest Adjustment

The tilt angle of driver seat should not be too large, the seat belt can provide the maximum protection only when the seat back forms an angle of about 25° with the vertical direction.

When the button (2) is rotated forward (arrow C), the seat backrest will tilt forward, when the seat backrest tilts to the desired position, release the button (2) to stop the tilting.

When the button (2) is rotated backward (arrow D), the seat backrest will tilt backward, when the seat backrest tilts to the desired position, release the button (2) to stop the tilting.

Cushion Height Adjustment

When the button (1) is pulled upward (arrow E), the cushion will move upward, when the cushion raises to the desired position, release the button (1) to stop the cushion movement.

When the button (1) is pressed downward (arrow F), the cushion will move downward, when the cushion raises to the desired position, release the button (1) to stop the cushion movement.

Front passenger seat adjustment

Manually adjusted front passenger seat

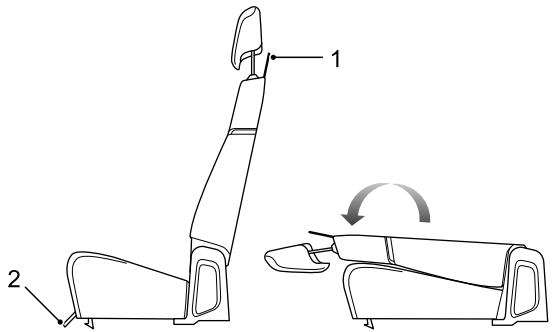
Only forward/backward sliding and seat backrest adjustment can be made, and its adjustment is consistent with that of manually adjusted driver seat.

Electrically adjusted front passenger seat

Its adjustment is consistent with that of electrically adjusted driver seat.

Rear occupant seat adjustment

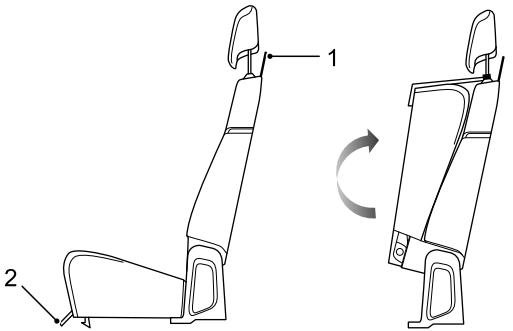
Forward folding of seats



Pull up the strap (1) to unlock the backrest, fold the backrest forward until it snugs against the cushion.

When restoring the seat to its original position, rotate the backrest to the utmost rear end, and press the seat backrest rearward to lock it on the body. When restoring the seat to its original position, please note not to get the seat belt buckle stuck between the rear seat and the panel behind the rear seat.

Rearward folding of seats

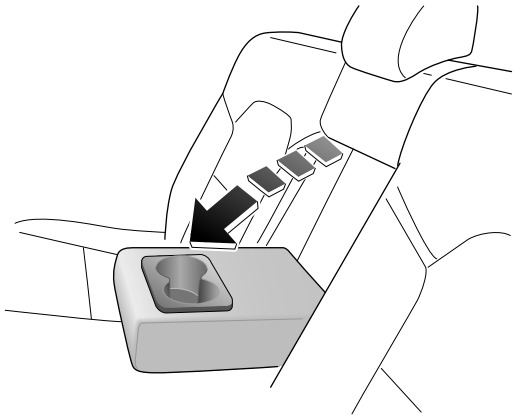


Pull the strap (2) forward below to unlock the cushion, fold the cushion backward until it snugs against the backrest. Take out the hook from the seat bag above the straps (2), then hook it to the head restraint guide rod.

When restoring the seat to its original position, withdraw the hook from the head restraint guide rod, fold the cushion to the utmost front end, and press the cushion down to lock it on the body.

Central armrest

Pull it down and push it forward for use.



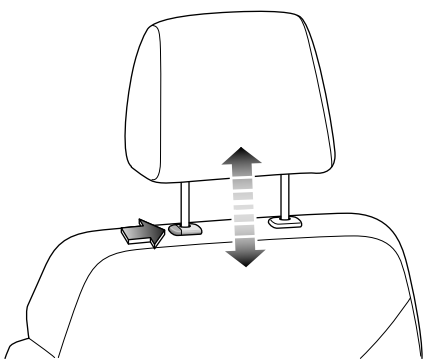
Caution
Do not sit on the central armrest or place heavy objects on it.

Head Restraints

To reduct the risk of neck or head injury, the head restraints shall be adjusted to support the back of the head rather than the neck. Adjust to ensure that the front and rear headrests are in Lock Position(as safety position for use) prior to driving. Do not adjust the head restraint while the vehicle is running.

Press the button indicated by the arrow to press the head restraint downward or pull it upward, so as to adjust the head restraint to the desired position.

The head restraint can be pulled out when lifting it to a certain position.



Occupant Protection Device

Properly Seated

The seats and the occupant protection device are designed to minimize the risks of personal injuries when accident occurs. Observe the following points to achieve the best results.

- Do not make the seat too close to the steering wheel.
- Do not tilt the seat excessively. Do not tilt the seat back more than 30°, so that you can seat yourself vertically with the slightly bent arms and the root of the spine should be backward as possible as you can.
- The center of the head restraints should be adjusted to the back of your head, rather than the neck.
- The shoulder belt should go through the center of your shoulder (adjust its height as necessary), while the hip belt should be put around the hip tightly, rather than the abdomen.

Seat Belt

Improper seat belt wearing or use may result in the serious personal injury or death. The seat belt is one of life-saving equipments. In the event of accidents, the unprotected occupant may knock against any part of the vehicle or be thrown out of the vehicle, resulting in himself/herself or others being injured.

The driver and any adults (including children with body height similar to that of an adult) must always wear a seat belt on all journeys. Do not loosen the belt that fastened on your body. The seat belt must be always fastened tighty around the body to achieve the best protection. Avoid wearing the thick and big volume clothing. Have the shoulder belt of seat belt across the middle of the shoulder and the lap belt across the crotch against the body. The use of loose or twisted seat belt is strictly prohibited, and the seat belt cannot be worn twisted.

Each belt should be used by just one occupant only. Do not put a belt around a child seated on the occupant's lap. The seat belt is intended for use by adult-sized occupants only. Children should be restrained in the correct child restraint device.

The belt should be straight and fastened when you wear it. Otherwise, the belt can not be operated smoothly. The buckle button must be facing outward.

Do not hold an infant or child on your lap. They will become too heavy to restrain in case of collision.

Prevent the foreign materials (especially the sugary food and drinks) from entering the seat belt buckle, as those materials may cause the buckle fault.

If the seat belt has been used in a severe accident or shows signs of severe fraying or having been cut, or when a seat belt is equipped with a pre-loading device, when the latter has been activated, the seat belt assembly shall be replaced.

The expectant mother should ask the doctor about the safest method to wear the belt.

Do not modify or change the seat belt in any way as this may cause the belt fault. Do not disassemble, repair or lubricate the retractor or buckle mechanism.

Each seat belt is equipped with a retractor, when a seat belt is pulled out slowly, the retractor can ensure the smooth retraction of the belt. But if a seat belt is pulled out too fast, or in a sudden impact (hard deceleration, acceleration, and a sharp turn), the seat belt will be locked. Please refer to "Seat Belt" in Maintenance and Service section for specific check methods.

When not in use, be sure to fully retract the seat belt webbing, straighten the webbing and put the locking tab in place, keep the webbing and locking tab clean and away from dust and impurities.

Care shall be taken to avoid erosion to the webbing caused by polishing agents, oils and chemicals (especially battery acid). The belts can be safely cleaned with mild soap and water. The seat belt shall be replaced when the webbing has wear, erosion and damage occurred.

This series of vehicle are equipped with hip-shoulder belts, and this type of belt is classified into the adjustable seat belt without pretensioner, the adjustable seat belt with pretensioner, the adjustable seat belt with dual pretensioners and rear center seat belt. Only the front seat can be equipped with the adjustable seat belt with pretensioner or the adjustable seat belt with dual pretensioners.

When the locking tab is pushed into the buckle, the seat belt is locked until a clear "clicks" is heard.

Adjustable Seat Belt without Pretensioner

Fastening

The seat belt is pulled out of the scroll smoothly, passes through the shoulder to be fastened in front of the body, verify that the belt is not twisted or tied, then push the locking tab into the buckle.

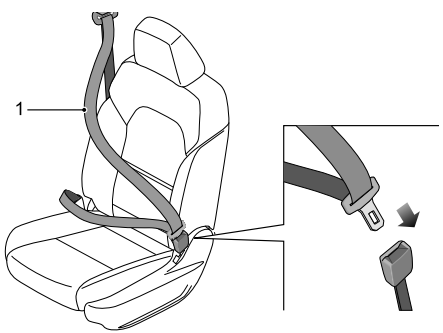
Loosening

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

Adjustable Seat Belt with Pretensioner (Shoulder Belt Pretensioner)

In the event of serious collision accident, the pretensioner (integrated into the retractor) will be activated by the sensor, the shoulder belt (1) will be contracted a little immediately to prevent the occupants from moving forward and make them seated securely, so that it improves the function of the seat belt further.

The fastening and loosening methods for the adjustable seat belt with pretensioner (shoulder belt pretensioner) is similar to that of the adjustable seat belt without pretensioner.



Adjustable Seat Belt with Dual Pretensioners (Shoulder / Hip Belt Pretensioner)

In the event of serious collision accident, the dual pretensioners (one integrated into the retractor, the other integrated into the side hip belt alarm) will be activated by the sensor, the shoulder belt (1) and the hip belt (2) will be contracted a little immediately at the same time to prevent the occupants from moving forward and make them seated securely, so that it improves the function of the seat belt further.

Fastening

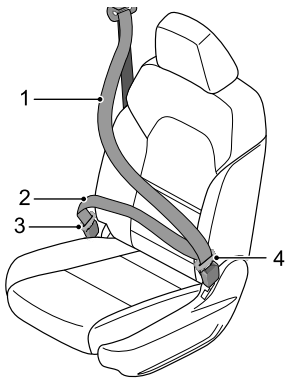
The seat belt is pulled out of the scroll, passes through the shoulder to be fastened in front of the body, verify that the belt is not twisted or tied, then push the movable tab (4) into the buckle that inside of the seat.

Loosening

Press the red button on the inner buckle, then the movable tab (4) will pop out under the action of the elastic force. Push the locking tab back manually, so that the automatic seat belt retractor can contract the whole seat belt more easily.

The outer locking tab (3) does not need to be unlocked in the daily use.

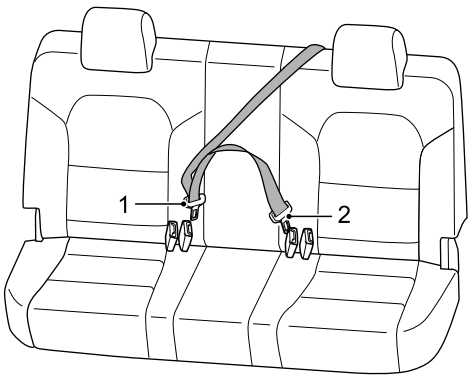
Caution
The outer locking tab (3) should be unlocked by using the special tool, please ask our Service Dealer to unlock it, if necessary.



Rear Seat Center Belt

Fastening

Pull the seat belt out of the rear quarter, push the fixed tab (2) into the left buckle, then the movable tab (1) is passed through the abdomen and pushed into the right buckle.

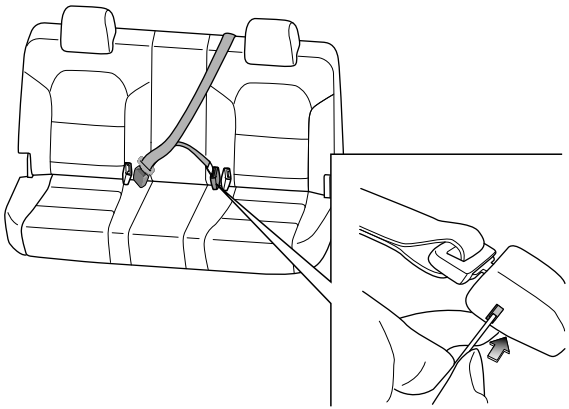


Loosening

The movable tab (1) is unlocked by pressing the red button on the right buckle.

The fixed tab (2) can be drawn out by inserting the key or other sharp objects into the left buckle unlocking hole. Push

the locking tab back manually, so that the automatic seat belt retractor can contract the whole seat belt more easily.



Seat Belt Warning Lamp

Please refer to "Information Center" and "Warning Lamps and Indicators" in this section for more details about the seat belt warning lamp.

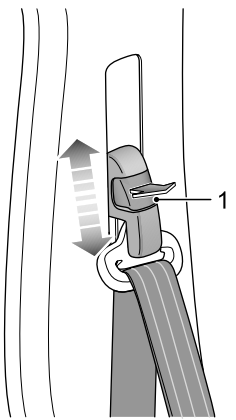
Seat Belt Height Adjustment

Ensure that the sliding adjuster is secured after the adjustment.

Do not adjust the height of the driver seat belt when driving, or the vehicle may be out of control.

Only the height of the driver and front passenger seat's hip-shoulder belt can be adjusted.

Pull the button (1) outward and slide the vertical adjuster on the top of the belt up and down to suit the occupant height. Release the button (1) at the proper position, pull the seat belt forcibly to ensure that the vertical adjuster is locked reliably.



Seat Belt Pretensioner

Do not damage or repair the pretensioner. As it contains the ignition device, so it can only be repaired by our Service Dealer.

The pretensioner will be invalid once being activated, so it must be replaced. Ensure that Service Dealer has checked and repaired the pretensioners and all seat belt components after the collision.

The seat belt pretensioner works with the airbag to reduce the risk of injury caused by the frontal impact. Refer to the "Airbag" in this chapter for more information.

Airbag

None protection device is absolutely safe, when used to avoid the occurrence of serious collision, it may result in the personal injury or death. Even though the seat belt is worn properly and the airbag is inflated, it may also result in the personal injury or death.

When inflated, some components of the airbag will be hot, so do not contact it before cooling down.

Airbag inflation may lead to the occupant facial abrasions or other injuries, such injuries can be minimized only if you and your occupants wear the seat belt.

The driver seat should be adjusted to the back as far as possible without affecting your driving.

Always hold the steering wheel rim, so that the airbag would not be interfered when inflating.

Do not put any accessory (eg. mobile phone holder, cup base, tray) on the steering wheel cover or the airbag cover plate of the instrument panel, also do not paste (or insert) any objects onto the airbag module cover. Otherwise, it will affect the airbag inflation, or these objects will be blown to any area of the interior when the airbag is inflated, resulting in the occupant injury.

The occupants must not contact or access to the airbag cover plate of the instrument panel with their foot, knee or other body parts, or it may impede the deployment of the airbag.

The seat belt pretensioner works with the airbag to reduce the risk of injury caused by the frontal impact.

Do not remove or knock the steering wheel violently, also do not punch the steering wheel.

The space between the driver and the airbag deployment area should not be occupied by others, animals or objects. So is the occupant side equipped with airbag.

Do not repair the steering wheel, steering column, any airbag unit, pretensioner component or airbag component surrounded with wiring by yourself, or the airbag may be activated accidentally, resulting in personal injury.

Do not modify the front of the vehicle in any way as this may affect the deployment of airbag.

The disposal of the undeployed airbag on the vehicle exists the potential risk, it should be deployed before the disposal. This operation must be performed by the professionals.

This vehicle can be equipped with the driver airbag, front passenger airbag, front seat side airbag and side curtain airbag.

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

Caution
• A loud noise may be heard and a little of gases similar to smoke and the dust will be released when the airbag is activated. Such smoke would not be harmful to the health. The dust may cause the skin irritation, so wash the skin area with soap and water. • For safety reasons, the airbag should be replaced every 10 years, you are recommended to have it replaced by our Service Dealer. The owner has the obligation to inform the buyer about the Notices and Cautions listed above when the vehicle is sold. The original owner is considered to fulfill his/her obligation once these instruction files (see Owner Warranty and Maintenance Manual) are delivered to new owner.

Airbag and Pretensioner Inspection

If the ignition switch is turned on, the warning light is not turned on or not turned off after 6 seconds, or turned on when driving, it indicates that the airbag pretensioner or the airbag is faulty. Please contact our Service Dealer for repair as soon as possible.

Once the ignition switch is turned to the ON position, "Airbag warning light (red)" will  blink for about 6 seconds, indicating that the airbag and the seat belt pretensioner are being checked.

Airbag Deployment

In the event of a collision, the airbag control unit monitors the rate of deceleration or acceleration induced by the collision, then determines whether the airbags should be deployed.

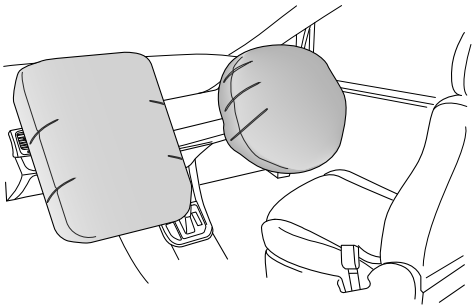
Operation of the airbag is not dependent on the vehicle's speed, but on the collision objects, the collision direction and the rate at which the car decelerates. Deployment of the airbag should not be determined by the vehicle's damage severity.

Airbag deployment is virtually instantaneous and occurs with considerable force, accompanied by a loud noise. The deployed airbag, together with the seat belt restraint system, limit the movement of the driver and the front passenger, thereby reducing the risk of injury to the head and upper torso.

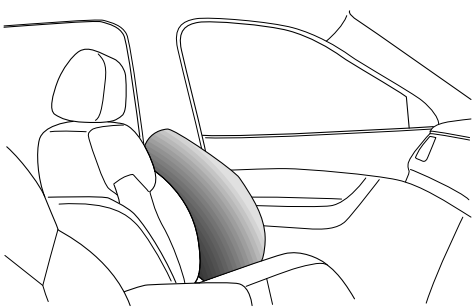
After the deployment, the airbags deflate immediately, which ensures that the driver's forward vision is not obscured.

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

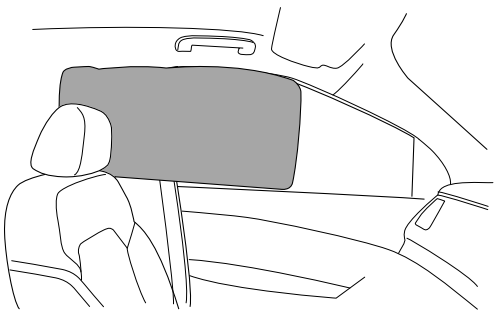
- Schematic Diagram for Deployment Area of Driver and Front Passenger Airbags



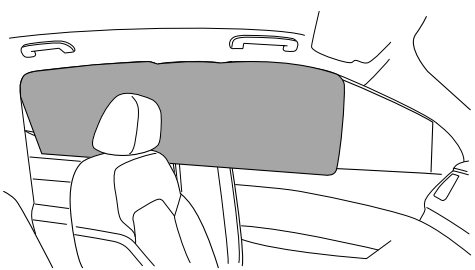
- Schematic Diagram for Deployment Area of Front Seat Side Airbags



- Schematic Diagram for Deployment Area of Single Vehicle Side Curtain Airbags



- Schematic Diagram for Deployment Area of Double Vehicle Side Curtain Airbags



Replacement of SRS Components after a Collision

Collision accidents may damage the SRS on the vehicle. Airbags may not function properly after damage, and can not protect you and other passengers when a collision accident occurs, which may cause the serious personal injury or death. To ensure that SRS can function properly after the collision, please ask our Service Dealer to check and repair the SRS as necessary.

Once the airbag is inflated, the parts of SRS need to be replaced. Please contact our Service Dealer for repair as soon as possible.

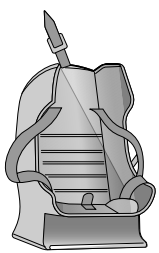
Child Restraints (not available with the vehicle)

May result in death or serious injury!

The airbag can kill the children under 12-year old. The backward-facing child or infant restraint device is prohibited being installed on the front seat, otherwise it will result in the serious children or infant injury or death when the airbag is expanded. Seat yourself far away from the airbag as possible as you can.

Observe the instructions provided by the infant or child restraint device's manufacturer if you are installing or using such device.

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.



Compared with adults, children are more vulnerable by the expanded airbag. So, it is recommended that the children under 12 years old should seat on the rear seat. Generally the babies under 2 years old should use the infant restraints, and the children aged from 2 to 4 years old should use the children restraints. The infant or children restraints are available in the market.

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. When making the choices, it is important to note that if this protection device is suitable for your vehicle.

Child Restraint Seat Anchor

This vehicle has 4 ISOFIX standard interfaces on the three-abreast rear seat and some models also have 2 TOP TETHER interfaces on the seat back panel. Observe the instructions provided by the child restraint seat manufacturer for removal and installation.

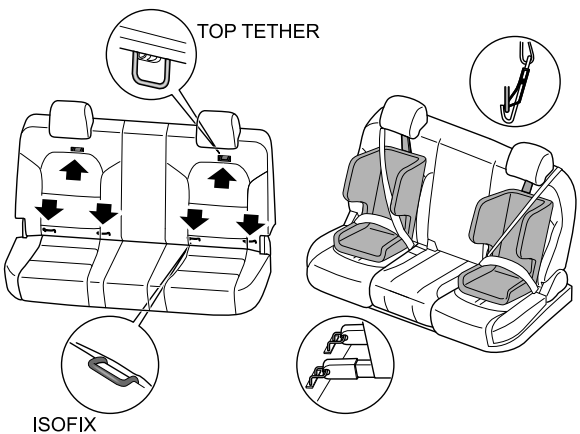
Installation Methods for Child Restraint Seat

1 Route the top tether strap over the seatback and attach to the corresponding child restraint anchorage hook, being careful not to twist the strap. When securing, you must make sure that the top strap passes through the seat headrest(This step only applies to those models with TOP TETHER anchorage). Unless using ISOFIX lower anchorages, use

the seatbelt complete the installation in line with the child restraint manufactures instructions.

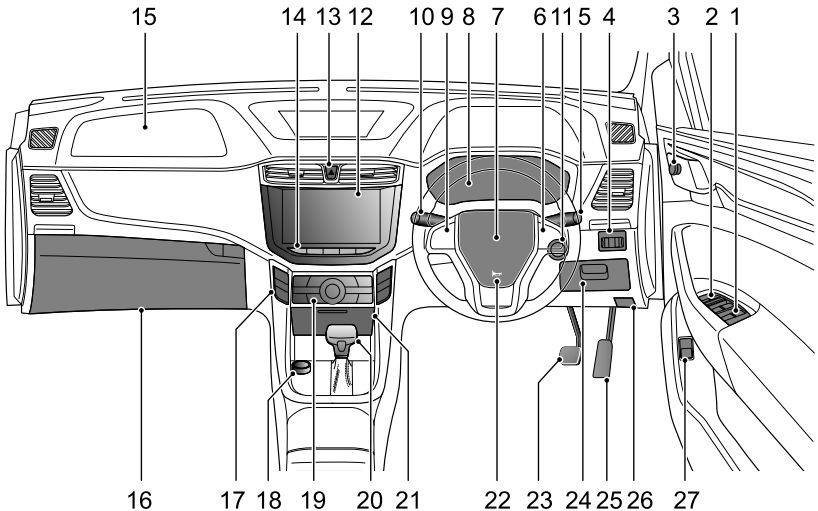
2 Insert the child restraint seat into the ISOFIX retaining ring until it is engaged reliably, the heard "click" sound indicates that it is installed in place.

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



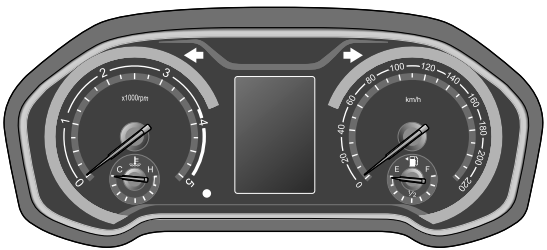
Caution
It would be best to fix the infant or child restraint device on the rear seat. If the infant or child restraint device must be placed on the front seat when driving, you must use the forward-facing infant or child restraint device. The infant or child restraint device must be fixed correctly regardless of its installation position. Keep in your mind that if the infant or child restraint device is not fixed, it may move and hurt other passengers in the vehicle in the event of collision or sudden braking. Therefore, all infant or child restraint devices must be properly secured in the vehicle even there are no infants or children sitting inside.

Instruments and Controls



1 Door window control switches
2 Central lock switch
3 Exterior rearview mirror power adjustment switch
4 Headlamp leveling switch, instrument panel illumination control switch
5 Combination lamp control and direction indicator lamp stalk, instrument setting switch
6 Volume control, mute, audio source and Bluetooth phone switch
7 Driver airbag
8 Instrument pack
9 Cruise, voice dialogue system and custom setting switch
10 Wiper and washer stalk, instrument menu switch
11 Ignition switch
12 Entertainment system
13 Hazard warning lamp switch
14 Entertainment system control switch
15 Front passenger airbag
16 Glove box
17 Central control switch group
18 Four wheel drive system (4WD) switch
19 A/C control panel
20 Shift lever
21 Ashtray
22 Horn button
23 Brake pedal
24 Storage compartment
25 Accelerator pedal
26 Hood release
27 Fuel filler flap release switch

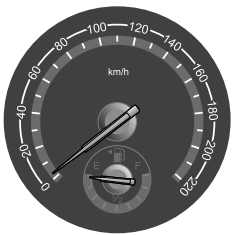
Instrument Pack



Caution
Do not place any objects in front of the instrument pack, so as not to obstruct the dial and warning lamps.

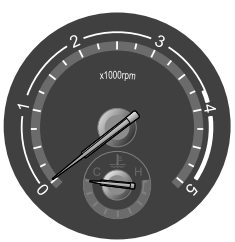
Speedometer

The speedometer displays the vehicle speed in kilometers per hour (km/h).



Tachometer

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



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

Fuel Gauge

When the ignition switch is placed in "ON" position, Low Fuel warning lamp (yellow) illuminates, and goes out after the system has completed the self-check, and the pointer will indicate the approximate fuel amount in the fuel tank. When the yellow warning lamp stays on or illuminates, please refuel as soon as possible.



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

Engine Coolant Temperature Gauge

When the ignition switch is placed in "ON" position, Engine Coolant Temperature warning lamp (red) illuminates, and goes out after the system has completed the self-check, and the pointer will indicate the engine coolant temperature. When the pointer roughly points to the middle position of the scale, it indicates that the coolant temperature is normal. If the coolant is overheated, the red warning lamp in the instrument pack will illuminate.



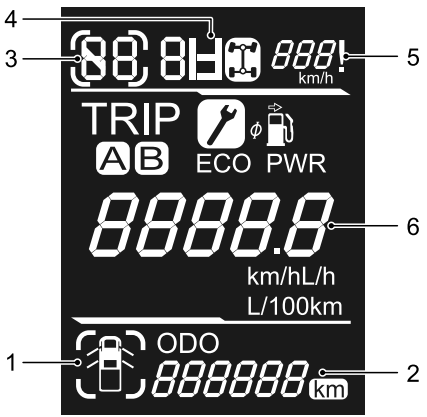
Caution
If the red warning lamp illuminates, please stop the vehicle as soon as possible when the safety permits, turn off the engine to cool down the coolant, and contact Service Dealer to check the engine cooling system.

Caution
For vehicles with SC20M163Q5A diesel engine, if low coolant level warning function is available, 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.

Information Center

Information Center Type 1

The information center display screen is located in the middle of instrument cluster.



1 Door ajar reminder

2 Total mileage

3 Gear display

4 4WD-mode indicator lamp

5 Set Speed

6 Trip computer interface

Trip computer interface

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

- Trip A

  Displays the driving mileage of the vehicle since last setting. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Reset the trip by long pressing the instrument setting switch SET button on the combination switch.

- Trip B

  Displays the driving mileage of the vehicle since last setting. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Reset the trip by long pressing the instrument setting switch SET button on the combination switch.

- Average fuel consumption

  Average fuel consumption displays the approximate average fuel consumption calculated on the basis of different fuel consumption values per 100km recorded in the menu item since last reset. It can be reset by long pressing the instrument setting switch SET button on the combination switch.

- Instantaneous fuel consumption

  This function automatically displays the instantaneous fuel consumption of currently operating engine.

- Driving mileage

  This function automatically calculates and displays the remaining driving mileage for the vehicle before the fuel is used up. The mileage will change correspondingly after refueling.

- Remaining maintenance mileage

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

- Average speed

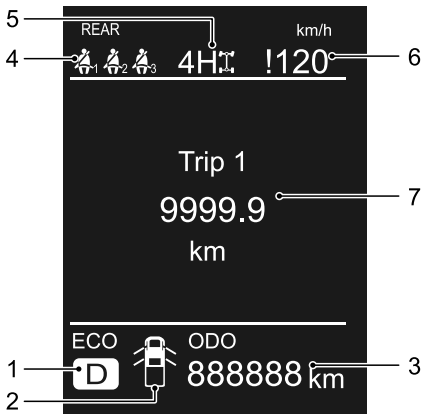
  Average speed displays the approximate average speed calculated on the basis of the accumulated mileage and ignition switch-on time recorded in the menu item since last reset. It can be reset by long pressing the instrument setting switch SET button on the combination switch.

- Current speed

  It displays the current speed.

Information Center Type 2

The information center display screen is located in the middle of instrument cluster.



1 Gear display

2 Door ajar reminder

3 Total mileage

4 Rear Seat Belt Warning Lamp

When the ignition switch is placed in ON position, the Rear Seat Belt Warning Lamp illuminates, the system will conduct a self-check, and the lamp will go off after several seconds. If the Rear Seat Belt Warning Lamp is on for a short time, it indicates that the back seat belt is not properly secured, please fasten your seat belt. When the vehicle speed is higher than 25km/h, the Rear Seat Belt Warning Lamp is on for a short time or flash for a short time and sound a warming, it indicates that the back seat belt is not properly secured, please fasten your seat belt.

5 4WD-mode indicator lamp

6 Set Speed

7 Trip computer interface

Trip computer interface

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

- Trip 1

  Displays the driving mileage of the vehicle since last setting. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Reset the trip by long pressing the instrument setting switch SET button on the combination switch.

- Trip 2

  Displays the driving mileage of the vehicle since last setting. The trip will automatically reset to zero and continue counting after it reaches the maximum reading. Reset the trip by long pressing the instrument setting switch SET button on the combination switch.

- Average Fuel Consumption

Average fuel consumption displays the approximate average fuel consumption calculated on the basis of different fuel consumption values per 100km recorded in the menu item since last reset. It can be reset by long pressing the instrument setting switch SET button on the combination switch.

- Instantaneous fuel consumption

  This function automatically displays the instantaneous fuel consumption of currently operating engine.

- Driving mileage

  This function automatically calculates and displays the remaining driving mileage for the vehicle before the fuel is used up. The mileage will change correspondingly after refueling.

- Remaining maintenance mileage

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

- Average speed

  Average speed displays the approximate average speed calculated on the basis of the accumulated mileage and ignition switch-on time recorded in the menu item since last reset. It can be reset by long pressing the instrument setting switch SET button on the combination switch.

- Current speed

  It displays the current speed.

- Tire pressure information

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

  Note: For vehicles equipped with the tire pressure monitoring system, after tires are inflated or deflated in static state, the tire pressure display value will not be updated until the vehicle speed reaches 30km/h.

Warning message interface

Prompt warning interface

- Rain sensor on
- Rain sensor off
- Automatic lighting on
- Automatic lighting off

Note: The interfaces above only pop up for warning, and the fault message interface does not include them.

Tire pressure monitoring warning interface

- Wait for learning
- Fast leakage and low pressure
- Low tire pressure
- High tire pressure
- System failure
- Low battery

Door ajar warning interface

- Door ajar

PEPS warning interface

- Place the key in the storage box
- No key is detected
- Low key battery
- Depress the brake pedal and press the ignition switch during starting
- Depress the clutch pedal all the way down and press the ignition switch during starting
- Start after the gear is shifted to P/N
- Please start the engine after warmup
- Please shift the gear to P for flameout

Other warning interfaces

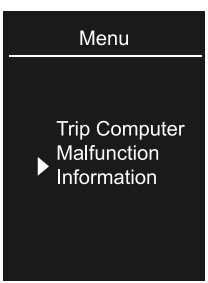
- Release the parking brake
- Width lamps on
- Key in ignition
- Overspeed
- Lane departure
- Brake fluid insufficient
- Please service the airbag
- Please have the vehicle maintained immediately
- XXX KM before the next maintenance
- Blind spot monitoring system failure
- Please have a rest
- Please have a rest after a long drive!
- Low oil pressure
- Engine hood ajar
- Please turn the steering wheel to unlock

Note: When a warning interface pops up, short press the instrument menu switch button on the combination switch to confirm the message in turn, or the system will automatically confirm the message if no operation is conducted within 10s. Return to the original interface after confirmation.

Caution
If multiple warning messages exist simultaneously, they will be displayed in turn according to the priority order.

Fault Message interface

Long press the instrument menu switch button to enter the menu selection interface; short press the instrument menu switch button to select "Fault Message".



Short press the instrument setting switch SET button on the combination switch to enter the fault message interface. "No fault at present" will be displayed if there is no fault.



The corresponding warning message interface will be displayed if there is any fault.

Short press the instrument menu switch button on the combination switch to switch between the warning interfaces. Long press the instrument menu switch button on the combination switch to return to the previous interface.

Note: The fault message interface can be operated only when the vehicle speed is zero. It will automatically return to the Trip Computer interface when the vehicle speed is more than zero. It will automatically return to the Trip Computer interface if no operation is conducted within 10s.

Fatigue Reminder and Attention Assist (Fatigue Detection)

Fatigue Reminder and Attention Assist (Fatigue Detection) function is to remind the driver not to drive the vehicle in fatigue. The system will record the continuous driving time, while monitoring the steering wheel input in real time, to recognize whether the driver needs a rest or not.

Fatigue Reminder

- When the vehicle is running, once the system detects the steering wheel angle laws to meet the fatigue driving conditions, the instrument cluster display will show the following interface, accompanied with voice prompts.



Or, due to different vehicle configurations, the display will continuously show the following interface, accompanied with voice prompts.



It indicates that the system suggests the driver to take a short break, please stop and rest.

- When the vehicle is running, once the system detects that the continuous driving time exceeds 2 hours and the vehicle speed is higher than 65km/h, the instrument cluster display will show the following interface, accompanied with voice prompts.



Or, due to different vehicle configurations, the display will show the following interface, and the interface flickers, accompanied with voice prompts .



It indicates that the system suggests the driver to take a short break, please stop and rest.

Caution
• Do not drive the vehicle in fatigue. The driver is always responsible for his ability to drive. • Long time driving needs enough regular rests. • The system does not recognize the need for rest in all cases.

Tire Pressure Monitoring System

Tire pressure monitoring system can make a real-time automatic monitoring on the tire conditions, thus providing an effective safety guard for driving.

When a tire is under-inflated, over-inflated, goes flat quickly or the system is malfunctional during the driving, "Tire Pressure Monitoring System Warning Lamp (yellow)"  on the instrument cluster will illuminate, accompanied with a voice prompt.

The instrument display will show a warning interface, please refer to "Tire pressure monitoring warning interface" in the "Information Center Type 2".

Warning Lamps and Indicators

Direction Indicator

The right or left "direction indicator (green)" blinks when making a turn. The right and left direction indicators blink simultaneously when the hazard warning lamp switch is pressed.

Note: If either direction indicator is blinking quickly, this indicates that the bulb of turning signal lamp on this side is faulty.

Front Fog Lamp Indicator

"Front Fog Lamp Indicator (green)" illuminates when the front fog lamp is turned on.

Headlamp High Beam Indicator

If the headlamp high beam is turned on or the headlamp is blinking, "Headlamp High Beam Indicator (blue)" illuminates.

Rear Fog Lamp Indicator

"Rear Fog Lamp Indicator (yellow)" illuminates when the rear fog lamp is turned on.

Width Lamp Indicator

"Width Lamp Indicator (green)" illuminates when the width lamp is turned on.

AFS (Adaptive Front Lighting System) Warning Lamp

When the ignition switch is turned to the ON position, "AFS warning lamp (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If the warning lamp stays on or illuminates while driving, it indicates that the AFS or high/low beam lamps have malfunction, please contact Service Dealer for service as soon as possible.

AFS (Adaptive Front Lighting System) OFF Indicator



When the ignition switch is turned to the ON position, "AFS OFF Indicator (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If AFS is turned off, "AFS OFF Indicator (yellow)" illuminates.

Airbag Warning Lamp

When the ignition switch is turned to the ON position, "Airbag Warning Lamp (red)" is turned on, the system conducts the self-check and the lamp goes off after several seconds.

If this warning lamp does not illuminate or blinks, stays on, or illuminates or blinks during driving, it indicates that the SRS has a malfunction. Please contact Service Dealer for service as soon as possible.

Refer to "Airbag" in this chapter for the information on the airbag device.

Driver Seat Belt Warning Lamp

When the ignition switch is placed in ON position, if the driver seat belt is not properly fastened, "Driver Seat Belt Warning Lamp (red)" will illuminate. If any of the following conditions is met, the "Driver Seat Belt Warning Lamp (Red)" will flash, accompanied with alarm tones, and the alarm time is greater than 90 seconds:

1 When the seat belt is not properly fastened, and the engine starts for more than 50 seconds;

2 When the seat belt is not properly fastened, and the vehicle speed exceeds 20km/h;

3 When the seat belt is not properly fastened, and the vehicle has traveled for more than 400m;

4 When the seat belt is not properly fastened, and the vehicle has traveled for more than 50 seconds.

If any of the following conditions is met, the warning lamp will stop flashing, and the alarm tones will stop:

1 When the seat belt is not properly fastened, and the engine stops running;

2 When the seat belt is not properly fastened, and the reverse gear is engaged;

3 When the seat belt is not properly fastened, and the warning lamp flashes and the alarm tones sounds for more than 90 seconds.

When the seat belt is fastened, "Driver Seat Belt Warning Lamp (red)" goes off.

Front Passenger Seat Belt Warning Lamp



When the ignition switch is placed in ON position, if the front passenger seat belt is not properly fastened, "Front Passenger Seat Belt Warning Lamp (red)" will illuminate. If any of the following conditions is met, the "Front Passenger Seat Belt Warning Lamp (Red)" will flash, accompanied with alarm tones, and the alarm time is greater than 90 seconds:

1 When the seat belt is not properly fastened, and the engine starts for more than 50 seconds;

2 When the seat belt is not properly fastened, and the vehicle speed exceeds 20km/h;

3 When the seat belt is not properly fastened, and the vehicle has traveled for more than 400m;

4 When the seat belt is not properly fastened, and the vehicle has traveled for more than 50 seconds.

If any of the following conditions is met, the warning lamp will stop flashing, and the alarm tones will stop:

1 When the seat belt is not properly fastened, and the engine stops running;

2 When the seat belt is not properly fastened, and the reverse gear is engaged;

3 When the seat belt is not properly fastened, and the warning lamp flashes and the alarm tones sounds for more than 90 seconds.

When the seat belt is fastened, "Front Passenger Seat Belt Warning Lamp (red)" goes off.

Brake System Warning Lamp



When the ignition switch is turned to the ON position, if the parking brake is applied, "Brake System Warning Lamp (red)" illuminates, it will go off once the parking brake is released completely.

When the brake fluid level is below the normal range, "Brake System Warning Lamp (red)" will also illuminate.

If the warning lamp stays on when the parking brake is released, it indicates that the brake system is faulty, stop the vehicle immediately, and contact Service Dealer for service as soon as possible.

ABS (Anti-lock Brake System) Warning Lamp



When the ignition switch is turned to the ON position, "ABS warning lamp (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If the warning lamp stays on or illuminates while driving, it indicates that the ABS has a malfunction, please contact Service Dealer for service as soon as possible.

Note: Even if the ABS is faulty, the brake system can still be used for braking (ABS is disabled at this time). Refer to "Brake System" in the Starting and Driving chapter for ABS information.

EBD (Electronic Brake Force Distribution) Warning Lamp



When the ignition switch is turned to the ON position, "EBD warning lamp (red)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If the warning lamp stays on or illuminates during driving, it indicates that the brake system has a malfunction, please contact Service Dealer for service as soon as possible.

ESP (Electronic Stability Program) Indicator



When the ignition switch is turned to the ON position, "ESP Indicator (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

"ESP Indicator (yellow)" blinks when the electronic stability program is operating.

If the warning lamp remains on, it indicates that the electric stability program has a malfunction, please contact Service Dealer for service as soon as possible. Refer to "Brake System" in the Starting and Driving chapter for ESP information.

ESP (Electronic Stability Program) OFF Indicator



When the ignition switch is turned to the ON position, "ESP OFF Indicator (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

When the ESP OFF switch is pressed and the ESP is turned off, "ESP OFF Indicator (yellow)" illuminates. Refer to "Instrument Panel Switch" in this chapter for information on the ESP OFF switch.

Hill Descent Indicator

When the Hill Descent is activated and the operating conditions are met, "Hill Descent Indicator (yellow)" illuminates. When the "Hill Descent Indicator (yellow)" blinks, it indicates that the hill descent system is operating. Refer to "Instrument Panel Switch" in this chapter for information on the hill descent switch.

If the hill descent is turned off or the system is faulty, "Hill Descent Indicator (yellow)" goes off. Refer to "Brake System" in the Starting and Driving chapter for the hill descent information.

Fuel Filter Water Level Warning Lamp

When the ignition switch is turned to the ON position, "Fuel Filter Water Level Warning Lamp (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

Caution
If the warning lamp illuminates during driving, stop the vehicle as soon as possible and drain the water from the fuel filter. If not the engine will limit torque. Refer to "Water Draining of Fuel Filter" in the Treatments to Emergency Fault for the information on the water draining of the fuel filter.

Glow Plug Indicator

When the ignition switch is turned to the ON position, "Glow Plug Indicator (yellow)" illuminates, the system conducts the self-check. If the indicator goes off when the preset time elapsed, it indicates that the engine can be started.

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

Engine Malfunction Warning Lamp

When the ignition switch is turned to the ON position, "Engine Malfunction Warning Lamp (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If this lamp stays on after the engine is started or illuminates or blinks while the vehicle is in motion, it indicates a failure in the engine control system.

If the warning lamp illuminates but the vehicle can still be driven, please contact Service Dealer for service as soon as possible, you can continue to drive it. If the warning lamp illuminates and the vehicle can not be driven, please contact Service Dealer for service immediately.

If the warning lamp blinks, it indicates that the soot particles accumulated in DPF (Diesel Particulate Filter) exceed the standard values, the following operations can prevent the DPF from blocking:

- Driving the vehicle at the speed 60 ~ 80 Km/h or above
- Drive the vehicle for about 30 minutes
- The engine speed maintains at about 2000 rev/min.

If the warning lamp still blinks after these operations, please contact Service Dealer for service as soon as possible.

If the warning lamp blinks and "Emission MIL (yellow)" illuminates, please contact Service Dealer for service as soon as possible.

Emission MIL

When the ignition switch is turned to the ON position, "Emission MIL (yellow)" illuminates, the system conducts the self-check and goes off after the engine is started. If the warning lamp illuminates, it indicates that the engine performance and the emission system are faulty. Please contact Service Dealer for service as soon as possible, meanwhile, avoid the too high engine speed or fast acceleration.

Oil Pressure Warning Lamp

When the ignition switch is turned to the ON position, "Oil Pressure Warning Lamp (red)" illuminates, and goes off after the engine is started.

If the warning lamp stays on after the engine is started or illuminates during driving, please shut down the engine immediately and check the oil level. Refer to "Engine Oil" in the Maintenance and Service chapter.

Caution
Even if the oil level is normal, do not restart the engine, please contact Service Dealer for service as soon as possible.

Engine Immobiliser Warning Lamp

When the ignition switch is turned to the ON position, "Engine Immobiliser Warning Lamp (yellow)" illuminates, the system conducts the self-check and the lamp goes off after several seconds. If the engine immobiliser is authenticated successfully, "Engine Immobiliser Warning Lamp (yellow)" remains dark and the engine can be started.

If the "Engine Immobiliser Warning Lamp (yellow)" blinks, it indicates that the immobiliser control system has a malfunction,

the engine can not be started, please contact Service Dealer for service immediately.

Body Theft Deterrent Warning Lamp

When the vehicle is in the armed state, "Body Theft Deterrent Warning Lamp (red)" blinks.

When the vehicle is out of the armed state, "Body Theft Deterrent Warning Lamp (red)" goes off.

If the theft deterrent alarm is triggered, the "Body Theft Deterrent Warning Lamp (red)" blinks, accompanied with audible and visible alarm.

Tire Pressure Monitoring System Warning Lamp

When the ignition switch is turned to the ON position, "Tire Pressure Monitoring System Warning Lamp (yellow)" illuminates, the system conducts the self-check and goes off after several seconds. When the tire pressure monitoring system has a malfunction, "Tire Pressure Monitoring System Warning Lamp (yellow)" illuminates, please contact Service Dealer for service as soon as possible.

Battery Charging Indicator

When the ignition switch is turned to the ON position, "Battery Charging Indicator (red)" illuminates, and goes off after the engine is started.

Caution
If the warning lamp stays on after the engine is started or illuminates during driving, it indicates that the charging system has a malfunction, please contact Service Dealer for service as soon as possible.

Cruise Indicator

With the ignition switch placed in ON position, when the cruise system is in standby state, the "Cruise Indicator (white)" illuminates, when the system is in activation state, the "Cruise Indicator (green)" illuminates.

4WD Malfunction Warning Lamp



When the ignition switch is turned to the ON position, "4WD Malfunction Warning Lamp (red)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

If the warning lamp stays on after the engine is started or illuminates during driving, it indicates that the 4WD system has

a malfunction, please contact Service Dealer for service as soon as possible. Refer to "Four Wheel Drive (4WD)" in the Starting and Driving chapter for the 4WD information.

Lane Departure Alert Warning Lamp

With the ignition switch placed in ON position, when the lane departure alert system is operating, "Lane Departure Alert Warning Lamp (green)" illuminates.

If the alert conditions are met, "Lane Departure Warning Lamp (yellow)" blinks, accompanied with buzzer alarm.

When this feature is turned off or the vehicle can not recognize the lane line, "Lane Departure Warning Lamp (yellow)" illuminates.

If this system is not powered on or connected to the network, "Lane Departure Warning Lamp (yellow)" blinks.

Refer to "Lane Departure Alert System" in the Starting and Driving chapter for information on the lane departure alert system.

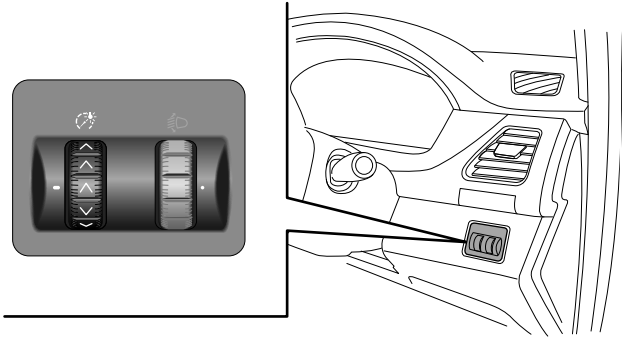
Towing Indicator

When the ignition switch is turned to the ON position, "Towing Indicator (green)" illuminates, the system conducts the self-check and the lamp goes off after several seconds.

Instrument Panel Switch

Instrument panel illumination control switch

The instrument panel illumination control switch is located on the instrument panel at driver side, which is on the outboard side of the steering wheel.



Adjust the instrument panel illumination brightness with the instrument panel illumination control thumbwheel switch.

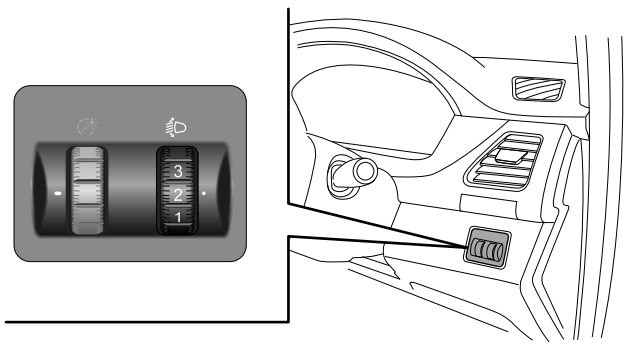
Move the thumbwheel switch up/down to brighten or dim the illumination lamp.

Headlamp leveling switch

The headlamp leveling switch is located on the instrument panel at driver side, which is on the outboard side of the steering wheel.

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

To adjust the headlamp leveling, headlamp low beam must be turned on.



Adjust the headlamp leveling by moving the thumbwheel upwards or downwards. With the change of vehicle load, please adjust headlamp leveling in accordance with the following requirements.

- Position 0: The front passenger seat is occupied.
- Position 1: All seats are occupied.
- Position 2: All seats are occupied and there is goods in the cargo compartment.
- Position 3: The driver's seat is occupied and there are goods in the cargo compartment.

Adaptive Front-Lighting System

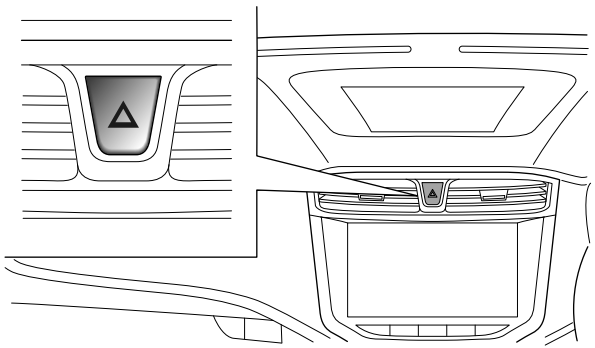
If your vehicle is equipped with AFS (adaptive front-lighting system), the AFS will automatically adjust the direction of the headlight beams based on the speed of the vehicle, the load on the vehicle, and the steering-wheel input for controlling the wheels.

The beam will automatically adjust to the left or right when turning, following the direction of the turn.

When driving with passengers or luggage within the vehicle, the headlight beam will automatically adjust up or down.

Note: The headlamp beam aiming is extremely important for driving safety. If the AFS is faulty, please contact Service Dealer for service as soon as possible.

Hazard warning lamp switch

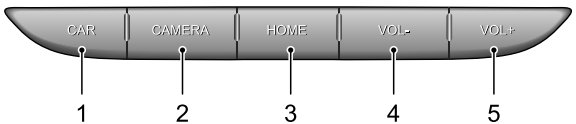


Press the hazard warning lamp switch ⚠ to activate all turning signal lamps meanwhile, and the "direction indicator lamp (green)" on the instrument cluster will illuminate and flash. Then press this switch to turn off the above lamps.

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

Entertainment system control switch

Equipped with 360° view switch



Position 1 – CAR: Vehicle state mode switch. Press CAR to view vehicle state data.

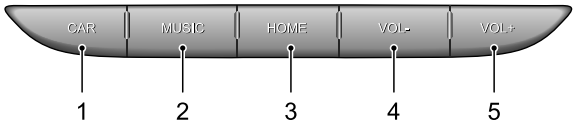
Position 2 – CAMERA: 360° view On switch. Press CAMERA to enable 360° view function.

Position 3 – HOME: Main interface mode switch. Press HOME to return to the home page; long press HOME for 3s to enter the no disturbing mode; long press this button for 10s to reboot.

Position 4 – VOL-: Volume down control switch. Press VOL- Volume down.

Position 5 – VOL+: Volume up control switch. Press VOL+ Volume up.

Not equipped with 360° view switch



Position 1 – CAR: Vehicle state mode switch. Press this button to view vehicle state data.

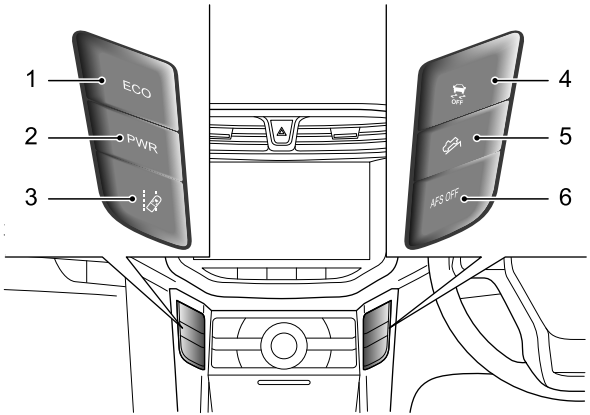
Position 2 – MUSIC: USB music mode switch. After inserting a USB flash disk, press MUSIC to enter the music playback mode.

Position 3 – HOME: Main interface mode switch. Press HOME to return to the home page; long press HOME for 3s to enter the no disturbing mode; long press this button for 10s to reboot.

Position 4 – VOL-: Volume down control switch. Press VOL- Volume down.

Position 5 – VOL+: Volume up control switch. Press VOL+ Volume up.

Central control switch block



Position 1 – ECO: Economic mode switch. Press ECO, then the vehicle will drive in the economic mode with relatively weak engine power.

Position 2 – PWR: Power mode switch. Press PWR, then the vehicle will drive in the sport mode with relatively strong engine power.

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

the "lane departure warning lamp" on the instrument cluster will illuminate in yellow. Press the button again to activate the lane departure warning system. Please refer to "Lane Departure Warning System" in the Starting and Driving section for relevant instructions.

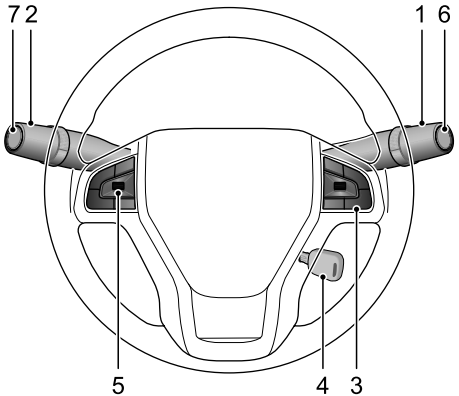
Caution
In some vehicles, the lane departure warning switch is located in the position of the front roof reading lamp. The position of this switch equipped on your vehicle is subject to the actual vehicle configuration purchased.

Position 4 – : ESP OFF switch. Press , then the indicator lamp in the switch will illuminate and the ESP system will be turned off. Press the button again to activate ESP system; only ABS and EBD functions work after ESP is turned off. Please refer to "Brake System" in the Starting and Driving section for relevant ESP instructions.

Position 5 – : Hill descent control switch. Press , then the indicator lamp on the switch will go on and the HDC function will be enabled. Press the button again to turn off the HDC function. Please refer to "Brake System" in the Starting and Driving section for relevant HDC instructions.

Position 6 – AFS OFF: Headlamp automatic adjustment switch. Press AFS OFF, then the indicator lamp in the switch will illuminate, and the AFS left-right adjustment function will be disabled. Press the button again to enable the AFS left-right adjustment function.

Switches on Steering Column and Steering Wheel



1 Combination lamp control & direction indicator lamp stalk switch

2 Wiper & washer stalk switch

3 Volume control, mute, audio source and Bluetooth phone switch

4 Ignition switch and steering lock

5 Cruise, speech system and custom setting switch

6 Instrument setting switch

7 Instrument menu switch

Ignition switch and steering lock

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



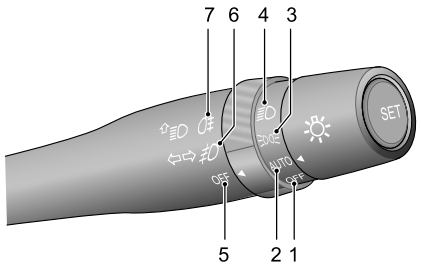
In order to pull out the key from the ignition switch, please turn the key to ACC position. Then press the key towards the ignition switch and continue rotating it to LOCK position. At this time, the key can be pulled out.

Note: If the key on the ignition switch is not pulled out, there will be warning sounds when the driver door is opened.

Please refer to "Ignition Switch" in the Starting and Driving section for more information about ignition switch positions.

Combination lamp control & direction indicator lamp stalk switch

Lighting control switch



Shift the lighting control switch to the position as shown in the figure, and the corresponding lamps will illuminate.

Position 1 – OFF: Headlamps off. Daytime running lamps will automatically illuminate after the engine is started.

Position 2 – AUTO: Headlamp automatic adjustment. When the headlamp switch is placed in AUTO position, headlamps will illuminate/go off according to the lighting brightness of ambient environment. Daytime running lamps will automatically illuminate when other lamps are not turned on after the engine is started.

Position 3 – : Width lamps on. When width lamps are turned on, the following lamps will be turned on meanwhile:

- Width lamps

- License plate lamp
- Instrument panel lamp

Position 4 – ≣D: Headlamps on.

Note: Headlamps can be turned on only when the ignition switch is placed in ON position. If headlamps are not turned off when the vehicle is parked, battery will discharge. Then the engine may be unable to start due to low battery. When the ignition switch is placed in LOCK position or the key is pulled out, there will be warning sounds if the headlamp switch is still turned on.

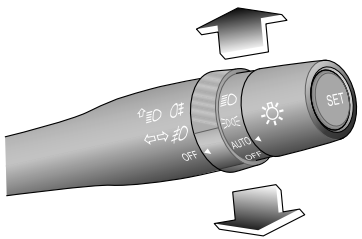
Position 5 – OFF: fog lamp off.

Position 6 – ≠D: Front fog lamps on. When the ignition switch is placed in ON position and the lighting control switch is placed in ≡DE or ≣D position, turn the switch to ≠D, and then front fog lamps will be turned on. When the lighting control switch is placed in AUTO position, turn the switch to ≠D, and then front fog lamps will illuminate or go off along with headlamps according to ambient environment. When the front fog lamps are turned on, the front fog lamp indicator lamp (green) on the instrument cluster will illuminate.

Position 7 – D≠: Rear fog lamps on. When the ignition switch is placed in ON position and the lighting control switch is placed in ≡DE or ≣D position, turn the switch to D≠, and then rear fog lamps will be turned on. When the lighting control switch is placed in AUTO position, turn the switch to D≠, and then rear fog lamps will illuminate or go off along with headlamps according to ambient environment. When the rear fog lamps are turned on, the rear fog lamp indicator lamp (yellow) on the instrument cluster will illuminate.

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

Turn signal lamps and direction indicator lamps

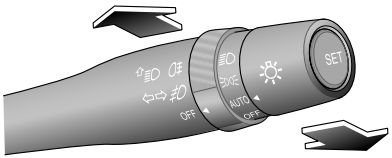


Turn right – push the shifter lever switch downwards.

Turn left – pull the shifter lever switch upwards.

Then the corresponding turn signal lamp and the "direction indicator lamp (green)" on the instrument cluster will illuminate simultaneously.

High beam and low beam lamps



Push the shifter lever switch away from the steering wheel to change the headlamp mode from low beam to high beam. Pull the shifter lever switch close to the steering wheel to change the headlamp mode to low beam.

Note: When the headlamp mode is high beam, the "headlamp high beam indicator lamp (blue)" on the instrument cluster will illuminate. To shift the headlamp mode to flashing, slightly lift the shifter lever switch towards the steering wheel intermittently.

Daytime Running Lamps

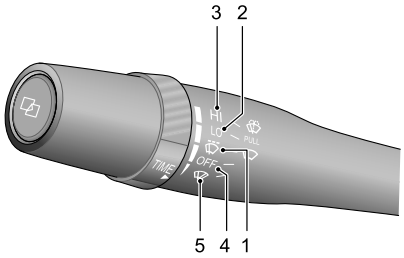
Daytime running lamps make it easier for others to see the front of the vehicle during daytime.

If your vehicle is equipped with daytime running lamps, when the ignition switch is in "ON" position, the daytime running lamps will illuminate. When the daytime running lamps illuminate, the headlamp low beam, tail lamps, width lamps, and other lamps will not illuminate. When the ignition switch is in "OFF" position, the daytime running lamps will go off.

Meet the regulatory requirements of ECE R87 daytime running lights.

Wiper & washer stalk switch

Front windshield wipers and washer



Place the shifter lever switch to the position required.

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

Note: Ensure the rain sensor is free of dust, dirts and ice.

Position 2 – LO: Low-speed wiping.

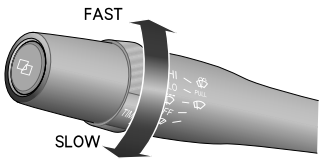
Position 3 – HI: High-speed wiping.

Position 4 – OFF: Turn off wipers.

Position 5 – : Single wiping.

Intermittent wiping/interval adjustable

If worn wiper blades cannot clear rain from the front windshield, the forward visibility will be lowered, which may lead to an accident. Be sure to replace worn wiper blades in time.



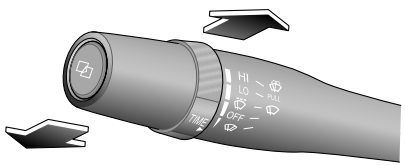
When the shifter lever switch is placed in (intermittent) position, turn the switch to change the wiping interval.

Caution
In cold or hot days, in order to prevent damaging wipers, please clear barriers from the windshield (such as snow) if wiper blades are frozen or adhere to the windshield. Do not operate wipers when leaving the windshield dry. Otherwise the windshield may be damaged, wiper blades may be worn prematurely, and the driver's vision may be affected.

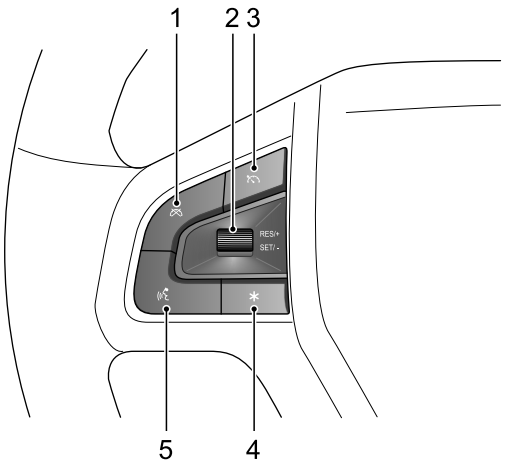
Washer

Pull the shifter lever switch towards the steering wheel, and the washer will start operating immediately. After a transient interval, wipers and washer will operate in linkage. The washer will be turned off after the shifter lever switch is released.

Note: After the shifter lever is released, wipers will continue conducting wiping operations for 3 times.



Cruise, speech system and custom setting switch



Position 1 – : Cruise cancellation switch. Press this button to cancel the cruise function without clearing the set speed in storage.

Position 2 – Cruise speed setting switch.

- RES/+: Cruise recovery/acceleration switch. To store the set speed, move the thumbwheel upwards to recover this speed. Move the thumbwheel again to accelerate (1km/h per time). The instrument cluster will display the corresponding target speed.

- SET/-: Cruise setting/deceleration switch. Move the thumbwheel downwards to set the speed. Then the cruise function will be enabled and the cruise indicator lamp on the instrument cluster will turn green from white. If the cruise function is enabled at this time, move the thumbwheel downwards to lower the cruise speed (1km/h per time). The instrument cluster will display the corresponding target speed.

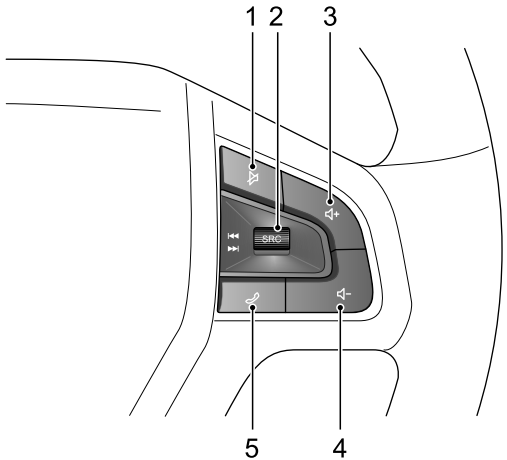
Position 3 – : Cruise on/off switch. Press this button to turn on/off the cruise control system. Meanwhile the "cruise indicator lamp" on the instrument cluster will illuminate/go off correspondingly.

Note: Please refer to "Cruise Control System" in the Starting and Driving section for more description about cruise function.

Position 4 – : Custom setting switch. Press this button to conduct custom setting.

Position 5 – : Voice dialogue system switch. Press this button to enable voice recognition function; press this button to disable voice recognition function.

Volume control, mute, audio source and Bluetooth phone switch



Position 1– : Mute switch.

Position 2– Audio source and control thumbwheel switch upwards or downwards.

- SRC: Audio source switch. Repeat pressing this button to change playback mode. The system will cycle among the following options: radio, music, etc.
- Control the thumbwheel knob upwards or downwards: move the thumbwheel upwards to select the previous preset station or previous CD/MP3 track; move the thumbwheel downwards to select the next preset station or next CD/MP3 track.

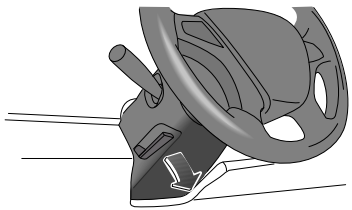
Position 3–: Volume up control switch.

Position 4–: Volume down control switch.

Position 5–: Bluetooth phone switch. This button is the phone answering 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.

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;

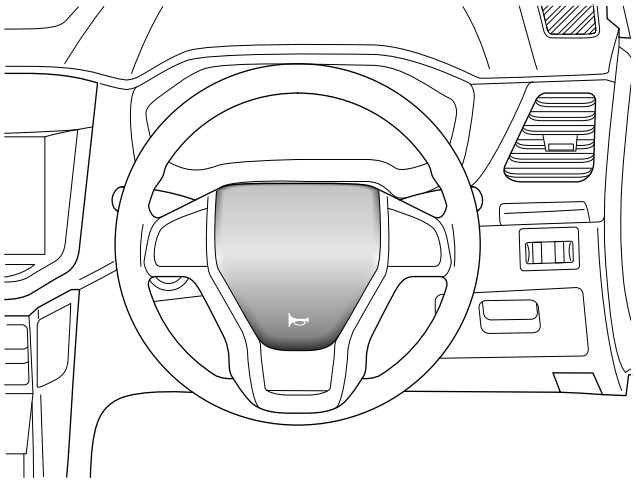
2 Grasp the steering wheel firmly with both hands, and move the steering wheel upwards or downwards to adjust it to a proper position;

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.

Horn

Regardless of the ignition switch position, the horn can work once you press the button.



Heating, Ventilation and Air Conditioning

The air conditioning system can cool down the air and remove the moisture and the dust (eg, pollen) in the air.

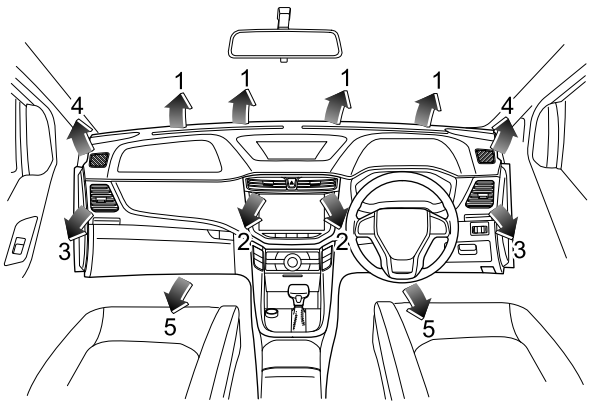
The heating system utilizes the heat generated by the engine, so it can heat the air in the vehicle sufficiently only when the engine gets to the normal operating temperature.

The ventilation system ensures the interior ventilation when driving.

The air speed selection button for the front and rear A/C controls the air volume.

HVAC is used to control the cooling, heating and ventilation of the air inside the vehicle. Fresh air is drawn into the vehicle through the air intake grille under the windshield, and flowing through the air conditioning filter. Always keep the air intake grille clean, free of obstructions such as leaves, snow or ice.

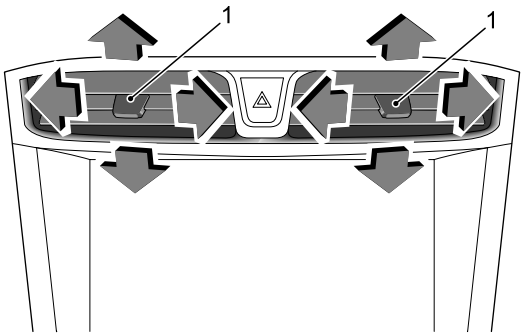
Front vents



1 Windshield vent
2 Center vent
3 Side vent
4 Front window vent
5 Front footwell vent

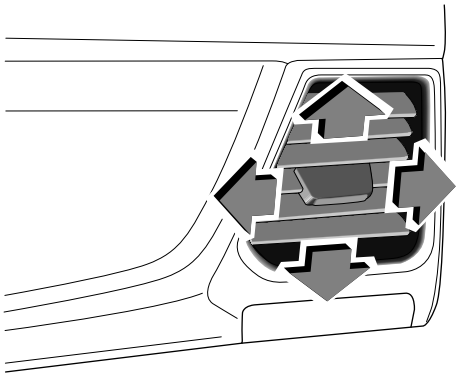
Center vent

Move the lever (1) in the center of the grille up and down, right and left to change the direction of the air distribution.



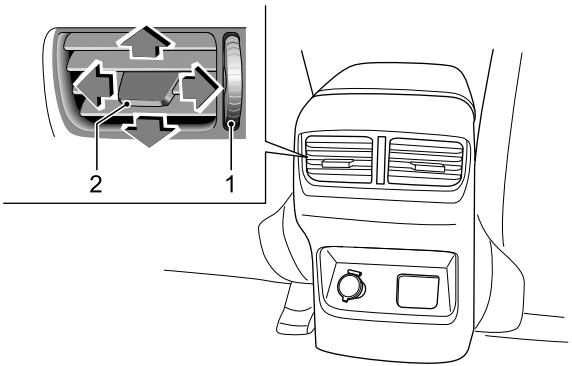
Side vent

Move the lever in the center of the grille up and down, right and left to change the direction of the air distribution.

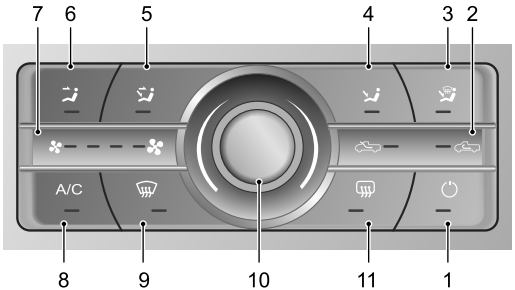


Rear vent

Rotate the thumb wheel (1) to adjust the air volume from the vent. Move the lever (2) in the center of the grille up and down, right and left to change the direction of the air distribution.



Electronic A/C Control Panel



1 Power Button

2 Internal/External Circulation Button

3 Distribution to Footwell and Defrost Mode Button

4 Distribution to Footwell Mode Button

5 Distribution to Face and Footwell Mode Button

6 Distribution to Face Mode Button

7 Air Volume Adjusting Button

8 A/C Button

9 Front Defrost Button

10 Temperature Selection Knob

11 Rear Defrost Button

Power Button

Switch ON/OFF the control panel power supply.

In OFF state, press the Power button once, the power indicator comes on, A/C control panel is turned on and operates in the non-defrosting mode last activated before turned off.

In OFF state, it can be turned on by operating the front defrost button, A/C button and air volume adjusting button.

In ON state, press the Power button once, the power indicator comes off and the A/C control panel is turned off, so in this state, only the internal/external circulation button and the rear defrost button are operable.

If the engine stalls, the A/C control panel will memorize the power state before stalling, when the vehicle is powered on again, this panel will go back to the non-defrosting mode last activated before stalling.

Temperature Selection Knob

Adjust the A/C setting temperature.

The temperature selection knob can be rotated and adjusted within 270 º, if it is rotated counterclockwise, the set temperature is gradually reduced; if it is rotated clockwise, the set temperature is gradually rising.

A/C Button

Switch on and off the compressor.

If A/C button is pressed regardless of Power OFF or ON, the corresponding indicator comes on and the compressor is activated (vehicle is started); if the A/C button is pressed a second time, A/C button indicator goes off and the compressor is turned off.

Air Volume Adjusting Button

Adjust the blower air volume.

The volume is divided into 4 levels, corresponding to 4 indicators. The air volume of A/C increases one level once the air volume + button on the right is pressed; the air volume decreases one level once the air volume - button on the left is pressed.

When the air volume + button is pressed more than 2 seconds, the volume increases to the top level slowly; When the air volume - button is pressed more than 2 seconds, the volume reduces to the minimum level slowly.

If the air volume + or - button is pressed in OFF state, the system starts, the volume level indicator shows the level before power off directly, the air volume slowly increases to this level from level one and other function maintains the non-defrosting state last activated before powered off.

Distribution to Face Mode Button

Adjust the air distribution mode to Distribution to Face.

In the ON state, if the Distribution to Face mode button is pressed, the corresponding indicator comes on and it becomes the Distribution to Face mode, the operation of the Distribution to Face mode button is invalid at this time, and it will change to other modes if another mode button is pressed.

Distribution to Face and Footwell Mode Button

Adjust the air distribution mode to Distribution to Face and Footwell.

In the ON state, if the Distribution to Face and Footwell Mode button is pressed, the corresponding indicator comes on and it becomes the Distribution to Face and Footwell Mode, the operation of the Distribution to Face and Footwell Mode button is invalid at this time, and it will change to other modes if another mode button is pressed.

Distribution to Footwell Mode Button

Adjust the air distribution mode to Distribution to Footwell.

In the ON state, if the Distribution to Footwell Mode button is pressed, the corresponding indicator comes on and it becomes the Distribution to Footwell Mode, the operation of the Distribution to Footwell Mode button is invalid at this time, and it will change to other modes if another mode button is pressed.

Distribution to Footwell and Defrost Mode button

Adjust the air distribution mode to Distribution to footwell and Defrost.

In the ON state, if the Distribution to Footwell and Defrost Mode button is pressed, the corresponding indicator comes on and

it becomes the Distribution to Footwell and Defrost Mode, the operation of the Distribution to Footwell and Defrost Mode button is invalid at this time, and it will change to other modes if another mode button is pressed.

Front Defrost Button

Adjust the air distribution mode to Front Defrost.

If the Front Defrost button is pressed regardless of power off or on, the corresponding indicator comes on, the volume level increases to the top level slowly with the automatic system control, the external circulating air enters into the vehicle, AC is turned on and the blower air distribution mode is maximum defrost. However, the air distribution mode, the internal/external recirculation mode, the air volume and A/C are adjustable.

In the Front Defrost state, if the Front Defrost button or other mode buttons are pressed a second time, the front defrost function is off, the front defrost indicator goes off and the system returns to the previous state before the Front Defrost. If the previous state is OFF, it will return to the non-defrosting state before powered off.

Rear Defrost Button

Switch on the rear defrost state.

The operation of the Rear Defrost button will not change other air conditioning states regardless of power on or off, meanwhile the corresponding indicator varies according to the rear defrost state (vehicle is started).

For vehicles equipped with the heated exterior rearview mirror, press the Rear Defrost Button to activate the heated exterior rearview mirror, to help clear the fog or frost on the surface of rearview mirror.

Note: The rear defrost will stop after operating for 15 minutes, and its indicator goes off.

Internal/External Circulation Button

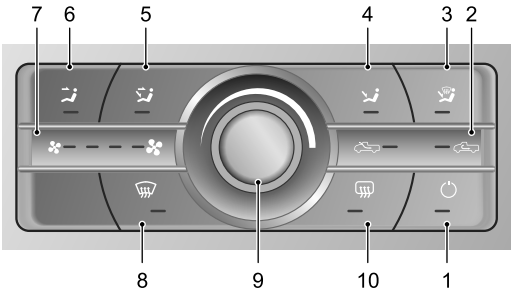
Switch the A/C state between the internal and external circulation.

If the intake air of the air conditioning is in the internal circulation mode, the internal circulation indicator comes on and the external circulation indicator goes off; if it is in the external circulation mode, the contrary is the case.

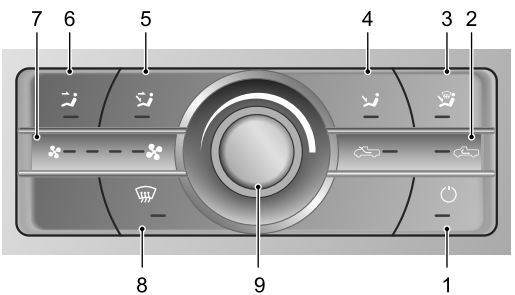
It can be switched between the internal and external circulation in the OFF state, but the panel would not be turned on.

Single Heating Electronic A/C Control Panel

Type 1



Type 2



1 Power Button

2 Internal/External Circulation Button

3 Distribution to Footwell and Defrost Mode Button

4 Distribution to Footwell Mode Button

5 Distribution to Face and Footwell Mode Button

6 Distribution to Face mode Button

7 Air Volume Adjusting Button

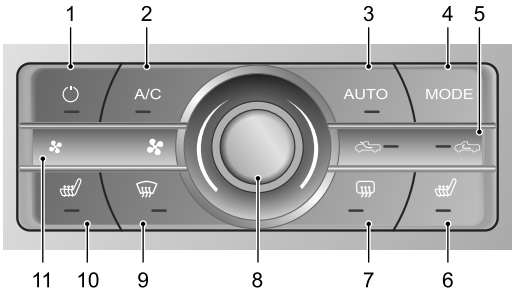
8 Front Defrost Button

9 Temperature Selection Knob

10 Rear Defrost Button

Type 1 of single heating electronic A/C control panel is not provided with A/C button; type 2 of this control panel is not provided with both A/C button and rear defrost button. The control logic for other features it contains is similar to that of the electronic A/C control panel, so it is not explained here.

Automatic A/C Control Panel



1 Power Button

2 A/C Button

3 AUTO Mode Button

4 MODE Button

5 Internal/External Circulation Button

6 Front Occupant Seat Heating Button

7 Rear Defrost Button

8 Temperature Selection Knob

9 Front Defrost Button

10 Driver Seat Heating Button

11 Air Volume Adjusting Button

Power Button

Switch ON/OFF the control panel power supply.

If the power button is pressed in the OFF state, the A/C control panel is turned on, the power indicator comes on, the infotainment display will show the A/C info screen and operate in the non-defrosting mode last activated before turned off.

When it is turned off, it can be turned on by operating the AUTO mode button, the front defrost button, the A/C button and the air volume adjusting button.

When it is turned on, if the Power button is pressed, the power indicator goes off and the A/C control panel is turned off, so in this state, the internal/external circulation button, rear defrost button, driver seat heating button and the front occupant seat heating button can be operable.

If the engine stalls, the A/C control panel will memorize the power state before stalling, when the vehicle is powered on again, this panel will go back to the non-defrosting mode last activated before stalling.

Temperature Selection Knob

Adjust the A/C setting temperature.

The temperature selection knob can be rotated and adjusted within 360 °, if it is rotated counterclockwise, the set temperature is reduced; if it is rotated clockwise, the set temperature is rising. The set temperature range is LO(17℃), 18℃ - 32℃, HI(33℃), the temperature increment is 1℃ if it is rotated one grade, and

this set temperature will be displayed on the infotainment display. LO indicates MAX cooling, HI indicates MAX heating.

AUTO Button

This is the automatic air conditioning control mode button.

If AUTO button is pressed regardless of Panel On or OFF, the AUTO indicator comes on, the infotainment display shows the related features, the A/C enters into full AUTO state, the A/C, air volume adjustment, internal / external circulation and MODE are operated automatically, the operation of AUTO button is invalid at this time.

If the temperature selection knob is operated in AUTO mode, the panel maintains the AUTO state; while the panel exits the full AUTO state and the related features enter the manual control mode if the A/C, MODE and air volume adjustment buttons are operated.

Note: The set temperature of 25℃ is recommended to be most comfortable.

A/C Button

Switch on and off the compressor.

If A/C button is pressed regardless of Power OFF or ON, the corresponding indicator comes on and the infotainment display shows the A/C startup information, and the compressor is activated (vehicle is started); if the A/C button is pressed a second time, the A/C button indicator goes off and the compressor is turned off.

A/C is controlled automatically in AUTO mode, and it changes to the manual control from AUTO control by operating the A/C button, then AUTO indicator goes off, other features maintain in AUTO mode.

Air Volume Adjusting Button

Adjust the blower air volume.

The volume is divided into 8 levels, which are shown on the infotainment display. The air volume of A/C increases one level once the air volume + button on the right is pressed; the air volume decreases one level once the air volume - button on the left is pressed. When the air volume + button is pressed more than 2 seconds, the volume increases to the top level slowly; When the air volume - button is pressed more than 2 seconds, the volume reduces to the minimum level slowly.

If the air volume + or - button is pressed in OFF state, the controller is turned on, the volume level shown on the infotainment display slowly increases to that level before power off directly, the air volume slowly increases to this level from level one and other function maintain the non-defrosting state.

MODE Button

Adjust the air distribution mode.

If MODE button is pressed in the ON state, A/C will switch to the Distribution to Face, Distribution to Face and Footwell, Distribution to Footwell, Distribution to Footwell and Defrost

mode in turn, and the infotainment display will display the information about the related air distribution mode.

The operation of MODE is invalid in the OFF state, the mode will recover the non-defrosting mode memorized before powered off.

MODE button can be operated to switch the modes in AUTO state, while the mode control will change to the manual control from AUTO control, the AUTO indicator goes off and other features maintain in AUTO state.

Front Defrost Button

Adjust the air distribution mode to Front Defrost.

If the Front Defrost button is pressed in OFF or ON state, the corresponding indicator comes on and MAX defrost is shown on the infotainment display. The volume level increases to the top level slowly with the automatic system control, the external circulating air enters into the vehicle, AC is turned on and the blower air distribution mode is the maximum defrost. However, the air distribution mode, the internal/external recirculation mode, the air volume and A/C are adjustable.

In Front Defrost state, if the Front Defrost button or MODE button is pressed a second time, the front defrost function is turned off, the front defrost indicator goes off and the system returns to the previous state before the front defrost. If the previous state is OFF, it will return to the non-defrosting state before powered off.

Rear Defrost Button

Switch on the rear defrost state.

The operation of the Rear Defrost button will not change another air conditioning states regardless of power on or off, meanwhile the corresponding indicator and the rear defrost information on the infotainment display vary according to the rear defrost state (vehicle is started).

For vehicles equipped with the heated exterior rearview mirror, press the Rear Defrost Button to activate the heated exterior rearview mirror, to help clear the fog or frost on the surface of rearview mirror.

Note: The rear defrost will stop after operating for 15 minutes, and its indicator goes off.

Internal/External Circulation Button

Switch the A/C state between the internal and external circulation.

If the intake air of the air conditioning is in the internal circulation mode, the internal circulation indicator comes on and the external circulation indicator goes off; if it is in the external circulation mode, the contrary is the case.

It can be switched between the internal and external circulation in AUTO mode, and the internal / external circulation changes to the manual control from AUTO mode, the AUTO indicator comes off, other features maintain the AUTO state.

It can be switched between the internal and external circulation in the OFF state, but the panel would not be turned on.

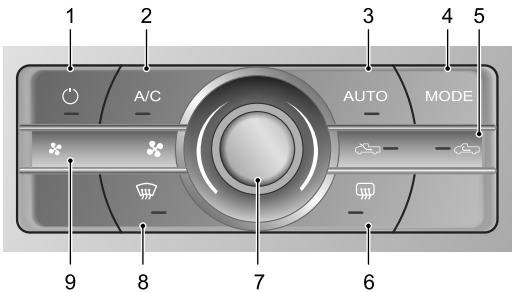
The default mode is the external circulation in front defrost state, and it can switch between the internal and external circulation, but other states in the defrost mode should not be changed.

Seat heating button

Help to heat the driver and front passenger seats.

If the driver / front passenger seat heating button is pressed, the corresponding seat heating function is activated (the vehicle is started), the related indicator comes on, the operation of the seat heating button is still valid when the A/C control panel is turned off.

Automatic A/C Control Panel without Seat Heating



1 Power Button

2 A/C Button

3 AUTO Mode Button

4 MODE Button

5 Internal/External Circulation Button

6 Rear Defrost Button

7 Temperature Selection Knob

8 Front Defrost Button

9 Air Volume Adjusting Button

This automatic A/C control panel is not equipped with the seat heating button. The control logic for other features it contains

is similar to that of the automatic A/C control panel, so it is not explained here.

Recommendation for A/C Operation

- If the vehicle is parked in a place that is exposed to the direct sunlight, open the windows before operation.
- If the fogged windows need to be cleaned in a rain day, reduce the moisture in the vehicle by operating the air conditioning. This is very effective in rainy season and a season with heavy moisture.
- If the vehicle is driving in the city, the stop-and-go may cause the insufficient cooling.

Note: If the air conditioning will not be in use for more than one month, run the engine 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

In order to extend the view range, exterior rearview mirrors are convex-shape, which makes objects look smaller and farther than the actual.

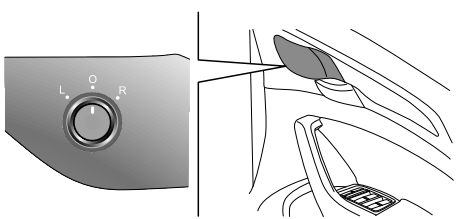
Caution
Be sure to check and ensure that all rearview mirrors are clean and bright, and adjusted well before driving; clean and adjust them if necessary.

Exterior Rearview Mirrors

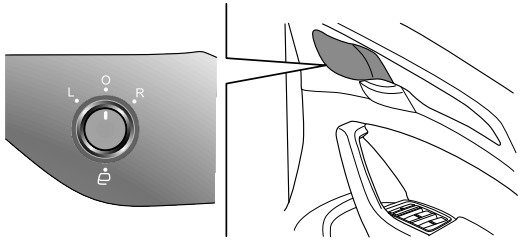
Power rearview mirrors

Press the switch 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. Move the switch to the middle position.

Switches not equipped with power folding function



Switches equipped with power folding function



Folding rearview mirrors

Manual folding of rearview mirrors

In order to ensure the safety of pedestrians, exterior mirrors will rotate from their normal mounting positions towards both sides if impacted with a strong force. Reset the rearview mirrors by applying little pressure onto the mirror frames.

Power folding of rearview mirrors

For vehicles equipped with power folding rearview mirrors, it is allowed to fold/unfold exterior mirrors manually/automatically.

- Manual folding/unfolding of rearview mirrors

  When rearview mirrors are folded, turn the ignition switch to ACC/ON position and move the switch to the L/O/R position. Then rearview mirrors will be unfolded.

  When rearview mirrors are unfolded, turn the ignition switch to ACC/ON position and move the switch to any of position, rearview mirrors will be folded.

- Automatic folding/unfolding of rearview mirrors

  When rearview mirrors are folded and the ignition switch is placed in OFF position, if doors are unlocked, then rearview mirrors will be unfolded automatically. Or, rearview mirrors will be automatically unfolded when the ignition switch is turned to START position.

  When rearview mirrors are unfolded and the ignition switch is placed in OFF position, if doors are locked then rearview mirrors will be folded automatically. Besides, when doors are unlocked but not opened, after 15s, doors will be automatically locked again and rearview mirrors will resume to folding state.

Heated rearview mirrors

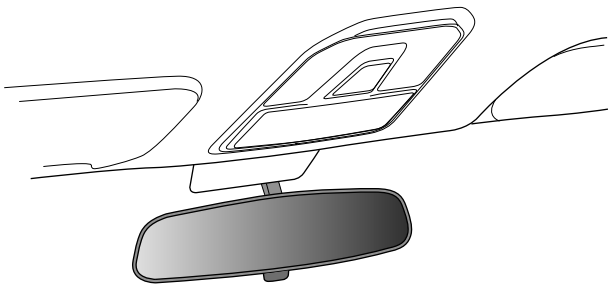
For vehicles equipped with the heated exterior rearview mirror, press the Rear Defrost Button on the A/C control panel to heat the exterior rearview mirror.

Interior rearview mirror

Adjust the rearview mirror to obtain the required rear view.

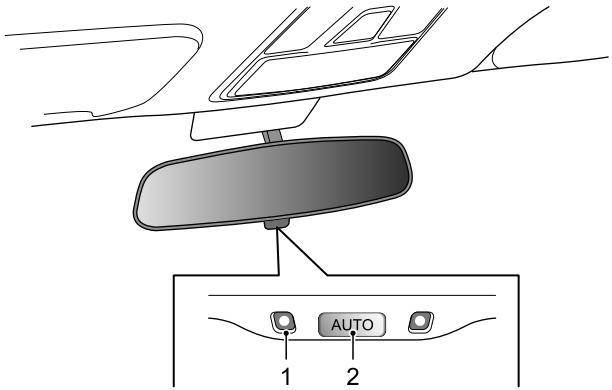
Manual adjustment of interior rearview mirror

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



Power adjustment of interior rearview mirror

For vehicles equipped with power adjusting interior rearview mirror, press the button (2) on the rearview mirror bottom. Then the yellow LED lamp will illuminate and rear light sensor will start operating to reduce reflected glare during night driving. Press the button (2) again. Then the yellow LED lamp will go off and rear light sensor will stop operating.



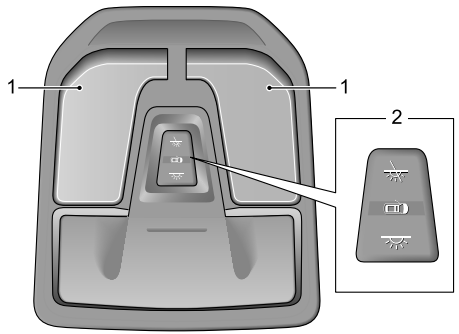
1 LED lamp

2 AUTO button

Interior Devices

Switches on the front ceiling reading lamp

Type 1



1 Left/Right reading lamp control switches

2 3-way switch

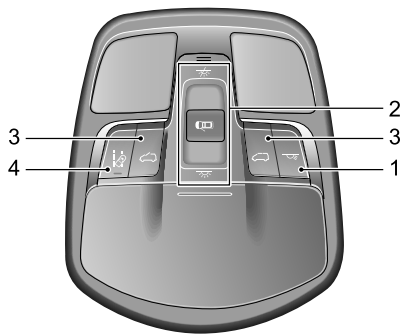
Front Reading Lamp Control

When the 3-way switch (2) is in position, the front roof reading lamp is on.

When the 3-way switch (2) is in position, the reading lamps will illuminate automatically after opening any door, and the lamps will go out in 30 seconds after the door is closed. With the door closed, press the left and right switches in Position (1) to control the ON/OFF state of the corresponding left/right front reading lamps.

When the 3-way switch (2) is in position, press the left and right switches in Position (1) to control the ON/OFF state of the corresponding left/right front reading lamps.

Type 2



1 Reading lamp control switch

2 3-way switch

3 Sunroof ON/OFF Switch

4 Lane Departure Warning Switch

Front Reading Lamp Control

When the 3-way switch (2) is in position, the front roof reading lamp is on.

When the 3-way switch (2) is in position, the reading lamps will illuminate automatically after opening any door, and the lamps will go out in 30 seconds after the door is closed. With the door closed, press the switch in Position (1) to control the ON/OFF state of the front reading lamp.

When the 3-way switch (2) is in position, press the switch in Position (1) to control the ON/OFF state of the front reading lamp.

Sunroof ON/OFF Switch

Please refer to "Power Sunroof" in the previous Section for details.

Lane Departure Warning Switch

When the ignition switch is placed in ON position, the lane departure system will be on by default, and the indicator lamp in the switch will illuminate. Press to turn off the lane departure warning system. Then the indicator lamp in the switch will go off, and the "lane departure warning lamp" on the instrument cluster will illuminate in yellow. Press the button again to activate the lane departure warning system. For more information, please refer to “Lane Departure Warning System” in the Starting and Driving section.

Rear ceiling reading lamp



On/off switch

When the front ceiling reading lamp button is placed in the door control position and all doors are closed, press ☼ to turn on rear ceiling reading lamps; press ☼ again to turn off rear ceiling reading lamps.

When any door is opened, rear ceiling reading lamps will go on. About 30s after the door is closed, rear ceiling reading lamps will go off automatically.

Note: 15min after any door is opened, rear ceiling reading lamps will go off automatically to prevent battery drain.

On-board inverter

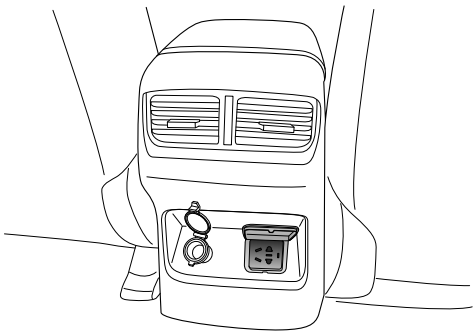
Please pay attention to electric safety during usage. Prevent children from contacting this outlet. Danger! High voltage! Do not insert finger or a conductive object into this outlet. Please keep liquid objects away from this outlet. Do not use it in a humid, hot (more than 85℃) and unventilated environment. The maximum rated power of inverter is 150W. Do not use any electric appliance with a power more than 150W.

On-board inverter is located behind the bottom of central armrest between the driver and front passenger seats. Open the panel, and you will see the 220V AC power outlet, which can provide an output power of 150W. When the ignition switch is placed in "ACC" position, the on-board inverter will start operating. Please pay attention to the indicator lamp showing the power supply operating state near the outlet during usage, and operate according to the prompts provided by the indicator lamp:

1 Green lamp on: Normal operation.

2 Indicator lamp off: low battery voltage. Please remove the electrical appliance, and wait for the battery voltage to return to normal.

3 Red lamp flashes:
- High battery voltage. Please wait for the battery voltage to return to normal.
- 220V power supply temperature is excessively high. Please remove the electric appliance and wait for the green lamp to go on.
- 220V power supply output overload. Please remove the electric appliance and restart the engine to recover normal operation.
- External short circuit. Please remove the electric appliance and restart the engine to recover normal operation.

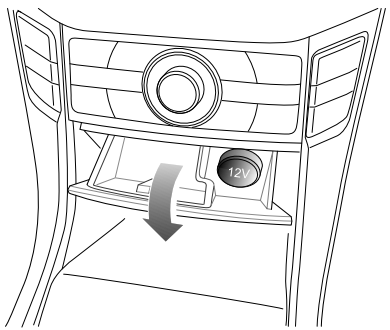


Caution
Please avoid using the on-board inverter for a long time when the ignition switch is placed in ACC position, which will lead to battery drain.

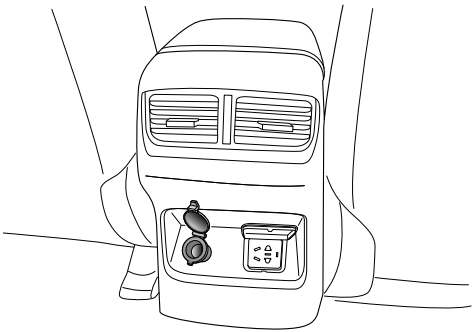
12V power outlet

The power outlet is mainly used for providing power supply connection for external electric devices.

The power outlet is located in front of the central armrest between the driver and front passenger seats, below the A/C control panel.



The power outlet is located behind the bottom of central armrest between the driver and front passenger seats.

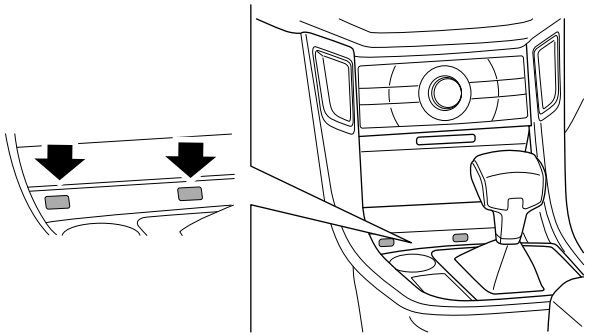


Note: The power outlet can provide power supply for electric devices of which power is no more than 120W.

Caution
Please avoid using the power outlet for a long time when the ignition switch is placed in ACC position, which will lead to battery drain.

USB ports

The USB ports are located at lower middle of the instrument panel, 2 ports are available and vary in functions.



Left USB port: supports audio/video playback, picture browsing, charging and mobile phone interconnection.

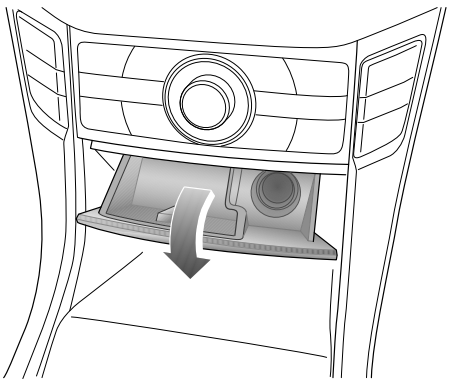
Right USB port: supports audio/video playback, picture browsing, charging.

Ashtray

There is a fire risk in the ashtray. A fire may be caused if you place a lighted cigar and combustible matter together. Do not use the ashtray as a dustbin.

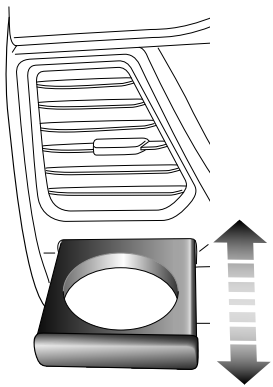
The automobile ashtray is located in front of the central armrest between the driver and front passenger seats, below the A/C control panel. Open the ashtray by opening its cover.

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



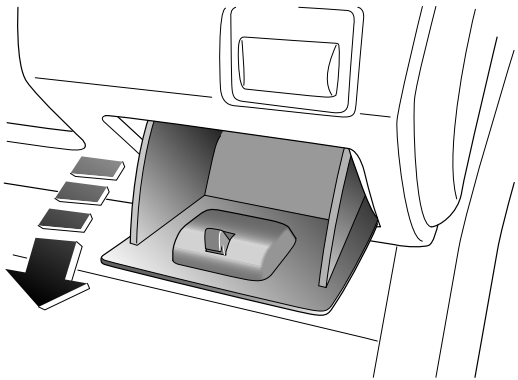
Cup holders

The cup holders are located on both sides of instrument panel. To open a cup holder, push it inwards and then release it to unlock, and then pull it outwards completely. To retract the cup holder, keep pushing it inwards until it is locked.



Storage box

The storage box at driver side is located below the cup holder at driver side. It can be opened by releasing the storage box upper buckle.

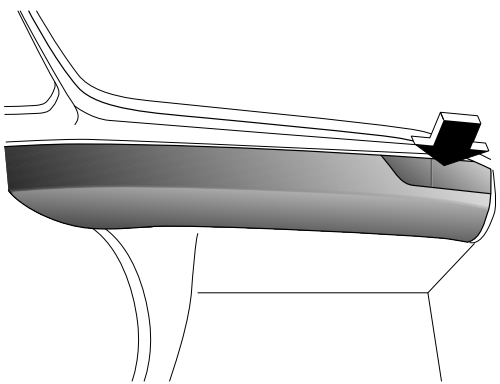


Glove box

Do not place a sharp, heavy or hazardous object in the glove box at front passenger side.

In case of an accident or sudden braking, the glove box may cause personal injury if not closed. Therefore, please close the glove box during driving.

Press the PUSH button on the upper left side of glove box to open the glove box (if your vehicle is equipped with a glove box lock, you need to insert the key and turn it counterclockwise to unlock). Push it hard to close it.

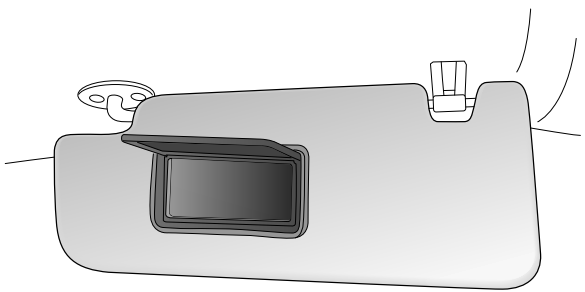


Sun visor and vanity mirror

Pull both sun visors upwards or downwards to block the sunshine through windshield. Besides, sun visors can be rotated towards side windows.

Turn a sun visor downwards and open the vanity mirror cover. Then you can use the vanity mirror.

Driver's vanity mirror shall be used only when the vehicle stops.



Fire extinguisher

Note: It is subject to the actual configuration of the vehicle you purchased.

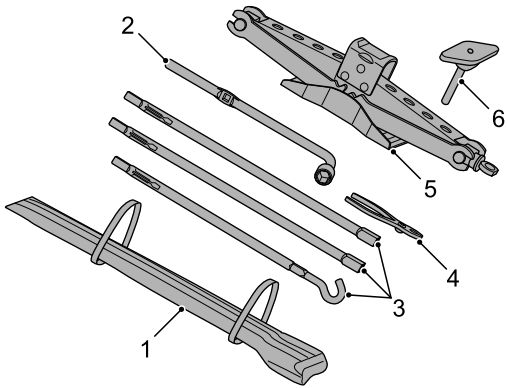
If your vehicle is a double-row model, a dry powder fire extinguisher is arranged between the rear seats and quarter panel.

If your vehicle is a single-row or one-and-half-row model, a dry powder fire extinguisher is arranged between the rear of console and quarter panel.

Caution
• Each fire extinguisher shall be inspected annually as of the manufacture date of vehicle, and must be replaced every 10 years. • The annual inspection and post-usage repair must be performed by an enterprise approved by Fire Department and having relevant qualifications to test, repair and annually inspect fire equipment. • The vehicle owner is obliged to inform the purchaser of the aforesaid precautions if the vehicle is sold.

Vehicle tools

Vehicle tools are placed at the lower rear side of the driver seat (for a single-row model) or under the second-row seat (for a double-row model).



1 Vehicle toolkit

2 Wheel nut wrench

3 Auxiliary rotating extension rod of jack

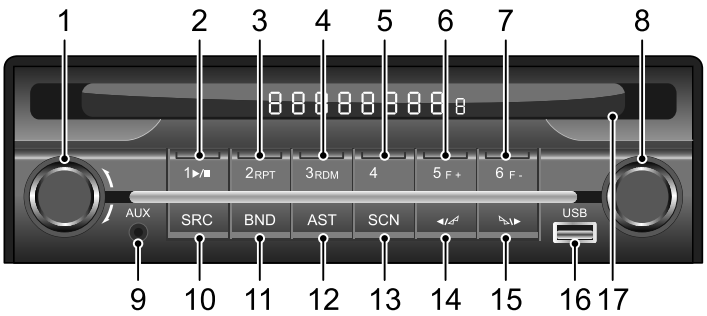
4 Fish-lip pincer

5 Jack

6 Retaining bolts for Vehicle tools

MP3 + Radio

Panel Features Description



1 PWR/VOL:Power ON/OFF
Volume adjustment knob
2 Preset 1/Pause Button
USB track confirmation function:press to enter playback state
3 Preset 2/Repeat Playback Button
4 Preset 3/Random Playback Button
5 Preset 4
6 Preset 5/Next Directory(USB mode)
7 Preset 6/Previous Directory(USB mode)
8 TUN/AUD:Manual Radio Frequency Adjustment/EQ Mode
System Set/Time Set(long press)
Fast Forward and Rewind(USB mode)
Select tracks to be played from USB
9 AUX IN Audio Input Interface
10 Audio Source Selection
11 Radio Band Selection
12 Time Minus(Clock Adjustment Mode)
Search Valid Station
Select State of Playing Track(USB mode)
13 Radio Station/Track Browse(USB mode)
14 Search radio stations at lower frequency
Select previous track(USB mode)
Model equipped with Bluetooth:answer the incoming Bluetooth call(long press)
Turn on the Bluetooth device
15 Search radio stations at higher frequency
Select the next track(USB mode)
Model equipped with Bluetooth:hang up the incoming Bluetooth call(long press)
Disconnect the Bluetooth device
16 USB port
17 DISPLAY Interface

Audio Adjustment

Power On/Off

With the ignition switch in ACC or ON, short press the PWR/VOL button to turn on the unit, and short press the button again to turn off the unit. With the ignition switch in OFF, long press the PWR/VOL button to turn on the unit, and it will be turned off automatically after operating for half an hour, then repeat this cycle.

Clock Setting and Display

Long press the TUN/AUD knob, then rotate it to select the adjustment menu: BEEP (touch-tone) / selection of countries and regions/ Clock.

- In the BEEP state, enter the touch tone selection mode by short pressing the TUN/AUD knob. Select either ON or OFF by rotating this knob.
- In the Selection of Countries and Regions state, rotate the TUN/AUD knob to select different country or region.
- In the CLOCK state, short press the TUN/AUD knob to enter the clock setting mode, short press the knob, and the Hour field begins to blink, rotate the knob to make Hour setting; then short press the TUN/AUD knob again until the Minute field blinks, and rotate the knob to make Minute setting. The clock begins to run from the adjusted time.

It will enter the clock screen automatically after 8 seconds if the RADIO is not operated.

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.

Audio / EQ Mode Adjustment

Press TUN/AUD knob to enter the EQ setting mode.

Rotate the TUN/AUD knob for setting, then short press TUN/AUD knob again to enter the next setting mode.

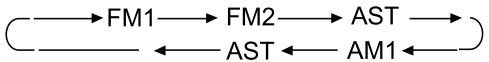
- Enter the EQ mode BASS-TRE to select preset EQ type. Rotate the TUN/AUD knob to select different EQ modes: JAZZ/CLASSIC/VOCAL/ROCK/POP. The display will show the selected EQ after the selection. Such as JAZZ.
- In BASS setting, rotate the TUN/AUD knob to adjust the Bass effect, adjusting range: BASS-7, ..., 0, ..., BASS+7.
- In TREBLE setting, rotate the TUN/AUD knob to adjust the TREBLE effect, adjusting range: TREB-7, ..., 0, ..., TREB+7.
- In BAL setting, rotate the TUN/AUD knob to adjust the volume balance between right and left speakers, adjusting range: L7,..., MID, ..., R7.
- In FADER setting, rotate the TUN/AUD knob to adjust the volume control of front and rear speakers, adjusting range: R7, ..., MID, ..., F7.

In the digital adjustment mode, all default values are 0. The display will return to the previous operating mode automatically after about 10 seconds.

Radio reception

Band

Press BAND button to select the desired band. The band can be switched among FM1, FM2, AST, AM1, AST, then the system will display the selected band.



Automatic Station Search

Short press ◀ button to tune to stations at lower frequency.

Short press ▶ button to tune to stations at higher frequency.

Manual Tuning

Rotate the TUN/AUD knob to the left to tune to a station at lower frequency, or to the right to tune to a station at higher frequency.

Search for a Valid Station

Short press AST button in FM 1-3 bands to save 6 FM stations with strongest signal, or short press it in AM 1-2 bands to save 6 AM stations with strongest signal. If you are using the Auto Save feature, the previous stations saved in FM 1-3 bands or AM 1-2 bands will be overwritten.

Short press AST button to enter the Auto Save state, then:

- The display begins to blink.
- It stops blinking after saving.
- The stations are saved to the preset button 1-6.
- The saved stations may be less than 6 when the external radio signal is weak.

Preset Stations

Manually save the stations in preset button 1-6.

6 stations can be saved in each band by using preset button 1-6.

- Tune to 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 Station

Press the desired preset button 1-6 once to recall the preset station.

Playing in USB mode

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

File Decoding Instructions

- Support the audio files with the suffix of *.mp3, *.MP3 or *.WMA.
- Support the USB storage devices of 32Mbyte ~ 4G, which takes the flash memory as storage medium.
- 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 player, press SRC button to select the USB mode, then LCD will display the word "USB".

Caution
The player 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 different capacities of USB storage devices and the sizes of its saved files, so do not remove the USB hurriedly during this period.

Playing

The screen will display 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.

Short press the AST button, then make the selection with TUN/AUD knob; after the selection is made, short press 1/▶II button to confirm and enter the playback screen.

Repeat playback

Press 2/RPT button during playing to play the current track repeatedly; the repeat playback of single track and folder is supported.

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

Random playback

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

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

Scan playback

Short press SCAN button during playing, during the scan, the displayed INT ON indicates the SCAN state , each scanned track will be played for 10 seconds, during the playback the displayed INT OFF indicates non-scanning state.

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

Previous / Next Track

Short press ▶ or ◀ button to select next or previous track.

Pause

Short press ⏯ button during the playback, the unit will pause playing, and press it again to continue playing from he pause point.

USB Directory Selection

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

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

Caution
• The USB port of this unit supports to charge external devices whose voltage is within the following range (e.g. mobile phone charging). Charging voltage range: 5+/-0.5V, charging current: 500mA ~ 1A, the charging logic is: charging is supported when RADIO is ON or Standby. • If your device can not be recognized or played correctly 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

This feature only applies to the model equipped with Bluetooth.

The Bluetooth connection between the mobile phone and the system must be completed before operating the system. This connection is based on the mating 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 as long as the Bluetooth switch is turned on. After establishing the connection, you can make calls via the on-board audio system and the microphone.

This system supports 8 Bluetooth pairings, but only the current connected device is activated.

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.

Caution
• 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 onboard audio system. This feature needs to be supported by your mobile phone. For the mobile phones that do not support this feature, their 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 hear the mobile phone's touch tone from the car radio, you are recommended to turn off this tone.

Bluetooth Connection

Long press "Answer Incoming Bluetooth Call" button to enter the Bluetooth pairing mode. The radio display will display the word "PHONE" for 2 seconds. Set your phone to the search mode at this time to find out the Bluetooth name of "Vision Car BT xxxx".

After entering the Bluetooth pairing mode by long pressing the "Answer Incoming Bluetooth Call" button, the icon will blink if no device is connected, and stays ON after the successful device pairing.

The pairing can be made after the Bluetooth module is found. The Bluetooth module can be paired with up to 8 phones, if the phone number exceeds 8, the memory for the oldest paired phone will be deleted so as to maintain the memory for 8 pairing phones.

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.

Long press the "Hand up Incoming Bluetooth Call" button 2 seconds to disconnect the phone connection automatically.

Answering and Rejecting Incoming Calls

After the connection is established, when there is an incoming call, you can hear the incoming call ring tone and the screen will show the incoming call reminder with the word "call in" and the incoming call number. Short press the "Answer Incoming Bluetooth Call" button to answer the call, and short press the "Hand up Incoming Bluetooth Call" button to reject the incoming call.

Note: If IPHONE is connected, RADIO will sound the default IPHONE ring tone when answering the calls, if the Android phone is connected, RADIO will sound the "Jingling" ring tone.

Hands Free / Private

When talking on the phone, the bluetooth interface box will output the sound i to the audio n hands free form and show the

word "PHONE" in the radio display. The calls can be switched between hands free and private by pressing "Answer Incoming Bluetooth Call" button.

Hang up

When talking on the phone, the current call can be hung up by pressing "Hand up Incoming Bluetooth Call" button.

Redialing of Latest Number and Disconnection

Redialing of Latest Number

After the connection is established, long pressing the "Answer Incoming Bluetooth Call" button will dial the last dialed number in the phone records and the display screen will show the reminder with the word "call out" and the outcoming call number.

Disconnection

After the connection is established, long pressing "Hand up Incoming Bluetooth Call" button will disconnect the connection between the current phone and the on-board bluetooth and turn off the Bluetooth, when the connection is disconnected, the radio will display the word "PHONE".

Automatic Reconnection

The connection will be disconnected if the distance between the phone and the vehicle exceeds the connecting distance; 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. Press this button again to return to the normal playback state.

"Answer Incoming Bluetooth Call" button

Under this situation	Short press Answering button
External calls	Answering Incoming Calls
Talking (Hand free mode)	Enter private mode
Talking (Private mode)	Enter hands free mode

Under this situation	Long press Answering Button
Standby (not pairing)	Bluetooth module enters visible mode
Standby (connection completed)	Dial the last dialed number in the call records

"Hand up Incoming Bluetooth Call" button

Under this situation	Short press Hang Up button
External calls	Rejecting
Talking (Hand free/Private)	Hang Up

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

AUX IN interface

The unit reserves a standard audio interface of 3.5mm 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 adjustment knob.

Volume during Reversing

When it is reversing, the infotainment system is controlled by the reversing lines, so the volume of all sound sources will be reduced, then the volume of original source will be resumed when the reversing is completed.

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

General Troubleshooting

If you find some features of the car audio are inoperative, please read the operating guide in this manual carefully before sending it to repair, then make the inspection according to the following table, this 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, ask our Service Dealer to replace it with the correct type of fuse.
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 can not be played	Please confirm that it is a MP3/WMA file, this unit does not support audio files in formats other than MP3/WMA.
The volume ups and downs 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, now you should adjust the volume knob.

Symptoms	Possible Causes and Solutions
Artist/Track/Title can not 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 space have been set, such as E and F disks, or more disk space, this model can not read the MP3 tracks in these disks. If you want to use it, please combine all disk space 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, it can be 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, determine if it is this unit's problem with other 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

Please read carefully and fully understand the following information before you use this product and keep this manual at hand for reference. This content is not applicable to the vehicles with Internet of Vehicles function.

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 equipments and auto parts, a dangerous situation may be posed.

According to the relevant national regulations, watching videos and related operations are prohibited during 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 chapter of the manual and strictly follow the operating instructions.

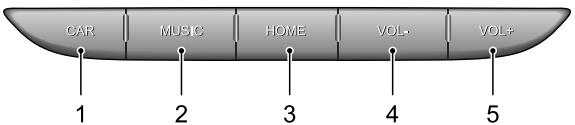
Never expose the product to any liquid, otherwise short circuit or damage may be caused.

The rear vision camera function of the system just serves as a driving aid, please pay attention to the actual situation.

Caution
• The product shall be kept away from moisture. • First operation of the product or reconnect after cut off the vehicle power-supply, date displayed on the screen of the entertainment system should be manually adjusted to accurately display. • Be sure to drive safely. • Make sure to follow the rules of safe driving and existing traffic regulations. • Do not do that if the operation of this product (and the rear view camera function) may have your attention diverted when you are safely driving. • If you have to operate by viewing the screen, please park the vehicle at a safe place and apply the parking brake. • Do not set the volume of the product too high, or you will not hear the traffic conditions and emergency rescue signals outside.

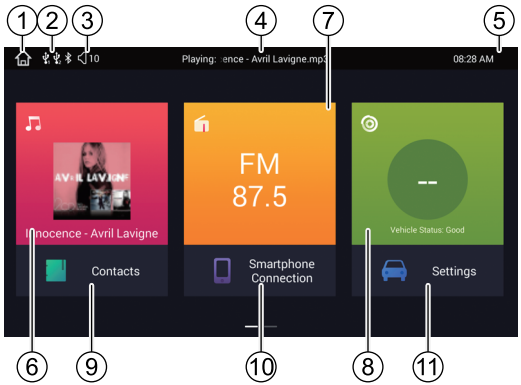
Caution
• For the sake of safety, some features, such as video playback, will be disabled when driving. • The system can detect the running speed of the vehicle. When the speed exceeds a certain value, the system will prevent you from watching a video when you drive. If you want to watch a video, please park the vehicle in a safe place and use parking brake. • In order to protect the battery from running out, please make sure to start the vehicle when the system is used. • The pictures shown on the manual are schematic diagrams which may be slightly different from the real car in details and for reference only, please in kind prevail. For the specific colors and functions of the interface for MP5+ radio system, please refer to the material object.

In-Car Entertainment System Control Switch



1 Vehicle Status Mode Switch
2 USB Music Mode Switch
3 Main Interface Mode Switch
4 Volume Down Switch
5 Volume Up Switch

Introduction and Operation of Main Interface Functions





1 Home Button

Touch this button to return to the main screen.

2 Displaying device connection status

The connection status of Bluetooth and USB is displayed. When they are connected, the corresponding icons will be highlighted. If they are not connected, the relevant icons will not be displayed.

3 Volume Button/Mute Button

The current volume information is displayed. Touch this button to switch the mute/current volume status.

4 Playback State Information

The background playing file name is displayed.

5 Time Display

The current system time is displayed.

6 USB Music Mode Icon

Touch the icon of USB music to enter the USB music playback interface to operate.

7 Radio Mode Icon

Touch the radio mode icon to enter the ratio interface to operate.

8 Vehicle Conditions Mode Icon

Touch the vehicle conditions mode icon to enter the vehicle conditions interface to operate.

9 Contacts Mode Icon

Touch the contacts mode icon to enter the contacts mode to operate.

10 Smartphone connection Icon

Touch the Smartphone connection icon to enter the Smartphone connection mode to operate.

11 Settings Mode Icon

Touch the settings mode icon to enter the settings mode to operate.

12 USB Video Mode Icon

Touch the USB video mode icon to enter the USB video playback interface to operate.

13 USB Picture Mode Icon

Touch the USB picture mode icon to enter the USB picture interface to operate.

Introduction and Operation of USB Music Mode

Touch the USB music mode icon on the main interface or MUSIC button on the instrument pack to enter the USB music playback interface, as shown below:



1 Current Playing Track

The current playing music track name is displayed.

2 Album Name

The current playing music album name is displayed.

3 Song Thumbnail

Touch the thumbnail to move it to the center area to play this song; and the song may also be selected to play by left or right dragging.

4 Lyrics Button

Touch this button to display/close the lyrics.

5 Playback Progress Bar

Touch and drag the progress bar to adjust the playback time point. The current playing file progress is displayed.

6 ☰List Button

Touch this button and a playlist pops up, as shown below:



- (1) Return Button

  Touch the return button to return to the playback interface.

  When you play music for the first time, you will enter a playlist interface, and because there is no any track playing, the return button doesn't appear and you can click any track to enter the playback interface.

- (2) Directory Display

  It displays song paths in the USB flash disk.

- (3) Back to Previous Level

  Touch the back button to return to the previous folder.

- (4) Back to Root Directory

  Touch the back button to return to the root directory of the USB flash disk.

- (5) USB Device 1

  The current connected device state is displayed, click this button to enter the USB device after connection.

- (6) USB Device 2

  The current connected device state is displayed, click this button to enter the USB device after connection.

- (7) Displaying the Folders and Files Under the Current Directory

  All the tracks can be browsed through up and down dragging; touch a track to play and skip to the music playback interface.

7 ⏮Previous Track Button

Touch this button to switch to the previous track to play.

8 ▶Play/⏸Pause Button

Touch the play button to play a song and the button is switched to pause button; touch the pause button to pause the song and the button is switched to play button.

9 Next Track

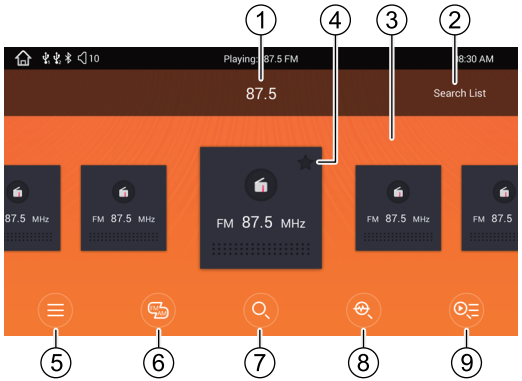
Touch this button to switch to the next track to play.

10 Shuffle/Order/Repeat All/Repeat One

Touch this button to switch Shuffle/Order/Repeat All/Repeat One functions.

Introduction and Operation of Radio Mode

Touch the radio mode icon on the main interface to enter the ratio interface, as shown below:



1 Current Playing Frequency Point Display

It displays the current playing frequency point.

2 List State Display Area

It displays the current list state.

3 Radio Thumbnail

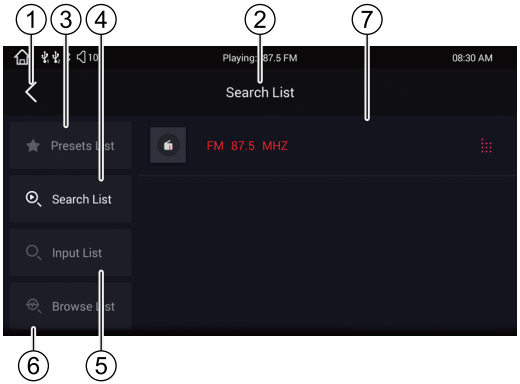
Touch the thumbnail to play the frequency point; and the channel change may also be fulfilled by left or right dragging.

4 ★Favorites Feature

Touch this button to bookmark the frequency point.

5 Radio List

Touch this button, and a radio list pops up, as shown below:



- (1) Return Button

  Touch this button to return to the radio playback interface.
- (2) Current Position

  The current corresponding list interface is displayed.
- (3) Presets List

  Touch this button to enter the presets list and the icon and font are highlighted.
- (4) Search List

  Touch this button to enter the search list and the icon and font are highlighted.
- (5) Input List

  Touch this button to enter the input list and the icon and font are highlighted.
- (6) Browse List

  Touch this button to enter the browse list and the icon and font are highlighted.
- (7) Frequency Point Browsing Area

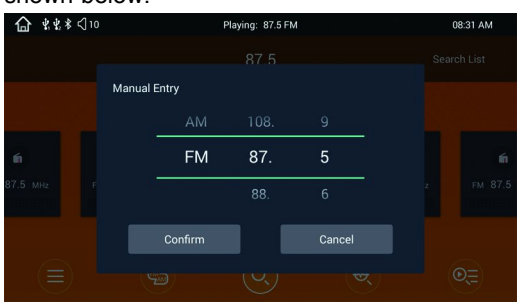
  All the frequency points can be browsed through up and down dragging; touch a frequency point to play and skip to the radio playback interface.

6 Bank Switch

Touch this button to perform cyclic switching between FM->AM->FM.

7 Manual Search Feature

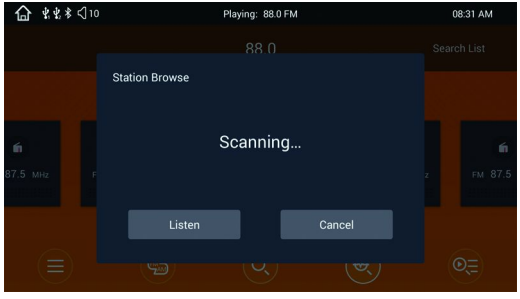
Touch this button and a manual input interface pops up, as shown below:



Select the frequency point through up and down dragging, click Confirm after section and play the input frequency point; if it is not necessary to play the input frequency point, click Cancel and return to the radio interface to continue playing.

8 Automatic Scan Button

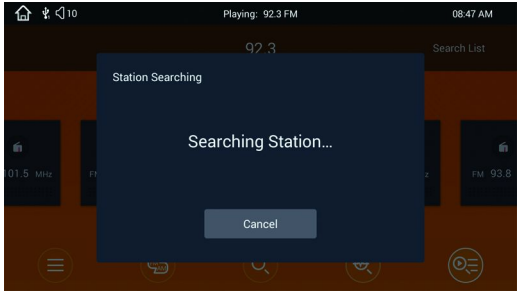
Touch this button and an automatic scan interface pops up, as shown below:



Start to search channels from the current playing frequency point, if an effected radio frequency point is searched, play it for 10 seconds and continue to scan for a cycle till it gets back to the starting point.

9 Auto Save Button

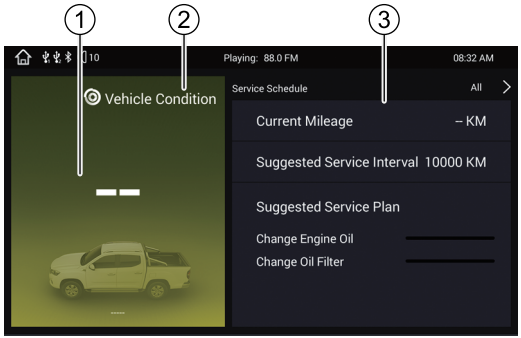
Touch this button and an auto save interface pops up, as shown below:



Touch the button to search channels from the lowest frequency point to the highest frequency point and save the searched valid radios to the search list to update and replace it.

Introduction and Operation of Vehicle Conditions Mode

Touch the vehicle conditions mode icon on the main interface or CAR button on the instrument pack to enter the vehicle conditions interface. The integrate information shows what state the whole vehicle is in and relevant ratings, as shown below:



1 Ratings for Current vehicle conditions

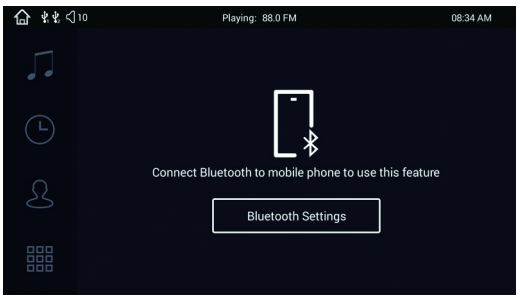
2 Vehicle Condition Details

3 Vehicle Conditions Homepage

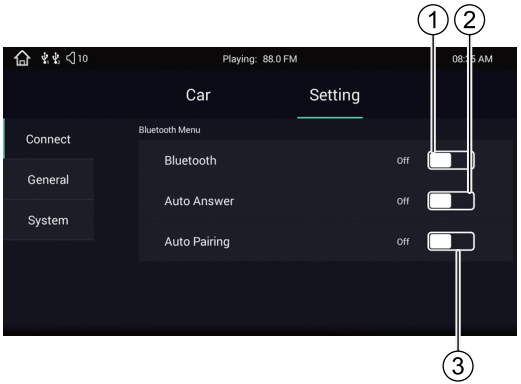
Introduction and Operation of Bluetooth State Mode

Pairing Setting

Please enable the Bluetooth function of mobile phone, and then touch the Contacts mode icon on the main interface, an interface as shown below appears:

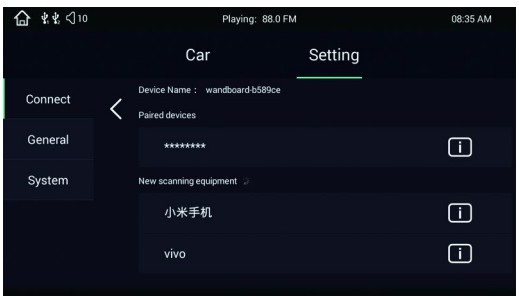


Click 【Bluetooth Settings】 to enter the Bluetooth connection interface, as shown below:

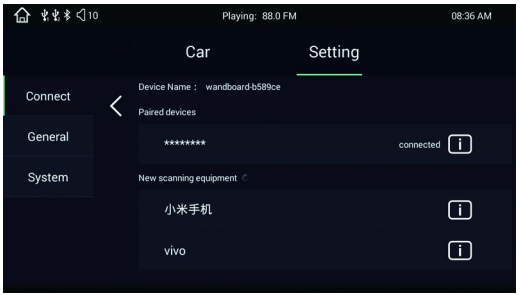


1 Bluetooth ON/OFF

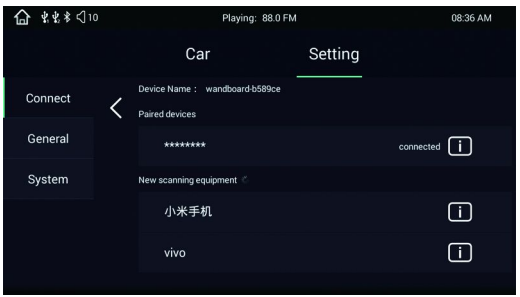
The Bluetooth ON/OFF defaults to OFF 【】; when the ON/OFF status is ON 【】, touch the Bluetooth ON/OFF to enter the Bluetooth pairing interface, as shown below:



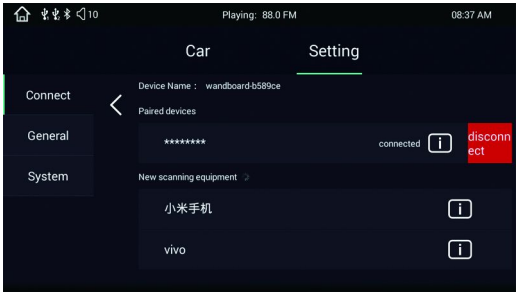
Touch the names of mobile phones which need to connect, an interface as shown below appears:



An interface as shown below will be displayed after successful connection:



If a pairing device needs to be deleted, click 【ⓘ】 and an interface as shown below will appear:



Click 【disconnect】 to delete the device.

2 Auto Answer

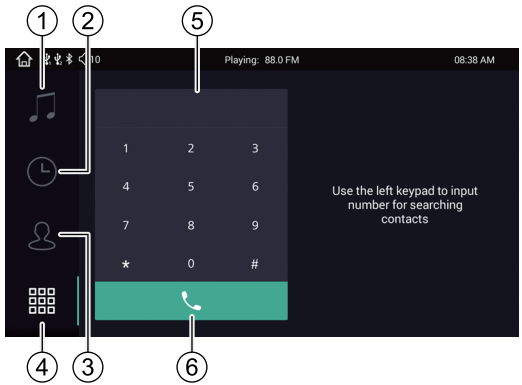
The automatic answer defaults to OFF 【▭】, in this state, you need to answer a call manually; if the automatic answer state is ON 【▬】, the call will be answered automatically.

3 Auto Pairing

The automatic pairing defaults to OFF 【▭】, after entering the Bluetooth pairing interface, the mobile phone needs to be connected manually; if the state is ON 【▬】, enter the Bluetooth pairing interface again to automatically connect the mobile phone whose Bluetooth is switched off last time.

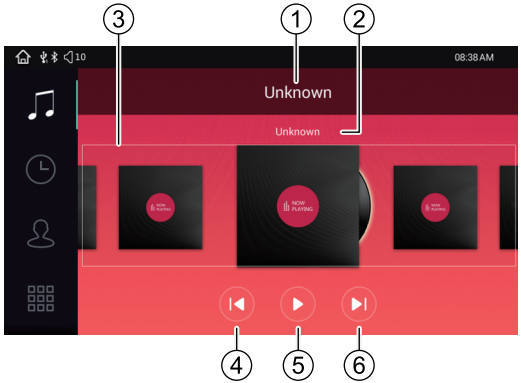
Bluetooth Interface

Touch the contacts mode icon on the main interface after successful pairing and an interface as shown below appears:



1 Bluetooth Music

Touch this button, a Bluetooth music interface pops up, as shown below:



- (1) Information Display

  The current playing track information is displayed.
- (2) Album Name

  The current playing music album name is displayed.
- (3) Sliding List

  The songs in your mobile phone are displayed and you may select any song by left or right dragging or clicking
- (4) Previous Track Button

  Touch this button to switch to the previous track to play.
- (5) Play/Pause Button

  Touch the play button to play a song and the button is switched to pause button; touch the pause button to pause the song and the button is switched to play button.
- (6) Next Track

  Touch this button to switch to the next track to play.

2 Call History

Touch this button, a call history interface pops up, as shown below:



3 Phone Book

Touch this button, a phone book interface pops up, as shown below:



The names in the phone book are in alphabetical order, and you may search a contact by up and down dragging; G in the figure means the initial letter for the current contact's name is G.

4 Dialing Interface

5 Dialing Interface

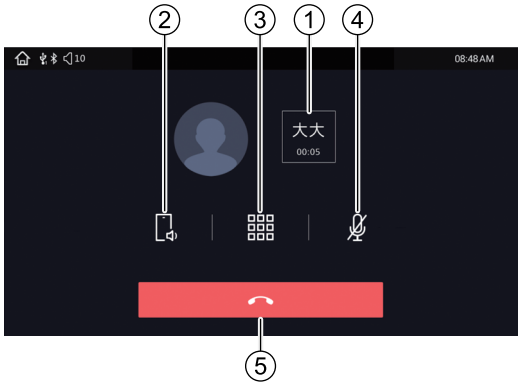
Touch this button, a dialing interface pops up, as shown below:



You may touch relevant figures to input a number and a matching result in the phone book will appear on the right side; if the phone book is not downloaded, the relevant numbers will not be displayed.

6 Dialing Feature

After a number is input, touch the dialing feature, and a phone box pops up when dialing as shown below:



- (1) Display Area

  The contact information is displayed.
- (2) Private/Hands-free Button

  Toggle between Sound Enabled - Sound Disabled - Sound Enabled.
- (3) Dial Pad

  Touch this button to enter the dial interface.
- (4) Mute/Non-silence Button

  Toggle between Sound Enabled - Sound Disabled - Sound Enabled.
- (5) Hangup Button

  Touch this button to hang up.

Precautions for Bluetooth Use

When Bluetooth music is played, because of the compatibility of mobile phone, the current song name may not be read by a third party APP player (third party APP: not the mobile phone's own software, but the software which is downloaded and installed by the user).

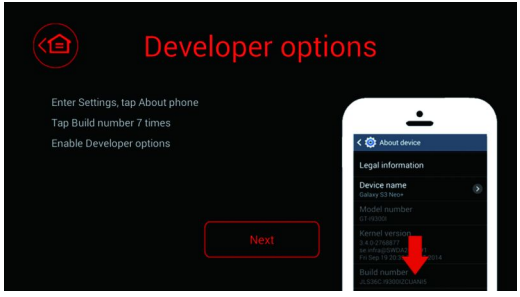
Smartphone Connection

Connect your mobile phone with the onboard information entertainment system via a USB cable, touch the Smartphone Connection mode icon on the main interface.

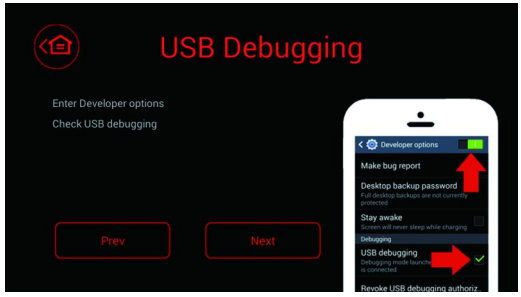
Android interconnected

Before use Android connect， mobile phones and mobile phone connections need to do the following confirmation:

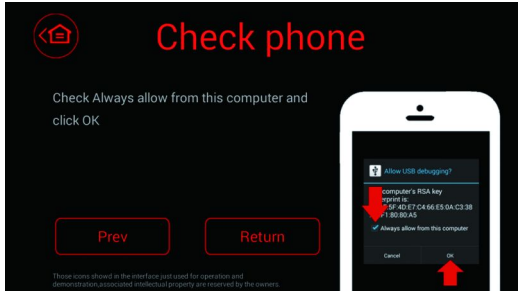
- Confirm the Bluetooth connection between the mobile phone and the Bluetooth in car, otherwise the sound can not be issued by the car.
- Confirm to use the original wiring harness, otherwise the Bluetooth can not connection between the mobile phone and the Bluetooth in car.



Click 【Next】 to enter "USB Debugging" interface, as shown below:

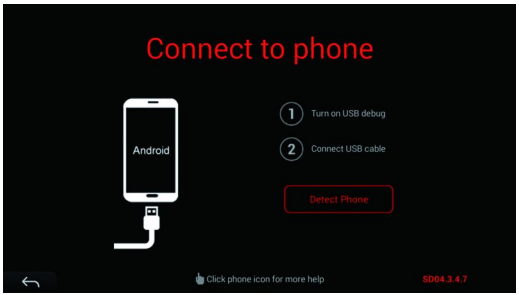


Then click 【Next】 to enter "Check phone" interface as shown below:

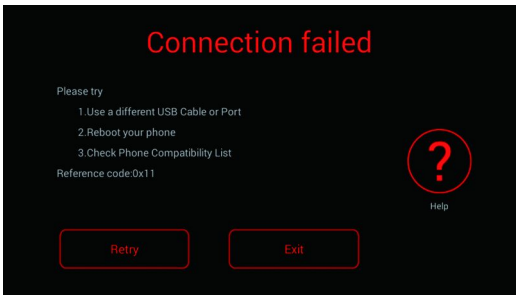


Android interconnected

Touch 【Android - interconnected】 icon to enter an interface as shown below:



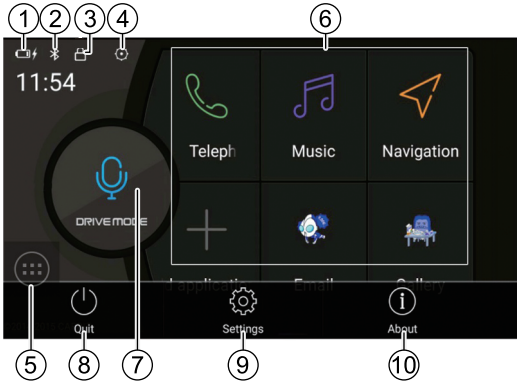
Touch 【Detect Phone】 to connect, if the connection fails, an unsuccessful connection warning will be given as shown below:



If it is connected, enter the Android interconnected feature interface directly.

Android interconnected Feature Interface

If it is connected you will enter the interface as shown below:



1 Battery Level Icon

2 Bluetooth Icon

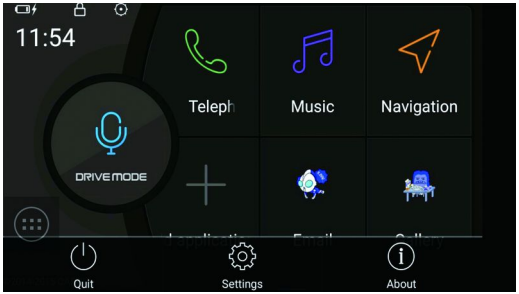
If Bluetooth function is enabled, this icon will be displayed; if Bluetooth function is disabled, this icon won't be displayed.

3 Screen Rotation

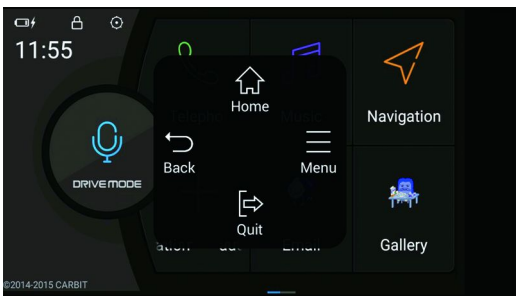
Touch 【】, the screen rotation is ON; touch 【】, the screen rotation is OFF.

4 Menu

Touch 【】, an interface as below appears:



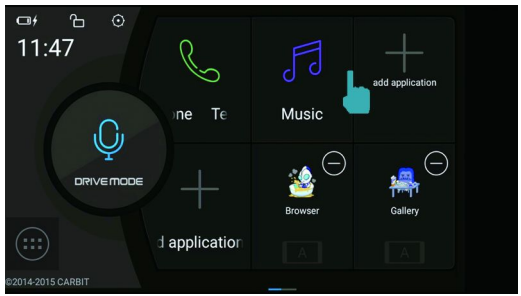
5 Motion Icon



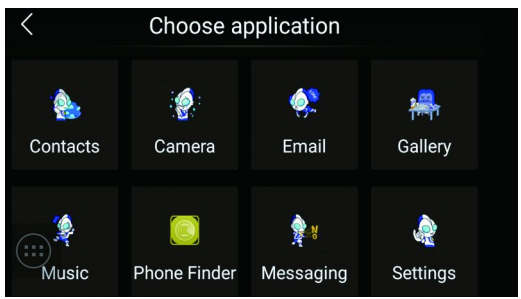
- Touch 【Back】 to return to the current page.
- Touch 【Quit】 to exit double screen interaction.
- Touching 【Menu】 has the same function as touching 【⚙】.
- Touch 【Home】 to enter the main interface of Android - interconnected.

6 Feature Icon

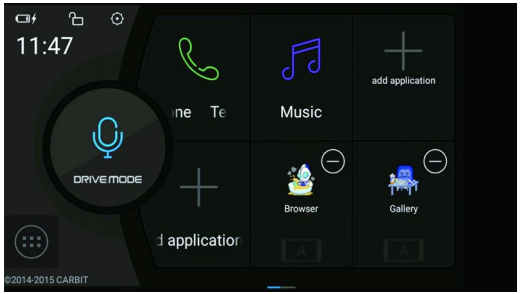
Press and hold the Feature Icon to add application software. Press and hold the navigation button to add navigation software in your mobile phone, as shown below:



List the existing navigation application software in your mobile phone, as shown below:



After an application icon is added, if you press and hold the application icon, you will enter edit mode, as shown below:

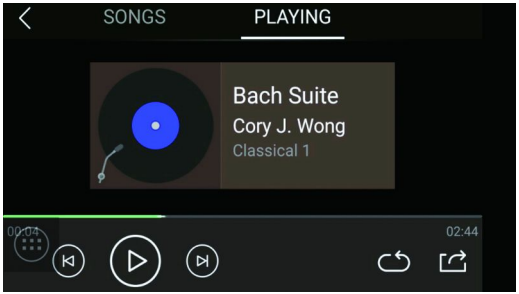


Light "A" icon, the software may adapt to the landscape display of onboard information entertainment system, as shown below:

- Onboard Information Entertainment System Landscape Display Not Started



- Enable the landscape display of onboard information entertainment system to fulfill full screen.



7 Voice Function

Press and hole the voice icon to realize speech input.

8 Quit

Touch Quit to go back to the mobile phone interface directly.

9 Settings

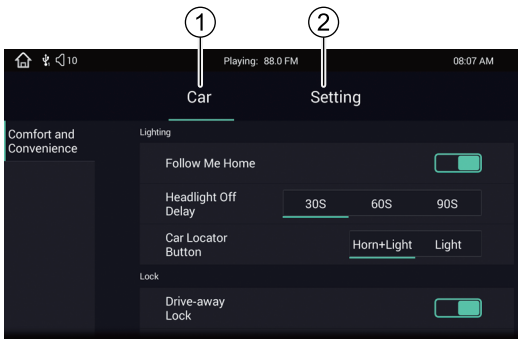
Touch Settings, you may set to enable voice reminder and other functions.

10 About

Touch About to view Android interconnected version.

Settings

Touch the Settings mode icon on the main interface to enter the settings interface, as shown below:



1 Car Setting

Touch this button to enter the Car Setting interface.

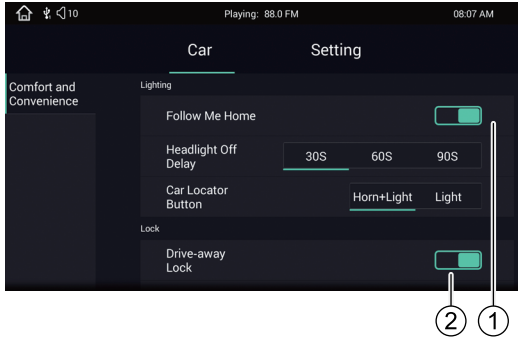
2 System Setting

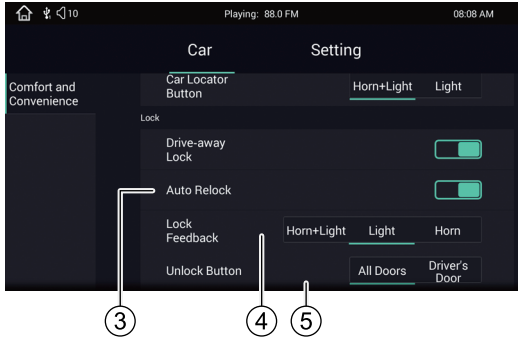
Touch this button to enter the setting interface.

Car Setting

Comfortable and Convenience

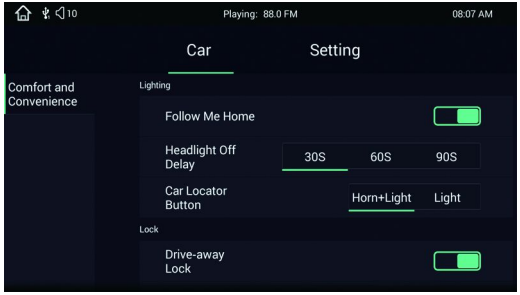
Touch this button to enter the Comfortable and Convenience setting interface, as shown below:





1 Follow Me Home

If 【▬】 appears, it means Follow Me Home is ON and an interface as shown below appears:



There are 3 options, such as 30S, 60S and 90S available for users to choose to keep the light ON; If 【▭】 appears, it means Follow Me Home is OFF.

2 Drive-away Lock

If 【▬】 appears, it means Drive-away Lock function is ON; if 【▭】 appears, it means Drive-away Lock function is OFF.

3 Auto Relock

If 【▬】 appears, it means Auto Relock function is ON; if 【▭】 appears, it means Auto Relock function is OFF.

4 Lock Feedback

Horn+Light, Light and Horn are available to choose.

5 Unlock Button

Unlocking all the doors and only unlocking the driver door are available to choose.

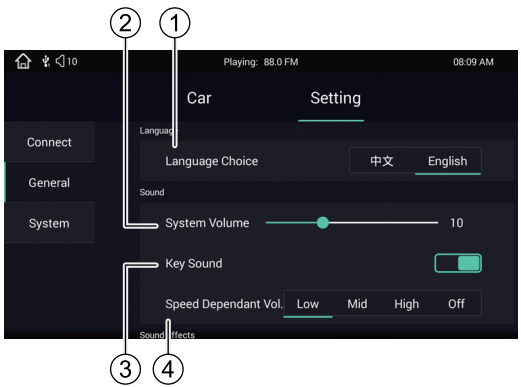
System Setting

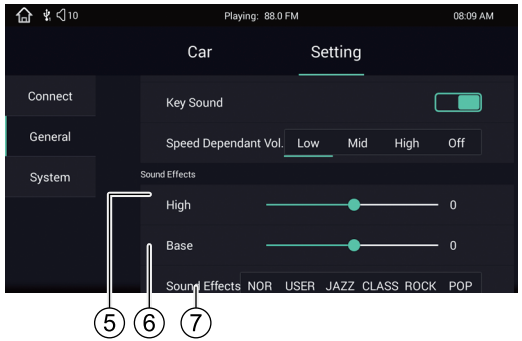
Connect

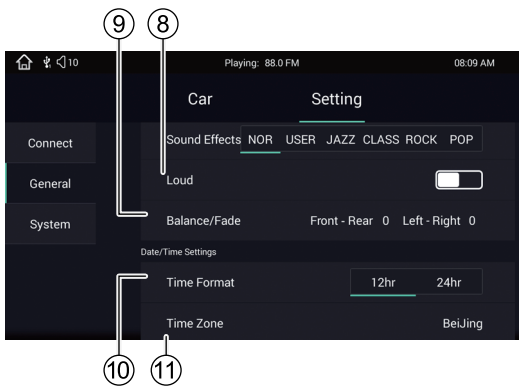
Please refer to the above description of Bluetooth setting for details.

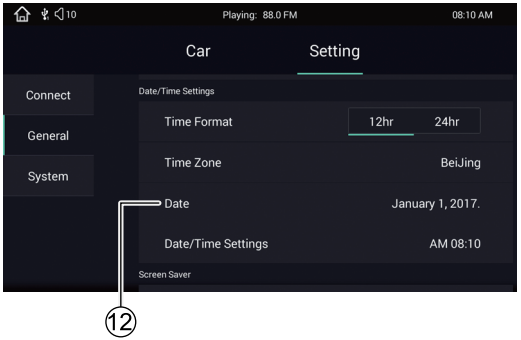
General

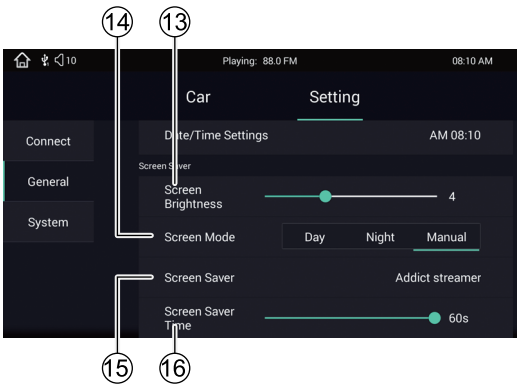
Touch 【General】 to enter the universal setting interface, as shown below:











1 Language Choice

Touch 【中文】, the system language switches to Chinese; touch 【English】, the system language switches to English.

2 System Volume

The volume can be adjusted within the range of 0-10 by left or right dragging.

3 Key Sound

When 【▬】 appears, it means the Key Sound is ON; when 【▭】 appears, it means the Key Sound is OFF.

4 Speed Dependant Vol.

It can switch automatically among Low/Mid/High/Off.

5 Treble Setting

Drag 【●】 on the slider to decrease or increase the treble effect by moving left or right.

6 Bass Setting

Drag 【●】 on the slider to decrease or increase the bass effect by moving left or right.

7 Sound Effects

【NOR】/【USER】/【JAZZ】/【CLASS】/【ROCK】/【POP】 are available to select.

8 Loudness Setting

When 【▬】 appears, it means the Loudness function is ON; when 【▭】 appears, it means the Loudness function is OFF. Loudness ON/OFF defaults to OFF.

9 Sound Field Setting

Touch this button to enter the sound field setting interface, as shown below:



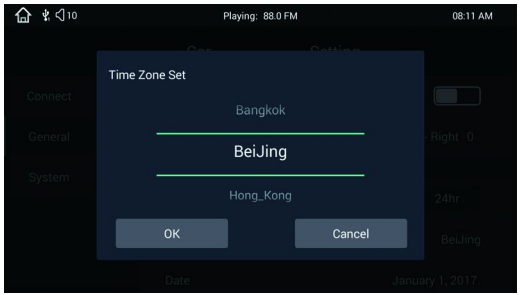
Drag 【●】 to adjust front/rear/left/right channel balance output; touch Reset, and the sound setting restores to the initial state.

10 Data Format Setting

Touch option 【12】/【24】 to set specific time system. The adjustable range of 12-hour time display is within 1 - 12 hours and the adjustable range of 24-hour time display is within 0 - 23 hours.

11 Time Zone Setting

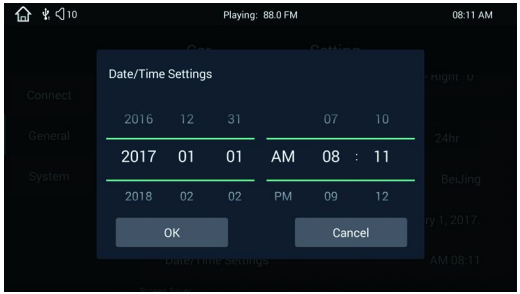
Touch this button to enter the time zone setting interface, as shown below:



You may drag up and down to select the time zone; click OK after the setting is completed, and the modified time zone will be saved; click Cancel, it will not be saved.

12 Setting of Date and Time

Touch this button to enter the date and time setting interface, as shown below:



You may drag up and down to set Year/Month/Day/Hour/Second, click OK after the setting is completed, and the modified time will be saved; click Cancel, it will not be saved.

13 Screen Brightness Setting

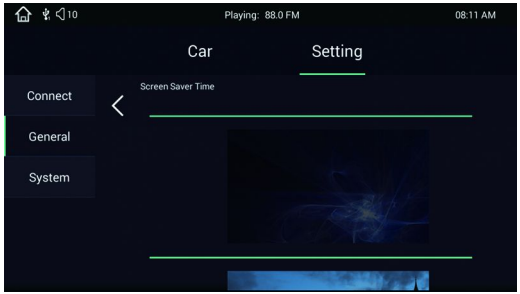
Drag 【●】 on the slider to darken or brighten the screen by moving left or right.

14 Screen Mode Setting

There are three modes like 【Day】/【Night】/【Manual】 available to select.

15 Screen Saver Setting

Touch 【Screen Saver】 to enter the screen saver setting interface, as shown below:



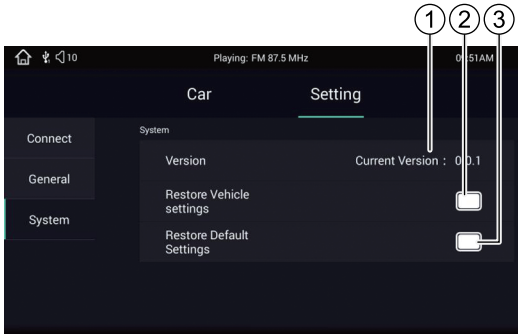
You may drag up and down to select an image for a screen saver, then touch 【<】 to return to the setting interface, and the operation will be saved automatically.

16 Screen Saver Time Setting

Drag 【●】 on the slider to adjust the screen saver time leftwards and rightwards.

System

Touch 【System】 to enter the system setup interface, as shown below:



1 Version

The current system version information is displayed.

2 Restore Vehicle Settings

Touch this button, and an interface as shown below pops up:



Touch 【OK】 to restore previously set Vehicle Settings parameters to Factory Default. Touch 【Cancel】 to reserve manually set parameters.

3 Restore Default Settings

Touch this button, and an interface as shown below pops up:



Touch 【OK】 to restore previously set System Settings parameters to Factory Default. Touch 【Cancel】 to reserve manually set parameters.

Introduction and Operation of USB Video Feature

Touch the USB video mode icon on the main interface to enter the USB video interface, as shown below:



1 ●Playback Progress Bar

Touch and drag the progress bar to adjust the playback time point. The current playing file progress is displayed. You can also move left or right on the playback interface to adjust the playback progress.

2 ☰List Button

Touch this button to enter the video list interface, as shown below:



- (1) Return Button

  Touch the return button to return to the playback interface.

  When you play a video for the first time, you will enter a playlist interface, and because there is no any video playing, the return button doesn't appear and you can click any video to enter the playback interface.
- (2) Current Path Display Area

  The current browsing path is displayed.
- (3) ↩ Back to Previous Directory Button

  Touch this button to go back to the previous directory.
- (4) ↪ Back to Previous Directory Button

Touch this button to go back to the root directory of USB flash disk.

- (5) USB Device 1

  The current connected device state is displayed, click this button to enter the USB device after connection.

- (6) USB Device 2

  The current connected device state is displayed, click this button to enter the USB device after connection.

- (7) Displaying the Folders and Files Under the Current Directory

  All the tracks can be browsed through up and down dragging; touch a track to play and skip to the music playback interface.

3 Previous Track Button

Touch this button to switch to previous music to play.

4 Play/Pause Button

Touch the play button to play music and the button is switched to pause button; touch the pause button to pause the music and the button is switched to play button.

5 Next Track Button

Touch this button to switch to next music to play.

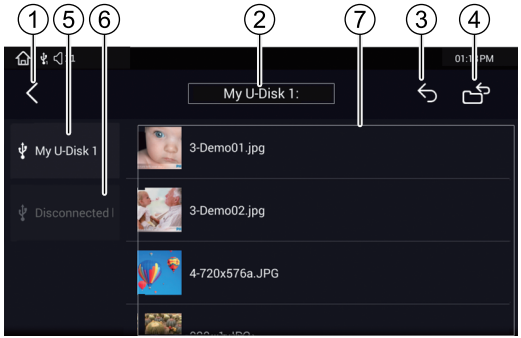
Introduction and Operation of USB Image Browsing Feature

Touch the USB image mode icon on the main interface to enter the USB image interface, as shown below:



1 List Button

Touch this button to enter the image list interface, as shown below:



- (1) Return Button

  Touch the return button to return to the playback interface.

  When you play a video for the first time, you will enter a playlist interface, and because there is no any video playing, the return button doesn't appear and you can click any video to enter the playback interface.

- (2) Current Path Display Area

  The current browsing path is displayed.

- (3) Back to Previous Level Directory

  Touch this button to go back to the previous directory.

- (4) Back to Previous Directory Button

  Touch this button to go back to the root directory of USB flash disk.

- (5) Current Used USB Flash Disk

  It indicates that the current USB flash disk is being used.

- (6) Second USB Flash Disk

  It indicates that another USB flash disk can be used.

- (7) Displaying the Folders and Files Under the Current Directory

  You can drag up and down to browse all the images; touch an image to display and skip to the image interface.

2 Previous Image Button

Touch this button to switch to the previous image.

3 Play/Pause Button

Touch the play button to display images and the button is switched to pause button; touch the pause button to pause the image play and the button is switched to play button.

4 Next Image Button

Touch this button to switch to the next image.

5 Selection Button

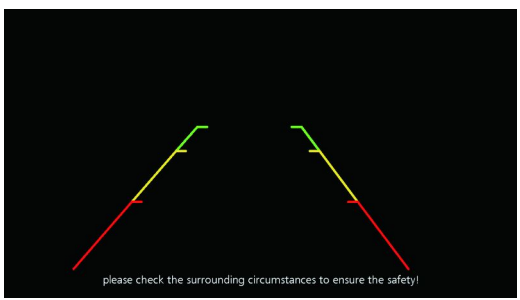
Touch this button to rotate the image clockwise by 90 degrees to display.

Rear Vision

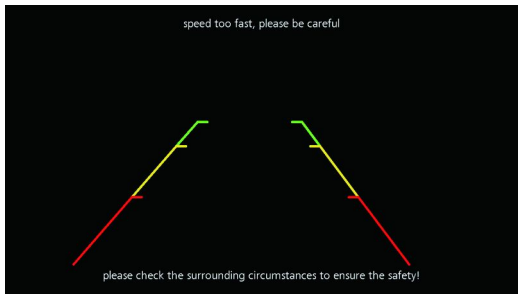
Caution
Rear Vision is only an assist function, and you may make an judgment according to the actual environment when you use it.

Rear Vision Camera Video Display

During reversing, the entertainment system is controlled by reverse lines to automatically switch to the rear vision camera video display, the volume of all the sound sources is kept down, the reversing is completed and the sound source volume is reset.



When your reverse speed is more than 20km/h, a screen as shown below appears:



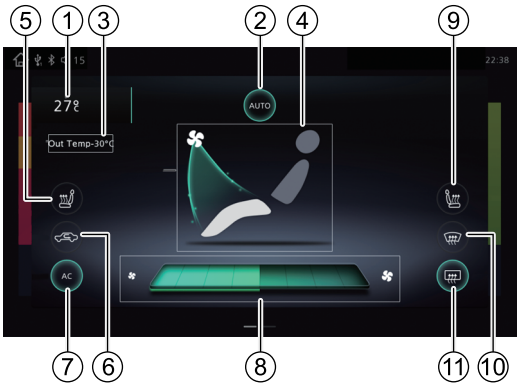
In case of camera failure, a screen as shown below appears:



Note: In this instance, do not remove the camera and do contact the staff from our Service Dealer to inspect your car.

A/C Display

If the air conditioner is turned on, an interface as shown below will appear:



1 In-car Temperature Display

The temperature set by an user is displayed.

2 AUTO

When it is highlighting, it means that the A/C mode is automatic.

3 External Temperature Display

The current actual external temperature is displayed.

4 Air Distribution Mode

Displays the current air distribution mode, i.e, FOOTWELL, FACE, FACE/FOOTWELL.

5 Left Seat Heating

When it is highlighting, it means that the current seat is being heated.

6 Air Circulation Mode

It can be classified into internal recirculation and external recirculation.

7 AC

It indicates that it is being cooled when highlighting.

8 Blower Speed Display

The current air volume is displayed.

9 Right Seat Heating

When it is highlighting, it means that the current seat is being heated.

10 Defrost Mode

It indicates that the defrost mode is ON when highlighting.

11 Rear Window Defrosting

It indicates that the defrost mode is ON when highlighting.

USB Flash Disk Supported Capacity, Formats and Brands

USB Flash Disk Format and Maximum Capacity Supported by This Unit

This unit is like a home computer which supports original intact USB flash disks (Kingston, Toshiba, Lenovo, HP A-data, Sandisk, TELECT etc.) and the maximum capacity of 32G. It doesn't support pirated, poor or damaged USB flash disks, because when any pirated, poor or damaged USB flash disk is operated in the unit, the playback will not be smooth, it will give a reminder that the USB flash disk is not supported, the video or audio is not supported and even system crash will happen; as all the above undesirable phenomenons appear due to a pirated, poor or damaged USB flash disk, the manufacturer will not offer any support.

Audio and Video/Image Formats Supported by USB Flash Disk

Audio formats: MP3, AAC, WMA, WAV, FLAC, AMR/AWB.

Video formats: MP4, 3GP, WMV, MKV, ACC, ASF, The hardware decoding unit supports 1080P high definition all-format decoding (some formats only support 720P or lower), and the maximum support bitstream of 50Mbit/Sec (some formats only support 20Mbit/Sec or lower) and don't support to play the video file with a resolution higher than 1080P or a bitstream higher than 50Mbit/Sec (when exceeding the limits, the unit may have such phenomenons as poor video, mosaic, skip, exit, etc., which are normal as with the home computer).

Image formats: JPG, BMP, JPEG, PNG, GIF, which do not support the images larger than 10M, or it may get stuck to play a image.

Total Number of Files and Folders under Root Directory in USB Flash Disk

The total number of files and folders under the root directory in USB flash disk shall not exceed 999, or it will affect the speed and loading effect that the unit system scans the files in the USB flash disk, and it may even lead to unit crash.

Common Troubleshooting

Phenomenon	Possible Reasons	Solution
Screen Too Dark	Improper Brightness Setting.	Enter the screen setting to adjust the brightness of screen.
	Vehicle Headlamp Normally ON.	Vehicle Headlamp OFF.
Not Power On	Appliance Power Supply or Vehicle Fuse Blown.	Please ask our Service Dealer to replace it with the fuse of correct type.
No Sound Output	Unit Mute.	Short press the mute button on the steering wheel or short press the mute icon on the top.
	When playing a video, you have returned the directory, homepage or entered the setting interface.	The video is in pause state at the moment, then enter the video interface to continue to play.
Bluetooth music mode mutes	It is switched to Bluetooth music but not playing.	Play Bluetooth music from your mobile phone or short press the play button on Bluetooth music.
Low Volume	The volume is adjusted to a low level.	Operate Volume + button to adjust volume.
	The channel balance position is far away from the center.	Enter the setting to adjust the channel balance position to the center.
The radio cannot find valid stations.	The radio antenna is not properly connected.	Connect the radio antenna properly.
A USB flash disk is inserted but it's failed to enter USB mode	The USB flash disk has poor quality.	Make sure that the USB flash disk is original and quality-assured.
	There is no any audio, video or image resource in the USB flash disk.	Check the USB flash disk for any available media content.

Phenomenon	Possible Reasons	Solution
Slow response after inserting the USB flash disk	The USB flash disk has poor quality.	Make sure that the USB flash disk is original and quality-assured.
	The capacity of USB flash disk exceeds the limit of 32G.	Please use the USB flash disk with a capacity within 32G.
	The hierarchical arrangement of folders is too complex and there are too many folders.	Clean up the USB flash disk to guarantee a clear hierarchical arrangement of folders in the USB flash disk.
	There are large capacity files in the USB flash disk.	Clean up the USB flash disk and remove the large capacity non-media files.
A reminder is given that the audio or video file is not supported, it gets stuck or mosaic or no playing, etc happens	The audio or video file is damaged.	Ensure that the audio or video can be played normally on the home computer.
	The video resolution exceeds 1920*1080 and the bitstream is over 50M/S.	Be sure that the playing file is within the set range.
	Non-video DAT File.	DAT is a special format, which is classified into video format and data format. The DAT file of data format is not supported.

Caution
If the failure still exists, take your vehicle to our Service Dealer for service. Don't disassemble the onboard entertainment system for repair by yourself without authorization.

Starting and Driving

130 Before Starting and Driving
130 Ignition Switch
133 Keyless Start System
136 Engine Immobilizer System
137 Start/Stop the Engine
138 Driving
140 Catalytic Converter
143 Fuel
146 Manual Transmission
147 Automatic Transmission
149 Power Steering Device
150 Four-Wheel Drive (4WD)
152 Brake system
159 Cruise Control System
162 Parking Assist System
165 Lane Departure Warning System
166 Blind Spot Monitoring System
167 Tire
169 Loading
171 Trailer Towing

Before Starting and Driving

- Conduct daily/weekly maintenance checks on the vehicle in accordance with the provisions in Maintenance - Owner Checks.
- Ensure seats are in correct positions through check.
- Ensure all rearview mirrors are adjusted to correct positions through check.
- Ensure all lighting, signal systems and warning indicators operate normally.
- Ensure all passengers have fastened their seat belts correctly through check.

Move the ignition switch in "ON" position, and ensure all warning lamps and gauges operate normally through check. Please refer to "Warning Lamps and Indicators" in the Before You Drive section.

Caution
Before reading this chapter, please make sure you have read the Before You Drive section in this manual and you have been familiar with your vehicle and on-board equipment.

Ignition Switch

Key Start

Do not pull out the key during driving. Otherwise you will lose control of vehicle direction.

Be sure to pull out the key after turning off the ignition switch, especially when you plan to get off and leave a child alone in the vehicle.

Do not coast down with the ignition switch off, because the assistance of brake booster and power steering device will not be provided in this case.

Note: Your vehicle has been installed with the engine immobilizer system. Please refer to "Engine Immobilizer System" in this section.

The ignition switch has the following positions:

LOCK: The ignition switch is off. You can insert or pull out the key only when the ignition switch is placed in this position. After the key is pulled from LOCK position, the ignition switch will lock steering columns to prevent the steering wheel from rotating.

ACC: Steering columns are unlocked, and individual electric appliances and accessories can operate, such as radio and cigarette lighter.

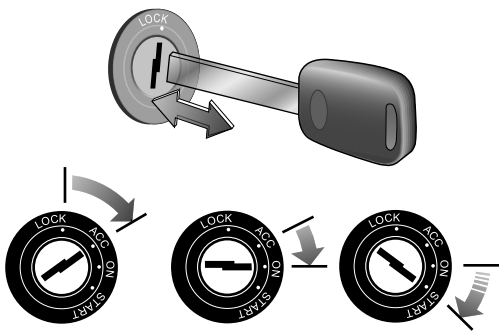
Note: You may need to slightly rotate the steering wheel to unlock the steering lock.

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

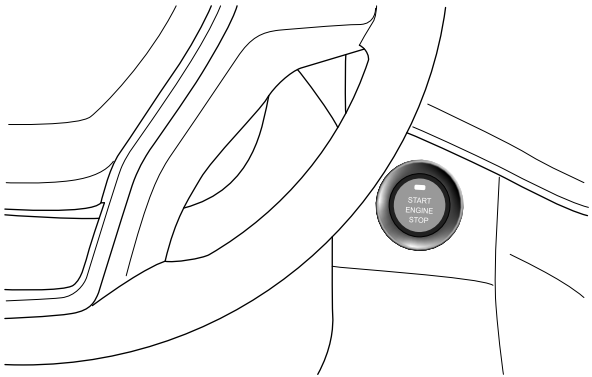
ON: The ignition switch is on, and all instruments, control devices and circuits can operate.

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 electronic hands-free key ignition switch, that is, the start-stop switch for button-type start. The system will operate only when the PEPS key is in the vehicle. For an AT model, if you want to move the shift lever out of P, you must depress the brake pedal with the ignition switch placed in ON position.

ACC - red lamp

- Start Failure

  In case of engine start failure, the ignition switch will switch to ACC.

- Abnormal Parking

  When the engine is running and the shift lever is not in N gear (for MT model) or P gear (for AT model), press this button and the ignition switch will switch to ACC.

- Emergency Flameout

  W hen 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.

ON - green lamp

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 lamp

This position is used for starting the vehicle. When the engine shuts down, there is an effective remote key in the vehicle and the starting conditions are met, press and release this button, and then engine will be started.

Starting conditions:

- For a MT model:

  Place the shift lever in N position.

  Depress the clutch pedal all the way down and hold.

- For an AT model:

  Place the shift lever in P or N position.

  Depress the brake pedal and hold.

OFF

This position shuts down the engine. When the shift lever is placed in N (for MT model) or P (for AT 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 switch 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, the central lock will unlock automatically. After unlocking, direction indicator lamps 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 passenger's door is unlocked, enter the sensing area with a remote key, and then press the microswitch on the door handle. The direction indicator lamps 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

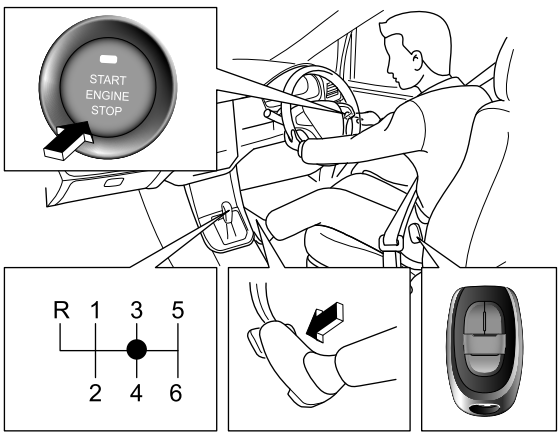
When the remote key is left in the vehicle and the starting conditions are met, press the start-stop switch once at this time, and then the engine will be started.

Starting conditions:

- For a MT model:

  Place the shift lever in N position.

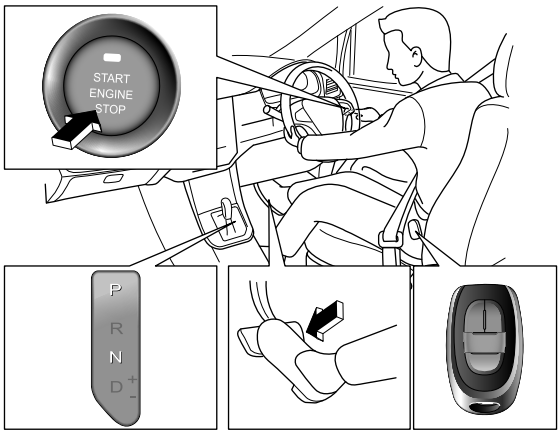
  Depress the clutch pedal all the way down and hold.



- For an AT model:

  Place the shift lever to P or N position.

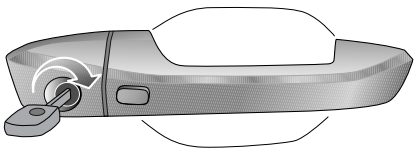
  Depress the brake pedal and hold.



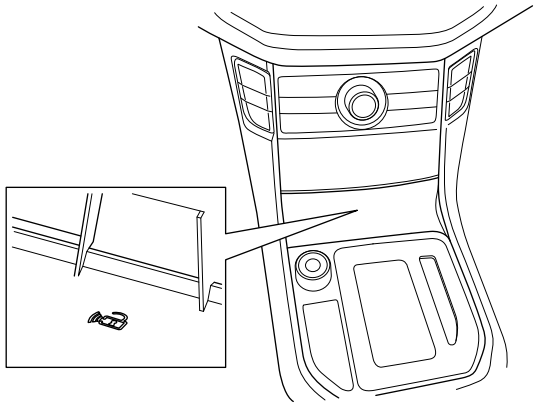
Note: If the starting conditions are not met, every time you press the start-stop switch, the power supply positions will be switched among OFF, ACC and ON in a cycle. If the remote key is not in the vehicle, after depressing the brake pedal (for AT model) or clutch pedal (for MT model), the indicator 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 of meeting starting conditions, lay the key flat in the position with an identification in the storage box which is in front of the central armrest and press the start-stop button. Then the engine can be started.



Emergency Flameout

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 switch within 3s.

2 Press the start-stop switch for continuous 3 times.

Engine Immobilizer System

Key

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.

For a vehicle equipped with the PEPS system, its engine can not be started only when the remote key is in the vehicle.

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

Enable/disable

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 for a long time. If the IMMO warning lamp (yellow) flashes, it is shown that the immobilizer system goes wrong and the engine cannot be started. Contact our Service Dealer by the Company for overhaul immediately.

For a vehicle equipped with the PEPS system, when the start-stop switch is placed in ON position, if the authentication succeeds, the IMMO warning lamp (yellow) on the instrument cluster will keep off for a long time. If the IMMO warning lamp (yellow) flashes, it is shown that the immobilizer system goes wrong and the engine cannot be started. Contact our Service Dealer by the Company for overhaul immediately. If the remote key is not in the vehicle or there is certain interference, the information center on the combination cluster will display the prompt "Key not in the vehicle". If the battery of remote key shall be replaced, the information center on the combination cluster will display the prompt "Please replace the battery of remote key". Please replace the battery of remote key as soon as possible.

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 keyring shall not exceed 1.

Start/Stop the Engine

Starting

CO is a harmful gas and may cause coma, even death. Avoid inhaling vehicle exhaust because it contains colorless and odorless 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 correct. If you have to operate in this kind of environment, please open all windows completely.

- For a MT model:

  Place the shift lever in N position.

  Depress the clutch pedal all the way down and hold.
- For an AT model:

  Place the shift lever in P or N position.

  Depress the brake pedal and hold.

Vehicles equipped with diesel engine

Place the ignition switch in ON position, and wait for the "glow plug indicator lamp (yellow)" on the instrument cluster to go off. Turn the key to START position to start the engine. After the engine begins running, release the key immediately, and the ignition switch will automatically return to ON position.

For vehicles equipped with the PEPS system, please refer to "Ignition Switch" and "Keyless Start System" in this section.

Note: During starting, do not keep the starter running for 10s above. If the engine is not started, wait for at least 30s after turning off the ignition switch and try again. As the ambient temperature declines, the engine starting time may increase correspondingly. Therefore, please turn off all unneeded electrical appliance temporarily during starting. At a weather with the temperature below -25℃, please park the vehicle in the garage.

Caution
Avoid high-speed and full-throttle running before the engine reaches the operating temperature.

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 driving performance during driving, the engine system will enter the "self-protection mode". In this case, the "engine MIL (yellow)" on the information center display screen will start flashing or stay on. Please contact our Service Dealer for service immediately.

Shutdown

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

For vehicles equipped with the PEPS system, please refer to "Ignition Switch" and "Keyless Start System" in this section.

Pull up the parking brake handle.

Caution
For vehicles equipped with diesel engine, keep the engine idling for 10s before shutdown, in order to the ensure the turbocharger bearing is fully lubricated during the deceleration.

Driving

"Running-in" of new vehicle

The vehicle does not need intentional "running-in". In order to improve the long-term operating performance of the vehicle, we strongly recommend that you abide by the following points:

Within the first 3,000km:

- Avoid driving fast and frequent shifting.
- Do not depress the accelerator pedal all the way down at any gear.
- Do not keep the engine run slowly with difficulty at any gear.
- Please try to avoid using the emergency brake excessively.

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

During driving, do not place any portable container filled with fuel in the vehicle. Otherwise a fire may occur due to leakage.

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 driving 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 55cm.
- The driving speed shall not be greater than 10km/h.
- The wave caused by front vehicle and head-on vehicle may exceed the maximum allowed wading depth.
- To avoid vehicle damage, please drive away from the road with puddles as quickly as possible.

Caution
If the engine is shut down in the water by accident, do not restart the engine by yourself, 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, drivetrain, transmission and electronic system of the vehicle may be severely damaged after the vehicle drives on a road with puddles. Salt water is corrosive. The on-board components soaked by salt water must be washed with clean water.

Catalytic Converter

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

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

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

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

Caution
In order to protect the catalytic converter from being damaged, the following precautions must be observed: • Use the fuel suitable for your vehicle. The Company assumes no responsibility for the mistake of filling a wrong type of fuel. If you fill a wrong type of fuel carelessly, contact Service Dealer for service immediately. Do not start the engine. • If the vehicle is difficult to start or driving performance degrades during driving, please drive the vehicle to a nearby 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 diesel engine vehicles equipped with DPF

DPF (Diesel Particulate Filter) is mainly used to collect particulates in vehicle exhaust, and within a certain period, active and triggered regeneration will be performed for the DPF to clear up particulates collected in it, so that its functions are restored. The active regeneration refers to the engine's automatic start of self-recovery of DPF function of collecting particulates in vehicle exhaust according to the actual working condition. The triggered regeneration refers to the regeneration under human intervention on the fact that the present working condition of the engine cannot meet the conditions for active regeneration.

Alarms and warnings on the instrument (for vehicles equipped with this feature)

Level 1 Alarm: The instrument information centre displays  icon for 3 seconds and the buzzer beeps three times.

Level 2 Alarm: The instrument information center displays  icon for 3 seconds and the buzzer beeps three times. Moreover, the two types of warnings cycle every 2 minutes.

Perform DPF regeneration as per the alarms and warnings on the instrument after noticing the warning signals. If Level 1 Alarm occurs, DPF regeneration can be performed through high-load drives or a triggered regeneration. If Level 2 Alarm occurs, only triggered regeneration is applicable. Ignoring of the warnings will lead to continuously increased particulates in the DPF, resulting in its failure to regenerate. Please go to the Service Dealer for servicing.

Procedures of triggered regeneration (for vehicles equipped with this feature)

1 When the engine coolant temperature exceeds the first scale line, stop the vehicle, put the shift lever in N gear (Manual Transmission), or P gear (Automatic Transmission), apply the parking brake and turn the ignition key to OFF position for 2 minutes.

2 Turn the ignition key to ON position but do not start the engine.

3 Fully depress the brake pedal and release the parking brake.

4 Turn off the ignition switch and turn it on again for three times, and finally maintain the ignition switch in ON position.

5 For MT models: fully depress the brake pedal and the clutch pedal with feet, start the engine and then release both pedals, thus the regeneration starts. For AT models: fully depress the brake pedal, start the engine and then release the brake pedal, the regeneration starts.

Caution
Be sure to park the vehicle in an open and well-ventilated place and that no combustible materials such as withered grass and oils around, as the temperature of DPF regeneration process is very high. When the engine speed rises to 2,000 rpm, it indicates that the regeneration is successful. If the engine speed does not rise, it indicates that the regeneration fails; please turn off the ignition switch, and repeat the above procedures after 2 minutes. After the regeneration starts, unless you must drive the vehicle, keep it in N gear and a stopped state. No operations, for example, depressing the brake pedal, the clutch pedal or the accelerator pedal are allowed. In case of unsuccessful regeneration for multiple times, please go to the Service Dealer for servicing.

- Conditions for triggered regeneration
  - DPF overloaded, with the particulate value exceeding the set value (Level 1 Alarm and Level 2 Alarm occur on the instrument).
  - The water temperature is over 40 degrees (Celsius).
  - No DPF related function error.
  - The vehicle speed is 0; the vehicle is in N gear (MT), or P gear (AT).
- Possible causes of regeneration failure
  - The clutch pedal is depressed.
  - The vehicle is not in N gear (MT), or P gear (AT).
  - The vehicle is not in a stopped state, i.e., the vehicle speed is not 0.
  - The accelerator pedal is depressed.
  - The brake pedal is depressed.
  - The engine state does not meet the requirements (low water temperature, high exhaust temperature).
  - DPF related failure exists in the engine.
  - Fail to follow correct regeneration procedures.

Regeneration procedures through high-load drive

1 Cycle high-load drives, for example driving at a high speed of no less than 80 km/h.

2 Keep driving the vehicle for about 30 minutes.

Special Driving Conditions

In the following cases, the triggered regeneration is almost unavailable and the efficiency of active regeneration is generally low or even absent, requiring the driver to pay attention to and avoid as much as possible.

- Repeatedly start and stop vehicle.
- Keep the vehicle at a low speed or under low load for a long time.
- While parked, the engine idles for a long time.

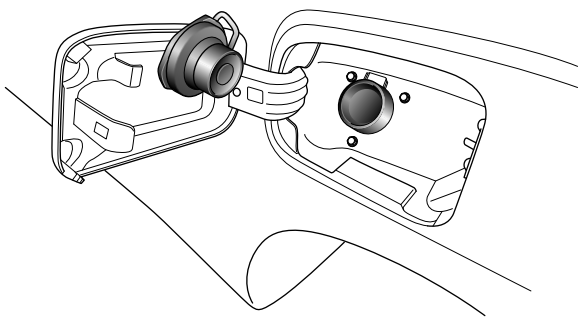
Caution
If the engine idles for a long time, carbon deposit in DPF increases. When the engine speed is 1,000 rpm in N position, it indicates that the active regeneration is activated. Please drive the vehicle properly and avoid keeping the vehicle idling for a long time. If the vehicle needs to be in the long-term idling state, when the active regeneration is activated (at this time the engine speed is 1,000 rpm in N position), the driver can depress the accelerator pedal actively to increase the engine speed to 2,000 ~ 2,500 rpm to assist the regeneration.

Fuel

Fuel Filler Cap

Before opening the fuel filler cap, please turn on the fuel filler flap opening switch on the driver's door first, and then open the fuel filler flap from the vehicle interior.

Rotate the fuel filler cap counterclockwise to remove it, and secure it on the bracket of the filler flap, then refuel. After refueling, 3 clicks need to be heard when tightening the fuel filler cap clockwise, which indicates that the fuel filler cap has been tightened in place, then close the fuel filler flap.



Refueling

It is prohibited to mix fuel with engine oil, kerosene, paraffin, water or other liquids for use, which may damage the fuel system.

Do not fill so much fuel that the fuel can be seen in the filling port or overflows, leading to a fuel contact risk for you and other persons.

Select the fuel to be added according to the label on the fuel filler port of vehicle's tank. Please refer to "Main Engine Parameters" in the General Technical Parameters section.

Caution
• It is recommended to use high-quality fuel free of additive or other engine cleaner. • If you fill a wrong type of fuel by accident, contact Service Dealer for service immediately. Do not start the engine at this time. If the engine is started with a wrong type of fuel filled, the fuel system components will be damaged severely. This kind of damage is not covered by warranty.

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

Save Fuel

Fuel consumption is mainly influenced by three factors:

- Vehicle maintenance mode

  – Please go to Service Dealer for regular maintenance of the vehicle in accordance with the provisions in the "Warranty and Maintenance Manual".

  – 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 handle 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.

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 which can maintain the fuel temperature 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.

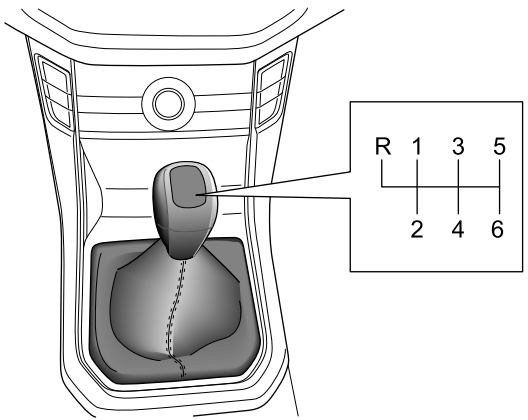
Manual Transmission

Gear Shift

During the gear shift, depress the clutch pedal completely, and then move the shift lever. After the gear shift, 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 side 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.

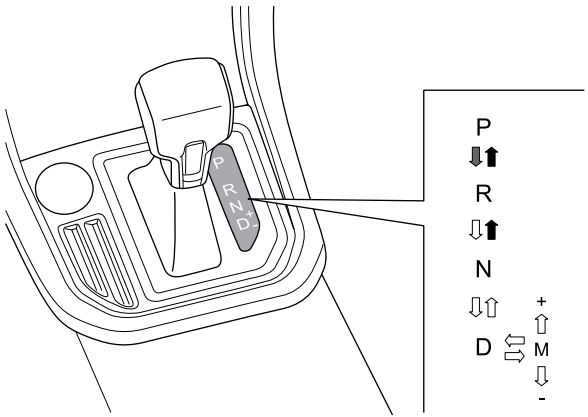
*R gear(DYMOS 6th speed manual transmission):*Place the shift lever in N position. Completely push the shift lever to the left side by the force greater than the spring stress, and then push it to the top.

*R gear(SAGW 6th speed manual transmission):*Place the shift lever in N position. Completely push the shift lever to the left side by press the button on front of the transmission shift lever handle, and then push it to the top.

Caution
Before shifting into/out of R gear, the vehicle must come to a full stop. Depress the clutch pedal, and shift to R gear after a while. 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.

Automatic Transmission

Operation



⇨When the vehicle is started or the ignition switch is in "ON" position, depress the brake pedal and hold on, then 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.

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

To realize smooth driving, depress the brake pedal when shifting from N (neutral gear) to Drive or Reverse gear.

Check for the condition of pedestrians near the vehicle, especially children, before shifting to D (drive) gear 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 rotating at a speed higher than idle speed, do not shift from N (neutral) gear or P (park) gear to D (drive) or R (reverse) gear.

Gears

P (Park)

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.

Fully stop the vehicle before shifting to P (park) position. The transmission output gear is locked in this position to prevent driving wheel from moving.

R (Reverse)

Fully stop the vehicle before shifting to/out of R (reverse) gear; shifting to R gear during vehicle running will cause transmission damage.

R gear is used for reversing a vehicle.

N (Neutral)

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)

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, fully depress the accelerator pedal, 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.

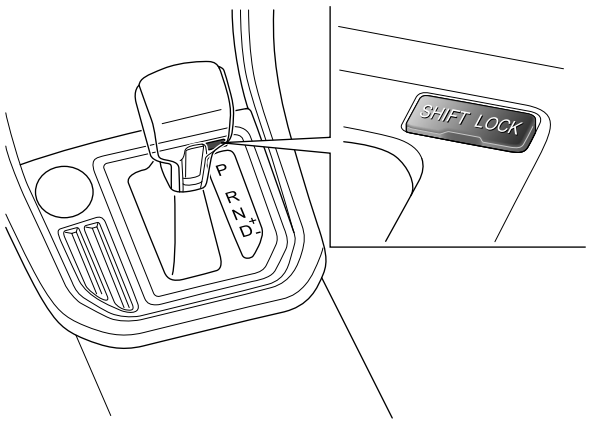
(+): Push up the shift lever once to a higher gear.

(-): 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 LOCK cap on the shift lever panel as shown in the figure, plug into the mechanical key portion and press (without releasing) "P gear unlock button" under the cap, while holding the shift lever and pressing the lock button on the lever to pull back the lever from P gear to N gear. Then recover all removed parts, and engage P gear after parking.

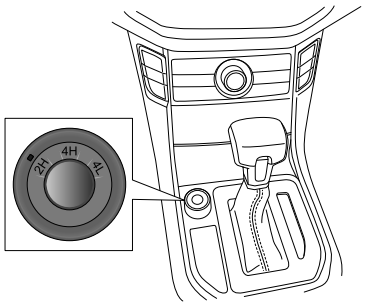


Power Steering Device

The vehicle is equipped with power steering device, 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.

Four-Wheel Drive (4WD)

4WD switch, located in front of the central armrest, is used to choose 2H, 4H or 4L drive mode.



Instructions before Using 4WD

- When 4H/4L Mode is selected under dry and good road conditions, tire wear will be accelerated, vehicle noise will be increased, spare parts of the drive system are more likely to be damaged, and driving risks exist at the same time, therefore, 2H Mode instead of 4H/4L Mode is allowed to use under such road conditions.
- Large-angle turning is prohibited under 4H/4L mode, otherwise it will easily damage the components of power train system and cause abnormal wear of tire, even rollover accident in serious cases.
- It is prohibited to choose 4H/4L mode on the road with high adhesion (urban road, expressway, etc.). The speed must be controlled below 80 km/h under 4H mode and 30 km/h under 4L mode. And the system will send audible alarm when the speed more than 80 km/h.
- If 4H or 4L indicator lamp is not on or off when the user operates 4WD switch, or "4WD MIL (red)" CHECK 4WD illuminates, please drive immediately to Service Dealer for vehicle inspection.

Instructions for Switching between 2WD and 4WD

4WD switch			
4WD mode indicator lamp	2H⌶	4H⌶	4L⌶
Drive mode	2H	4H(4WD high speed)	4L(4WD low speed)
Driving Conditions	Use common drive mode on the road with high adhesion, such as expressway, urban road and other road in good condition.	For road with low adhesion, such as snowy road, grassland, muddy road, sandy road and other road in poor condition.	For the rough driving conditions with low speed and large torque, such as driving through the puddle, hill and shell-hole, etc.

Caution
When shifting to/out of 4L mode, stop the vehicle. For MT models, fully depress the clutch pedal; for AT models, push the shift lever to N position. It takes about 5 seconds to switch 4L mode. Wait patiently until it switches to the target gear. If 4WD mode indicator lamp keeps on the instrument cluster, it indicates 4WD mode is successfully switched. Then release the clutch pedal or push the shift lever out of N position. Starting off by fully stepping on the accelerator pedal is prohibited during switching, or the transfer case is easy to be damaged.

Switching between 2H and 4H

Do not shift the 4WD switch from 2H to 4H when wheels are steering/spinning. Shift it only after the wheels stop steering or spinning.

- Keep driving at a speed lower than 80 km/h and shift the 4WD switch from 2H to 4H. If 4WD switch is shifted at a speed higher than 80 km/h, "4H indicator lamp" will flash and send audible alarm.
- When switching from 2H to 4H, "4H indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- When switching from 4H to 2H, "2H indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- If 4WD mode indicator lamp fails to be on or off, drive the vehicle forward slowly.

Switching between 4H and 4L

Stop your vehicle.

For MT models, fully depress the clutch pedal when switching between 4H and 4L; for AT models, push the shift lever to N position when switching between 4H and 4L.

Switching can be made after above-mentioned conditions are met. Otherwise 4WD mode indicator lamp will flash to warn the driver of switch failure.

- When switching from 4H to 4L, "4L indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- When switching from 4L to 4H, "4H indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- If 4WD mode indicator lamp fails to be on or off, drive the vehicle forward slowly.

Switching between 2H and 4L

Stop your vehicle.

For MT models, fully depress the clutch pedal when switching between 2H and 4L; for AT models, push the shift lever to N position when switching between 2H and 4L.

Switching can be made after above-mentioned conditions are met. Otherwise 4WD mode indicator lamp will flash to warn the driver of switch failure.

- When switching from 2H to 4L, "4L indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- When switching from 4L to 2H, "2H indicator lamp" will keep flashing during gear shift, and be normally on after the operation is done.
- If 4WD mode indicator lamp fails to be on or off, drive the vehicle forward slowly.

Brake system

Service brake

Duel-pipeline hydraulic brake system

During driving, if one hydraulic pipeline fails, the "Brake System Warning Lamp (red)"  on the instrument cluster will illuminate, the failure may lead to the increase of brake pedal stroke and applied force, a longer braking distance, and even the vehicle pulling to one side. Do not try to restore the brake pedal pressure by the way of alternate press and release. If one brake pipeline has pressure failure, you must find out the cause. Please stop the vehicle immediately with care. Contact Service Dealer for service immediately. Do not continue to drive.

If one hydraulic pipeline fails, the other hydraulic pipeline will continue working.

General status

Ensure carpet or other objects will not hinder the operation of brake pedal.

Do not take the brake pedal as the foot rest, since it may lead to brake overheat, efficiency degradation and excessive wear. Excessive worn brake pad / brake shoe will emit harsh noise or whistle, brake efficiency may be affected when the brake is applied. Please contact 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 this case, the brake distance may be longer.

If the vehicle is not frequently in use or parked in the garage for an extended period of time, the efficiency of brake system will also be reduced. Please contact Service Dealer for service as soon as possible.

Wet conditions

When driving in a heavy rainy day or on a muddy road, the efficiency of vehicle brake system will decline significantly. At this time, while ensuring a safe distance with other vehicles, slightly depress the brake pedal intermittently to keep the brake friction components dry. In a extremely wet weather, it may be required to repeat above operation every few kilometers.

In winter, there may be frozen ice or accumulated salt content on brake pads and brake discs. Slightly depressing the brake pedal intermittently may remove the ice and accumulated salt content.

Driving down a steep slope

Overheated brake may reduce its brake efficiency, and lead the vehicle pulling 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)

ABS is used to prevent wheels from locking in an emergency brake, thus to help you maintain the control on direction No special driving skills are required.

In normal brake (the road surface has enough friction to prevent wheels from locking), ABS will not be activated.

As an important part of brake system, electronic brake-force distribution system (EBD) is used to optimize the rear wheel brake force in full load.

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 function

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.

When the vehicle runs at a high speed or wheels spin on slippery wet road (if there are water on the road surface, tires will fail to fully contact with road), ABS can not provide a shorter brake distance due to some physical limits.

ABS can better protect yourself and other road users from unnecessary risks. But you are still obliged to observe general safety rules and consider road, weather and traffic conditions as appropriate.

If the brake force applied exceeds the adhesion between tires and ground, which is enough to lock one or more wheels, ABS will automatically come into operation. You will hear a rapid vibration sound, and feel a slight vibration 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 and will continuously monitor the speed of each wheel, and change its brake pressure according to the friction available.

This can prevent the wheels from being locked to ensure the control on direction.

Precautions for driving a vehicle with ABS

- In case of emergency braking, depress the clutch pedal, meanwhile fully depress the brake pedal.
- In case of normal braking, apply force steadily on the brake pedal, and do not adopt the rapid depressing and releasing alternatively.
- Please keep in mind that steering control is still available when braking.
- Some risks can not be eliminated with ABS, such as too close with the front vehicle in driving, driving on a slippery road, and excessive pursuit of speed in driving.
- ABS can not guarantee a shorter brake distance.
- Please take it easy if a slight brake pedal vibration is heard or felt. This is a normal phenomenon when the ABS is in operation.

ESP (Electronic Stability Program)

ESP function

ESP covers the functions of ABS, EBD, TCS, VDC, EBA, RMI, HAS and HDC.

When ESP is started, ESP indicator will blink in the instrument panel. You may hear some noise or feel the vibration of brake pedal, it is a normal phenomenon.

When the ignition switch is placed in "ON" position, ESP indicator (yellow) will illuminate, and go off after 3 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 operation vibration of brake pedal, it is a normal phenomenon. In case of ESP failure, ESP indicator will stay on. Please take the vehicle to 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.

HDC (Hill Descent Control)

When driving on a long downhill road with a relatively great gradient (4º ~ 26º), if the vehicle speed is between 8 and 35km/h, there is no need for the driver to depress the brake pedal and accelerator pedal, and the vehicle will run at a low speed automatically, so as to ensure the vehicle goes downhill steadily. In this case, the driver can also adjust the vehicle speed automatically controlled by the system through the brake pedal and accelerator pedal.

When the vehicle speed is lower than 8km/h or between 35 and 60km/h, HDC is not functioning but in standby state.

When the vehicle speed is greater than 60km/h, HDC function will exit automatically. To restart the system, press HDC switch again.

When the ignition switch is placed in "ON" position, HDC is in off state by default, and other functions of ESP are all in standby state. When the HDC switch is turned on, "HDC indicator (yellow)"  in the instrument cluster illuminates, and HDC function is in monitoring state. If HDC operates, "HDC indicator (yellow)" will blink; if the indicator goes off, it indicates

a HDC failure. Please take the vehicle to Service Dealer for ESP inspection. When the HDC switch is turned off, "HDC indicator (yellow)" in the instrument cluster will go off, and HDC function is disabled.

Description of ESP shutdown when the Four-Wheel Drive (4WD) System is in 4L Mode

To ensure smooth driving on rough and wet road, after the Four-Wheel Drive (4WD) System is verified to be in 4L Mode, ESP system will shut down automatically, at this moment, “ESP OFF Indicator (yellow)” is constantly in ON state and ESP OFF switch is disabled. When the Four-Wheel Drive (4WD) System is verified to be in 4H or 2H Mode, ESP system will restore to turn on automatically, at this moment, "ESP OFF Indicator (yellow)" will go out. For detailed information on 4L Mode of the Four-Wheel Drive (4WD) system, refer to "Four-Wheel Drive (4WD)".

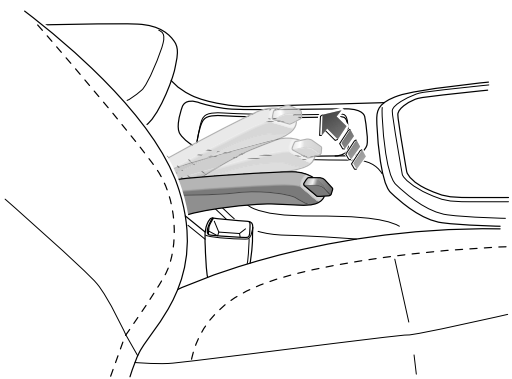
Precautions for driving a vehicle with ESP

ESP can detect and analyze vehicle conditions and correct driving mistakes, to ensure safety by taking precautions measures. As everything has a upper limit, if a driver drives too fast exceeding the limit, all existing safety devices will be paralyzed.

Parking brake

Pull up parking brake handle.

- Depress the brake pedal all the way down to make a full stop.
- Pull up the parking brake handle with effort.
- 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 automatic transmission, move the shift lever in P gear when parking.
- 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.



When the ignition switch is placed in "ON" position, pull up the parking brake handle, and "Brake System Warning Lamp (red)"  in the instrument cluster will illuminate.

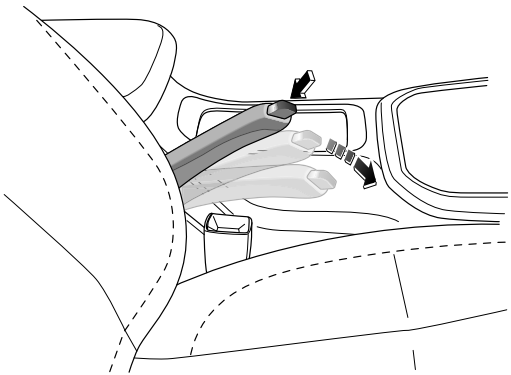
Ramp parking

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 vehicle may slip backwards, and the vehicle can not make a hill start. Before driving, ensure the parking brake handle has been fully released, and "Brake System Warning Lamp (red)" in the instrument cluster has gone off, 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 lamp

Warning lamps related to brake system include "Brake System Warning Lamp (red)", "ABS Warning Lamp (yellow)", "EBD Warning Lamp (red)", "ESP Indicator (yellow)", "ESP OFF Indicator (yellow)" and "HDC Indicator (yellow)", please refer to "Warning Lamps and Indicators" in the Before Driving chapter.

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.

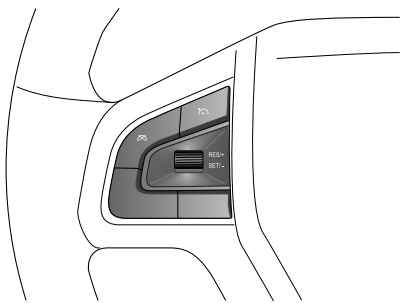
Your vehicle may be equipped with the cruise control system. With the cruise control, you can maintain the vehicle speed at 40km/h or above without keeping depressing the accelerator pedal. The cruise control system does not work when the vehicle speed is less than 40 km/h.

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.

Set 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 buttons are located on the steering wheel.



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

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

RES/+: Cruise resume/acceleration switch. To store the set speed, move the thumbwheel upwards to recover this speed. Move the thumbwheel again to accelerate (1km/h per time). The instrument cluster will display the corresponding target speed.

SET/-: Cruise setting/deceleration switch. Move the thumbwheel downwards to set the speed. Then the cruise function will be enabled and the cruise indicator lamp in the instrument cluster will turn green from white. If the cruise function is enabled at this time, move the thumbwheel downwards to lower the cruise speed (1km/h per time). The instrument cluster will display the corresponding target speed.

Set 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 speed required.

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

3 Move the thumbwheel towards SET/- direction downwards 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 run at the speed set steadily. The cruise control function will be disabled when the brake is enabled.

Resume 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, move RES/+ thumbwheel upwards when the vehicle speed reaches 40km/h or above, and then the vehicle speed will recover to the pre-set value.

Accelerate with the Cruise Control System Enabled

There are two method to accelerate:

- Accelerate by depressing the accelerator pedal.
- If the cruise control system has been enabled, keep moving the thumbwheel towards RES/+ direction upwards until the vehicle speed reaches the value required, and then release the thumbwheel. To accelerate by minor increment, move the thumbwheel towards RES/+ direction upwards momently, and then release it. Every time you move the thumbwheel upwards, the vehicle will speed up by about 1km/h, meanwhile the instrument cluster will display the incremental target speed.

Decelerate with the Cruise Control System Enabled

If the cruise control system has been enabled:

- Keep moving the thumbwheel towards SET/- direction downwards until the vehicle speed reaches the value required, and then release the thumbwheel.
- To decelerate by minor increment, move the thumbwheel towards SET/- direction downwards momently, and then release it. Every time you move the thumbwheel downwards, the vehicle will slow down by about 1km/h, meanwhile the instrument cluster will display the decremental target speed.

Overtaking with the Cruise Control System Enabled

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

Use the Cruise Control System on a Ramp

The performance of cruise control system on a ramp depends on vehicle speed, load and gradient of the ramp. 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.

Terminate the Cruise Control

There are three ways to disable the cruise control:

- Slightly depress the brake pedal once; the "cruise indicator lamp" in the instrument cluster will change from green to white when the cruise control is disabled.
- Press .
- Press to turn off the cruise control system completely. The cruise control speed will not be resumed.

Clear 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.

Reverse Radar Sensors

The parking assist system is not always reliable. It only plays the guiding role! Reverse radar sensors may be unable to detect certain types of barriers, such as fine objects like wire entanglement or rope, small objects close to the ground, tapered objects and some objects with unreflecting surfaces.

Reverse radar sensors shall be free of dirts, ice and snow. Deposits on the surface of a reverse radar sensor will hinder the sensor's normal operation. Avoid spraying reverse radar sensors directly with high-pressure washer at a close range when washing the vehicle.

Two reverse radar sensors in the rear bumper scan the area behind the vehicle and judge whether there is any barrier. If detecting any barrier, the sensor will compute the distance between the barrier and vehicle rear end and remind the driver of the barrier through alarm sound signals. It is important to know that this system is a parking assist system only and cannot be regarded as a replacement for observation and personal judgment.

Operating state of reverse radar parking assist system:

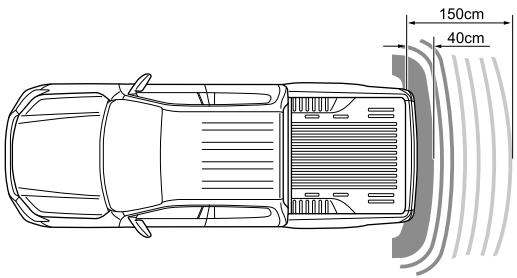
After the gear is shifted to "R", the parking assist system will beep transiently to prompt the driver that the system automatically starts operating. When you place the shift lever in other positions, the parking assist system will stop operating.

Note: If the system keeps ringing for a long time after the gear is shifted to "R", it indicates that the system has a malfunction. Contact Service Dealer for service as soon as possible.

During reversing:

The alarm device will start making alarm sounds when the distance between the vehicle and a barrier behind it is about 1.5m. The shorter the distance between the vehicle and barrier is, the more hurried the alarm sounds are.

When the distance between the vehicle and the barrier behind it is less than 0.4m, the alarm device will make continuous alarm sounds. At this time, if you continue reversing, the barrier cannot be identified effectively.



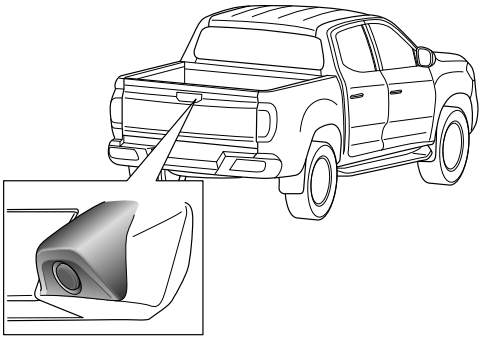
Reverse Cameras

The reverse camera parking assist system is not always reliable. It only plays the guiding role! Reverse cameras have limited view ranges and cannot detect barriers outside the view ranges.

Operating state of reverse camera parking assist system:

After shifting the gear to R, the image of entertainment system display screen will be switched to the reverse camera operating state, and the entertainment system display will show the scene image behind the vehicle for the driver's reference during reversing.

When you place the shift lever in other positions, the reverse camera parking assist system will stop operating, and the entertainment system display screen will recover to the pre-reversing state.

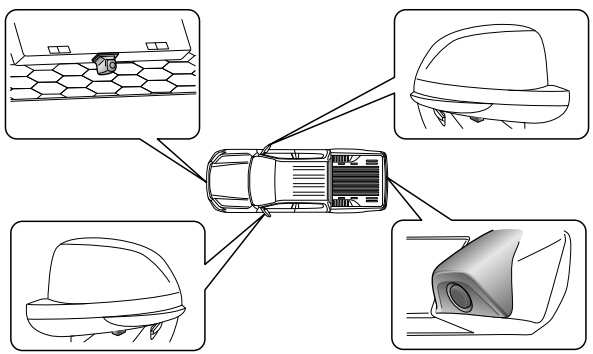


Note: When the vehicle enters the reversing state, cameras will output static reversing tracks which are displayed on the entertainment system display screen, take the horizontal plane as reference , and identify the area behind the vehicle in segments divided by red, yellow and green lines.

360° Around-view System

The parking assist system is not always reliable. It only plays the guiding role! Reverse cameras have limited view ranges and cannot detect barriers outside the view ranges.

The 360° around-view system includes 4 cameras, which are respectively installed in the front, rear, left and right of vehicle body.



Operating state of 360° around-view system:

After shifting the gear to R, the entertainment system display screen will automatically switch to the 360° around-view interface, and then you can judge the relative position between the vehicle and barrier according to the image. Please refer to the Operating Instructions of the entertainment system mainframe.

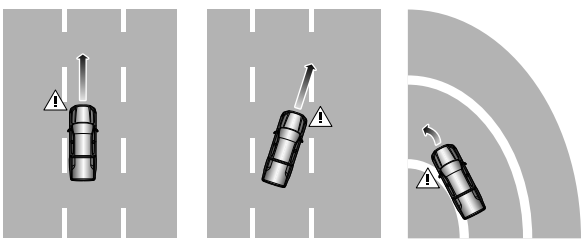
When the vehicle speed is less than 15km/h, press the 360° around-view switch on the instrument desk to turn on the 360° around-view system. Then the entertainment system display screen will switch to the 360° around-view interface of left turn, right turn or normal driving according to the current vehicle operation.

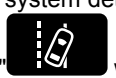
Note: Select the area to be viewed by touching the front, rear, left or right button on the entertainment system display screen.

Lane Departure Warning System

The lane departure warning system is a driver assistance system only. Each driver shall always drive with care. Driver shall pay attention to observing other road signs and lane markings.

When the driver has no intention of departing from the original lane (does not turn on the turning signal lamp), the lane departure warning system (LDWS) will give an audible and visible alarm before the departure to alert the driver to correct the direction. It prevents entrance into other lanes, thus dramatically reducing collisions due to departure.



If the LDWS is enabled, when the vehicle runs at a speed of 72km/h or above and the system detects the left/right lane line, the "LDWS warning lamp"  will illuminate in green.

At this time, if the vehicle departs from the original lane without the turning signal lamp on(lateral velocity of the vehicle is

between 0.1 ~ 0.6m/s, and the lateral position of the vehicle is between 0.75m ~ -0.3m from the lane line edge, Vehicles in-lane are given positive values), this warning lamp will flash in yellow with buzzer alarm.

Note: This function can be disabled manually by pressing the LDWS switch on the central control switch block.

Not in Standby:

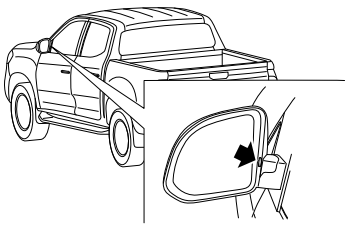
If LDWS is turned off, the "LDWS warning lamp"  will illuminate in yellow.

If LDWS is not powered on or connected to network, the "LDWS warning lamp"  will flash in yellow.

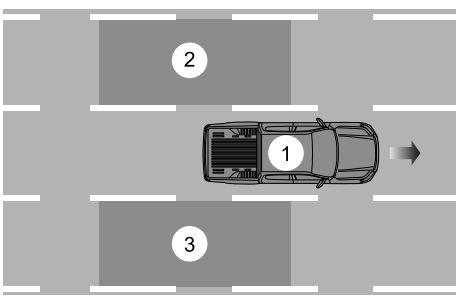
Blind Spot Monitoring System

The blind spot monitoring system is not always reliable. It is not the alternative but the supplementary to safe driving mode and exterior mirrors.

The blind spot monitoring system warning lamps are located on both exterior mirrors.



Monitored areas:



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 prompt the main vehicle and the warning lamp on the corresponding side will be normally on.

When there is a target vehicle overtaking the main vehicle at high speed in the left adjacent area ② or right adjacent area ③, the system will prompt the main vehicle and the warning lamp on the corresponding side will be normally 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 lamp on the corresponding side will flash.

Note: The blind spot monitoring function will be enabled when the vehicle speed is more than 30km/h and less than 120km/h.

Tire

It is very dangerous to use nonconforming or damaged tires!

Do not drive the vehicle if you find a tire or tires are excessively worn, damaged or have incorrect inflating pressure.

Vehicle overload is forbidden.

Incorrect tire inflating pressure or imbalance between wheel and tire assembly may affect the vehicle stability severely, especially during driving under high load or at high speed. Under-inflation will increase rolling resistance, increase fuel consumption and accelerate tire wear, resulting in tire damage, even an accident.

Be sure to consider the situation of tires during driving. The common causes for tire faults include:

- Colliding with curb.
- Driving by a deep pit.
- Tire under-inflation or pressure overload during driving.

Wheel alignment error may lead to uneven tread wear.

Winter Tires

The vehicle speed shall not exceed the maximum speed allowed by the winter tires installed. It's very likely to cause accidents due to sudden loss of pressure, thread separations or even tire blowouts when the vehicle speed exceeds the maximum allowable speed.

Always adjust the speed according to the current weather, road and traffic conditions, and never take risks with the anti-slip property of the winter tires, for fear of causing accidents!

Winter tires can improve the handling stability and the braking performance of the vehicle during its driving in low-temperature environment or on an icy road. It is recommended to change the tires to winter types when the temperature drops under 7℃.

Winter tires can significantly improve the handling stability and the braking performance of the vehicle during its driving in wintertime road conditions while the performance of anti-slip property of non-winter tires is relatively poor in low-temperature environment or on icy roads due to their structure, i.e. tire width, rubber composition, tread pattern types.

Winter tires of the same size and load index with the original ones are recommended. Install winter tires for all four wheels.

The anti-slip property of the winter tire tread will be significantly weakened when tread depth reaches 4 mm.

The maximum vehicle speed allowed by the winter tire is subject to the tire speed code.

Speed Code	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 over 7℃, it is recommended to replace the non-winter tires.

Tire chain

It is recommended to mount S-shape tire chains to driving wheels when the vehicle is about to run in snow.

Tire chains can improve the driving traction on road in winter. If you plan to mount tire chains, pay attention to the following points:

1 Not all combinations between wheels and tires are suitable for tire chain mounting. Make ensure select approved tire dimensions when mounting tire chains.

2 Mount the tire chains to the driving wheels. Please comply with the mounting instructions provided by the tire chain manufacturer.

Drive at the maximum speed allowed by the tire chains used only when the vehicle runs in snow. Please comply with the regulatory requirements of the resident country. Remove tire chains immediately after the vehicle runs back to the road free of snow.

Loading

Each driver is obliged to ensure his vehicle is free of overload.

Note: The maximum allowed total mass is indicated on the vehicle identification plate which is located in the lower front of B-pillar. This manual introduces correct complete vehicle mass parameters. Please refer to "Complete Vehicle Mass Parameters" in General Technical Parameters section.

Carry Goods

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.

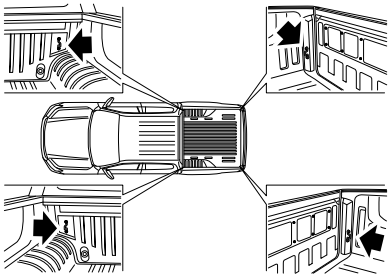
Caution
During the driving of the vehicle, the tailgate of the container shall not be opened. When the vehicle is stopped, the total weight of people and goods shall be controlled below 200kg when using the tailgate of the container to get on and off and load and unload goods.

Fix Goods

⚠ Fix all goods in the vehicle to prevent them from moving and accordingly causing personal injuries.

Note: The driver is obliged to ensure all goods have been fixed correctly.

The maximum tension, stretching in the vertical direction or at a 45 degree angle, of the rope hook (binding ring) of the container is 1,500 N.



Carry Dangerous Goods

In accordance with legal provisions, a vehicle carrying certain kind of dangerous good shall be marked with a specific warning sign outside.

Roof racks and load carriers

Items on the roof rack must be secured firmly in place. Otherwise, there is danger of an accident. You may not, in any circumstances, exceed the vehicle's maxi mum Load for the roof, the maximum load for the axles, or the maximum total load.

Otherwise, there is danger of an accident. A loaded roof rack can reduce the stability of the vehicle, particularly when cornering and during cross winds. When rather heavy or large objects are loaded on the roof rack, changes in the vehicle's center of mass and wind resistance may affect its handling, and there is danger of an accident. Because of this, you should adjust your driving style and speed according to the specifics of the current situation. Driving off road with a loaded roof rack is not recommended.

The handling of the vehicle may be affected by Loaded objects.

Fit only a roof rack system that is designed for use with your vehicle. For further information, please consult our Service Dealer.

The maximum load for our company approved roof rack system is 50 kg while driving. The weight of the approved roof rack system is not calculated as part of the load.

If an alternative roof rack system is used, the weight of that system must be included as part of the load weight.

Loads must be evenly distributed without overhanging the rack. After travelling 50 km check the security of the roof rack and any load.

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

- Comply with the state specific trailer towing regulations.
- Do not exceed 100 km/h.
- Only applies to center axle trailer. And do not exceed the load specified in “Recommended Towing Weight” when towing a trailer.
- When a new vehicle has been driven or a vehicle has had powertrain parts (Engine, transmission, transfer case, 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.
- 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.

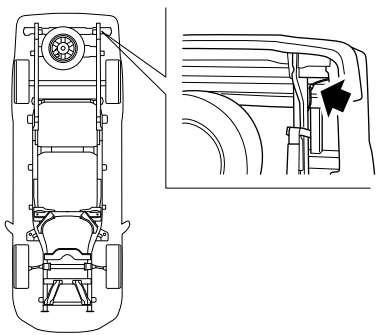
  As driving conditions change and engine coolant temperature is reduced, vehicle speed can be increased using accelerator pedal, and the air conditioning cooling function will automatically be turned back on.

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.

Trailer Control Module

The trailer control module provides actuation functions for the width lamp, brake lamp, reverse lamp, turn signal lamp and rear fog lamp of the trailer. The trailer control module automatically identifies if a trailer is connected by the trailer detection.

Pull up the parking brake handle and turn off the ignition switch. Connect the trailer; refer to "Installation of Trailer Device" for details. Connect the trailer wiring harness. The harness connection points are as shown below. If the trailer wire harness is required, please contact our Service Dealers.



Turn the ignition switch to "ON" position. When the trailer is connected successfully, “Trailer Indicator Lamp (Green)” ⇦1⇨ on the instrument cluster stays on; When the turn signal lamp is turned on, “Trailer Indicator Lamp (Green)” on the instrument cluster flashes. When the trailer connection fails, “Trailer Indicator Lamp (Green)” on the instrument cluster goes off.

Caution
• The width lamp, turn signal lamp or both of them on the trailer must be halogen lamp. Otherwise, it may be misjudged that the trailer is not connected, and normal operation of reverse radar system will be affected. • When the ignition switch is turned to "ON" position, the trailer lamps may flash instantaneously. This is normal as the system is conducting self-check.

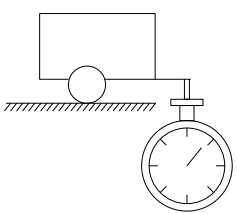
Recommended Towing Weight

Towing capacity

Variant	Drive	Transmission	Without Trailer Brake	With Trailer Brake
Diesel Engine	4x2	Manual and Auto	750 kg	3,000 kg
	4x4	Manual and Auto	750 kg	3,000 kg

Trailer Nose Weight

Caution
Never exceed the maximum allowable nose weight, for example, the vertical weight on the tow ball. This is important for the vehicle and trailer stability.

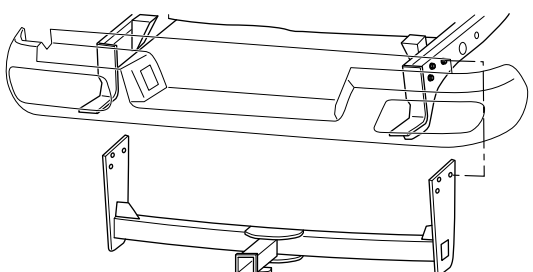


Variant	Maximum Nose Weight
All models	250 kg

Installation of Trailer Device

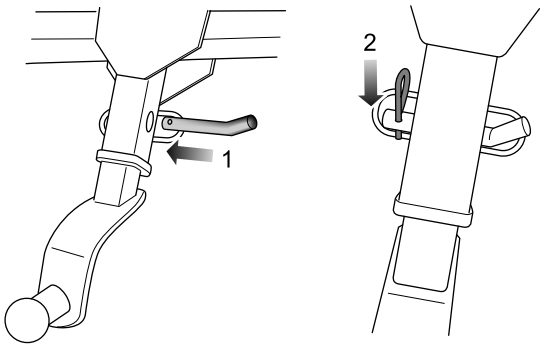
1 Install the trailer device onto the frame. The trailer device shares the same mounting points with the rear bumper bracket. It is required to remove the rear bumper assembly, and install the rear bumper assembly and trailer device together onto the frame, and then tighten the bolts to 80±5Nm. If the trailer device is required, please contact our Service Dealers.

2 Insert the tow ball arm into the tow bar. The dimensions of tow ball arm are 50mm×50mm, and the user can select the 50mm tow ball of local standard as required, which shall comply with the local certification.



3 Insert a pin (1).

4 Fix the pin with a clip (2).



Maintenance

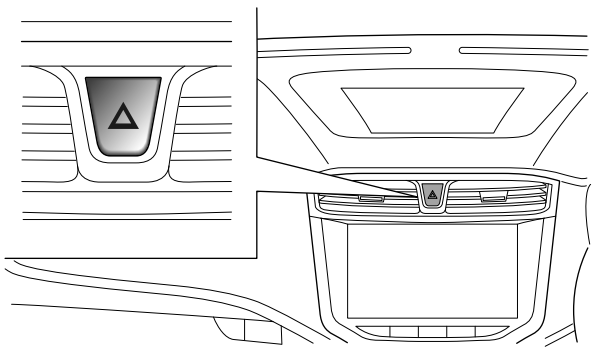
If the vehicle is often used to tow a trailer, additional maintenance shall be made in the maintenance intervals to ensure continuous satisfaction for the vehicle.

Emergency Troubleshooting

178 Hazard Warning Lamps
178 Warning triangle
179 Wheel replacement
184 Vehicle Towing
185 Fuel Filter Water Drain
187 Manual Fuel Pumping
188 Jump Start
189 Fuse Replacement
195 Bulb Replacement

Hazard Warning Lamps

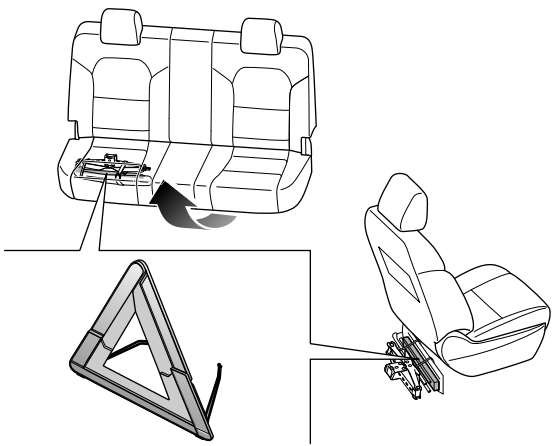
When you need to stop or slow down the vehicle in case of a vehicle failure, always press the hazard warning lamp switch⚠ on the instrument cluster. The "Direction Indicator (green)" on the instrument panel flashes, and all the turning signal lamps shall flash at the meantime to warn other road users as well as let the police know that you are in trouble.



Warning triangle

Warning triangle is placed at the lower rear side of the driver seat (single row) or under the second row of seats (double row).

If you have to stop your vehicle on the roadside in case of a vehicle failure, you must place a warning triangle approximately 100 meters behind your vehicle to warn the oncoming vehicles.

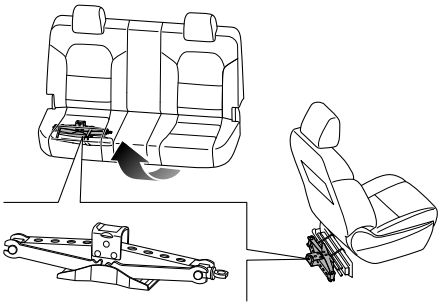


Wheel replacement

Jack

Placement

Place the jack at the rear bottom side of the driver (for single-row model) or under the second row of seats (for double-row model).



Specification

This jack is for tire replacement only. Do not use it for other purposes. This jack is for your vehicle model only and thus should not be used for other models.

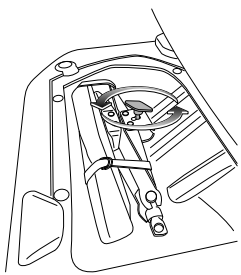
Spare wheel

Regularly check the air pressure of spare wheel. The use of a spare wheel with incorrect tire pressure will affect wheel stability, which may lead to dangerous consequences and will cause permanent damage to the tire.

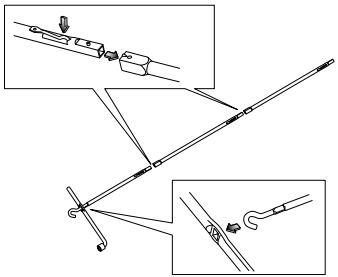
The spare wheel is mounted at the rear bottom of the body; the wheel nut wrench in the vehicle tool kit can be used to rotate the pillar bolt of drive mechanism, thus releasing or tightening the rope for the spare wheel to achieve the function of spare wheel replacement.

Spare wheel removal

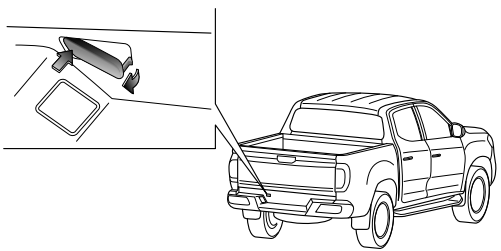
1 Rotate the securing bolt of vehicle tool to take out the tool.



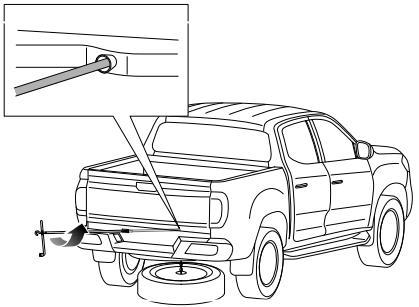
2 Mount the auxiliary rotary post and the wheel nut wrench.



3 Press the left end of the cover with hand and then open the rear bumper cover.

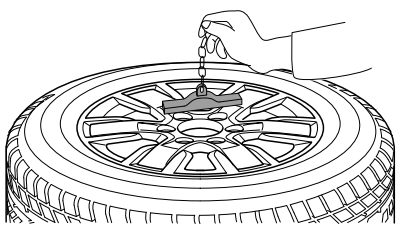


4 Insert the auxiliary rotary post into the spare wheel loading/unloading hole through the cover, and then rotate the wheel nut wrench counterclockwise to lower the spare wheel till the wheel lands on the ground.



5 After the spare wheel lands on the ground, continue to rotate the wheel nut wrench counterclockwise and, at the same time, pull out the spare wheel. Excessive rotation of the wrench is prohibited, or the spare wheel device will be damaged.

6 Remove the tray from the spare wheel.

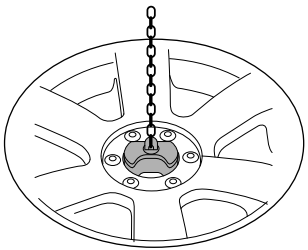


Spare wheel storage

1 Place the wheel on the ground with the air valve facing up.

2 Place the wheel at the rear bottom of the vehicle.

3 Align the spare wheel tray with the rim center and adjust the tray to a proper position to allow it to be tightly connected with the spare wheel.



4 Rotate the wheel nut wrench clockwise till the nut is tightened.

Caution
After placing the wheel on the spare wheel holder, check whether the wheel mounting is tight. If the wheel is loose, it may fall off owing to vibration and cause an accident.

5 Close the rear bumper cover.

Wheel replacement

Vehicle parking

Please choose a solid and flat place to park the vehicle, where will neither hinder the traffic, nor throw you into a traffic accident.

If your vehicle is parked on a public road, please turn on the hazard warning lamp and place a warning triangle.

Make sure that the ground where the jack is located is solid enough to support the jack and the vehicle to be lifted, or the jack may become unstable and move, thus damaging the vehicle and/or causing personal injury.

Please use appropriate wheel wedges to hold other wheels.

If your vehicle is parked on a slippery place, please do not use the jack. If the conditions are not suitable for use of the jack, or you are lack of confidence to complete the task in a safe manner, please call for help.

Make sure the front wheels point straight ahead.

When the engine is shut down, pull up the parking brake handle and move the shift lever to 1st gear or R (reversing).

Jack placement

The jack should be used on level firm ground wherever possible. It is recommended that the wheels of the vehicle be chocked.

No person should remain in a vehicle that is being jacked. WARNING: do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

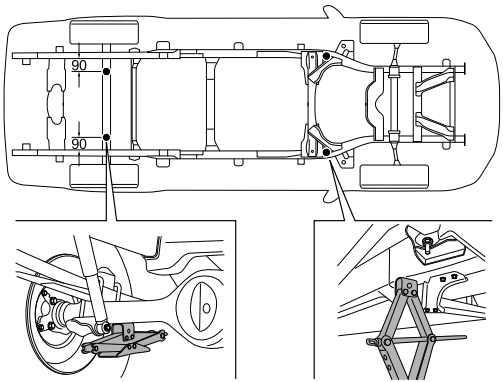
Use the jack at the specified jack point only. The height jacked up should not exceed that required by wheel replacement (for example, it should not be 30cm higher than the ground).

Before using the jack, please make sure that all occupants have left the vehicle. When the vehicle is jacked up, do not allow any person to stretch any part of his/her body under the vehicle.

During the lifting, the jack should be perpendicular to the vehicle body.

Keep the jack clean and well lubricated reapply grease every 3 months.

The jack points for front wheels are located on lower plane of the side member (between the 4th cross member and the 2nd suspension). The jack points for rear wheels are located on the rear axle housing (about 90mm from the rear leaf spring); meanwhile, concave of the jack should be aligned with camber of the rear axle housing sleeve.



Spare wheel replacement

During the lifting, do not start the engine. Do not stand under the lifted vehicle.

Before removing the wheel nut, make sure the vehicle is stable and will not slide or move.

It is required to use a torque wrench to accurately check the tightening torque of wheel nuts, and check the tire pressure as soon as possible after replacing the wheel.

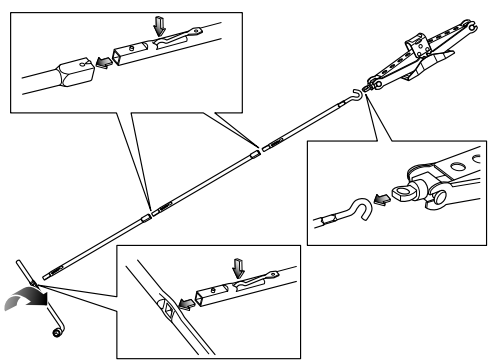
Be sure to put the replaced wheel, jack and vehicle tool kit in the specified position. If they are placed randomly or improperly, they may move in the event of impact or emergency brake, thus causing damage or personal injury.

1 Remove the spare wheel, refer to "Spare Wheel" in this section.

2 Check whether the jack is still perpendicular to the jack point; change the position as necessary.

3 Use the wheel nut wrench in the vehicle tool kit to loosen the wheel nut counterclockwise.

4 Mount the auxiliary rotary post and then rotate the wheel nut wrench clockwise till the wheel to be replaced gets off the ground.



5 Remove the securing nuts of the wheel and then carefully remove the wheel.

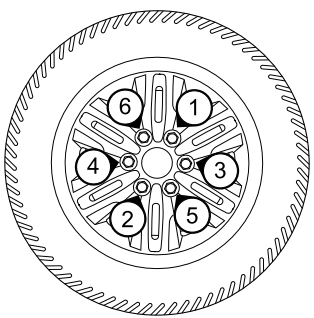
6 Replace it with the spare wheel and then tighten the wheel nuts clockwise.

7 Lower the vehicle and remove the jack.

8 Fully tighten the securing nuts of the wheel in a diagonal order (see the diagram); the wheel nut torque is 125±13Nm.

9 Put away the replaced wheel, auxiliary rotary post of the jack, wheel nut wrench, jack and vehicle tool kit.

10 Mount the replaced wheel into the position of spare wheel, refer to "Spare Wheel" in this section.



Caution
Be sure to fully lift and tighten the tray of the spare wheel device even if no spare wheel is mounted.

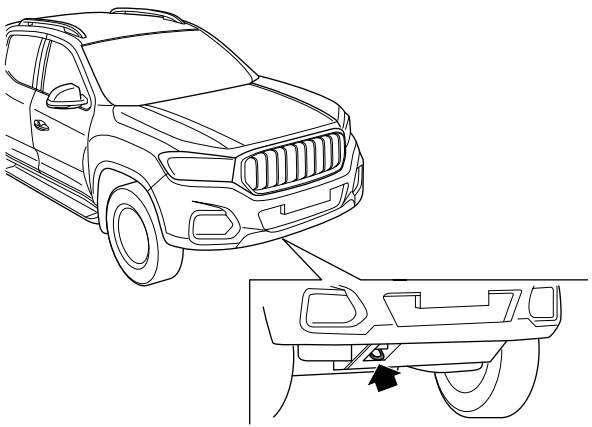
Vehicle Towing

When towing a vehicle or making a vehicle be towed, be sure to observe relevant national regulations on vehicle towing.

Towing Eye

Front Towing Eye

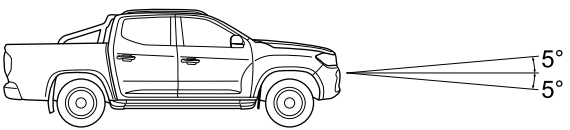
The front towing eye is located at the lower side of front bumper.

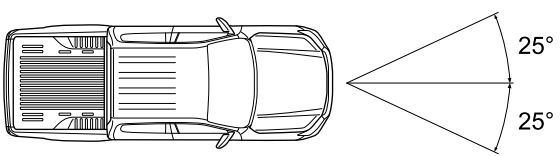


Note: For vehicles equipped with towing eye plug, when towing a vehicle, be sure to remove the towing eye plug. Press inwards the upper end of the plug first, and then rotate to pull it out. After removal, please keep the removed towing eye plug in the vehicle in case of loss, and re-install it after towing a vehicle.

Caution
The mass that the front towing eye can bear is 1/2GVW (total mass). Do not tow the vehicle with a mass more than this value.

The application range of towing rope is as shown below:





Towing

Before Being 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 steering indicator and brake lamp can operate.

While Being Towed

When the vehicle is being towed, release the parking brake and engage N gear.

When the engine is not operating, it is not assisted by brake booster and power steering. In this case, it needs to operate the brake pedal with larger force and rotate the steering wheel for longer time.

Caution
• When towing vehicles, for 2WD AT models, be sure to lift the driving wheels off the ground, and maintain the towing speed less than 50km/h. When the towing distance is less than 50km, place the shift lever in N gear. • When towing vehicles, for 2WD MT models, the shift lever must be placed in N gear. • When towing vehicles, for 4WD models, please tow the whole vehicle with a flat bed trailer.

Fuel Filter Water Drain

Note: It applies to vehicles equipped with diesel engine.

Be sure to wear proper gloves to protect hands from touching diesel.

SC28R150Q5 diesel engine vehicles

Drain water according to the following steps:

1 Turn the ignition switch to "LOCK" position, press and pull out the connector (1).

2 Connect a proper container to the position under the water level sensor.

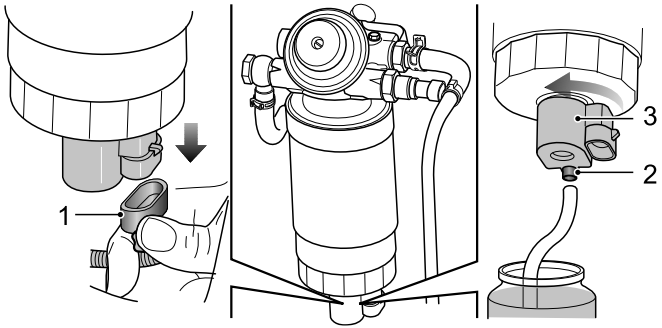
3 Unscrew (but not completely remove) the water level sensor (3) until water starts to flow out from the pipe.

4 Continue to drain water until clean diesel flows out, then re-screw the water level sensor (3) and remove the pipe.

5 Re-install the connector (1).

6 Start the engine. "Fuel filter water level warning lamp (yellow)" shall go out in 2 seconds. Check the filter for fuel leakage.

Note: In case of water freezing in water level sensor (3), take down the water level sensor (3), and melt the ice before reuse.



Caution
If "fuel filter water level warning lamp" on the instrument cluster illuminates during driving, please park the vehicle in a safe place, shut down the engine and drain water.

SC20M163Q5A diesel engine vehicles

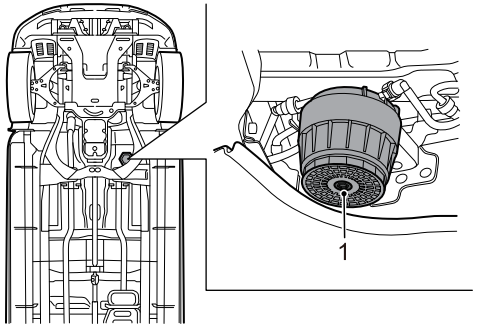
Drain water according to the following steps:

1 Turn the ignition switch to "LOCK" position.

2 Put a proper container under the fuel filter drain bolt and unscrew the drain bolt (1) with a proper tool.

3 Drain till clean diesel appears, then re-tighten the drain bolt (1) to 2-2.5 N.m.

4 Start the engine. "Fuel filter water level warning lamp (yellow)" shall go out in 2 seconds. Check the filter for fuel leakage.



Caution
If "fuel filter water level warning lamp" on the instrument cluster illuminates during driving, please park the vehicle in a safe place, shut down the engine and drain water.

Do not pour diesel fuel into domestic or public sewage system. Please use locally approved waste treatment equipment.

Manual Fuel Pumping

Note: It applies to vehicles equipped with diesel engine.

Be sure to wear proper gloves to protect hands from touching diesel.

When air is mixed in the fuel system pipeline, the engine will flame out. Pump the fuel manually to the fuel system by the following steps:

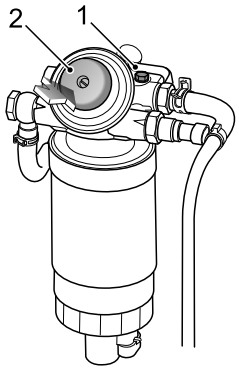
1 Rotate the bleeder screw (1) one round to loosen it.

Note: The bleeder screw can be loosened with a wrench.

2 Press down the manual fuel induction pump handle (2) on the fuel filter for several times until fuel overflows from the bleeder screw (1).

3 Close the bleeder screw and wipe away overflowed fuel.

4 Check whether the engine can be started.



Caution
Before starting the engine, tighten the bleeder screw (2).

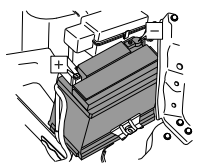
Do not pour diesel fuel into domestic or public sewage system. Please use locally approved waste treatment equipment.

Jump Start

Battery Disconnection

Wear protective gloves and goggles during the operations related to battery. Do not use open fires, generate sparks or smoke in the battery area. Or you will be injured and the vehicle will be damaged.

To disconnect the battery, be sure to disconnect the negative (-) grounding terminal first and then the positive (+) one. When connecting the battery, please install and tighten positive cable (+) first and then negative (-) cable. And cover the terminals with Vaseline.

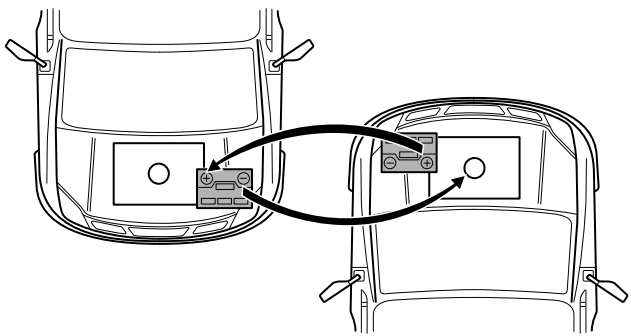


Caution
Before disconnecting the battery, be sure to shut down the engine and turn off all electrical appliances for more than 2 minutes. Please avoid the terminals from contacting with metal components of the body during disconnection. The resulted short circuit may generate electric sparks. Reverse connection of positive and negative cables will cause damage to electrical system.

Jump Start

It is never allowed to start the vehicle by pushing or towing. Make sure that both batteries are of the same rated voltage (12V), and the jumper cables are approved for use with 12V car batteries.

Jumper



- Make two vehicles close enough.
- Shut down the engine and turn off all electrical equipment.
- Connect the positive terminals (+) of both batteries with a red jumper cable.
- Connect a black jumper cable between the negative terminal (-) of power supply battery and the grounding point (not negative terminal) of the battery to be charged.

- Make sure all connecting devices contact well.
- Check whether jumper cables contact with any moving parts when engine starts.
- Check whether the parking brake handles of both vehicles have been engaged and whether the shift lever is in N gear.

Start

Start the vehicle with power supply battery and allow it idle for several minutes.

- Start the vehicle with battery to be charged.
- Allow the engine idle for 2 minutes and above after it is started.

Note: If it fails to start after several attempts, the vehicle probably needs service.

Disconnection

- Shut down the engine of the donor vehicle.
- Make sure the wire terminals will not contact with each other and will not contact any moving parts of engine during disconnection.
- Remove the jumper cables. Removal is the reverse of connection.

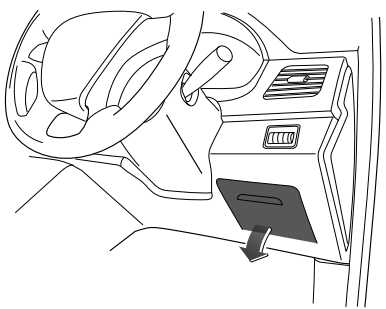
Fuse Replacement

Fuses of this vehicle are respectively placed in two boxes.

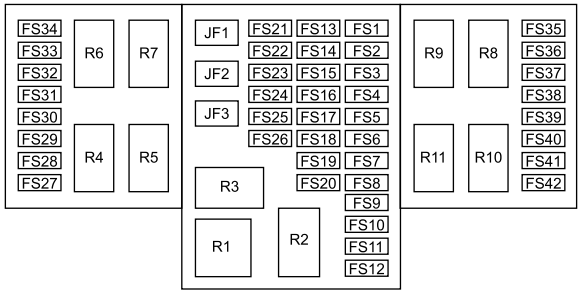
Caution
Any electrical components of the vehicle will be damaged after being splashed with fluid. Be sure to cover any electrical components. The contents in the fuse specification list are subject to continuous modification according to vehicle configuration and technical state. Please follow the list based on actual condition of your vehicle.

Driver Compartment Fuse Box

Driver compartment fuse box is located behind the lower storage box at driver side.



Fuses in the driver compartment fuse box can be identified by the label on the back of lower storage box cover at driver side.



Specifications of Driver Compartment Fuse

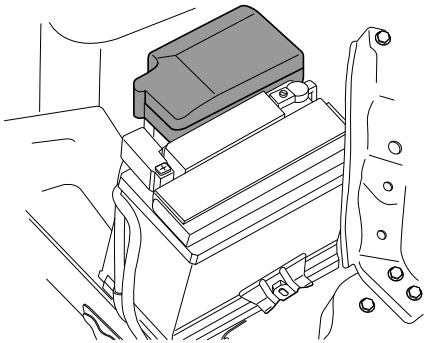
Fuse	Specification	Function
JF1	20A	Sunroof
JF2	25A	Driver seat adjustment
JF3	25A	Front passenger seat adjustment
FS1	7.5A	Engine control module
FS2	10A	Instrument/BCM/PEPS/BSD
FS3	10A	Airbag control module
FS4	7.5A	ABS/electronic stability program
FS5	10A	Tire pressure monitoring/automatic anti-glare rearview mirror/gateway/rain & sun sensor/DC voltage stabilizer
FS6	10A	Automatic transmission/shift lever/A/C control panel/adaptive headlamp control module
FS7	7.5A	Rearview mirror fold
FS8	25A	Central lock
FS9	7.5A	Interior lamp
FS10	10A	Fuel tank cap actuator
FS11	10A	Windshield washer
FS12	25A	Exterior lamp
FS13	10A	Connected vehicle/10-inch screen/PEPS
FS14	25A	Inverter
FS15	10A	Driver seat heater
FS16	10A	Front passenger seat heater
FS17	15A	12V socket/A/C blower control
FS18	10A	Inverter/rearview mirror adjustment/towing
FS19	15A	Cigar lighter
FS20	10A	Gateway/radio/sunroof

Fuse	Specification	Function
FS21	10A	Data link connector/tire pressure monitoring/RF receiver/DC voltage stabilizer
FS22	10A	Automatic transmission
FS23	25A	Entertainment system/radio
FS24	10A	Instrument/IMMO base station
FS25	20A	Horn
FS26	10A	Headlamp self-adaptive adjustment/A/C panel/rain & solar sensor/LDW
FS27	10A	Transfer case controller/front axle clutch
FS28	10A	Front blower feedback signal
FS29	25A	Driver window regulator motor
FS30	25A	Front passenger window regulator motor
FS31	25A	Rear left window regulator motor
FS32	25A	Rear right window regulator motor
FS33	15A	Gateway
FS34	7.5A	Rearview mirror heater
FS35	30A	TCCU PWR 1
FS36	30A	TCCU PWR 2
FS37	25A	Towing power supply 1
FS38	25A	Towing power supply 2

Fuse	Specification	Function
FS39	25A	DC stabilizer 1
FS40	25A	DC stabilizer 1
FS41	25A	DC stabilizer 2
FS42	25A	DC stabilizer 2

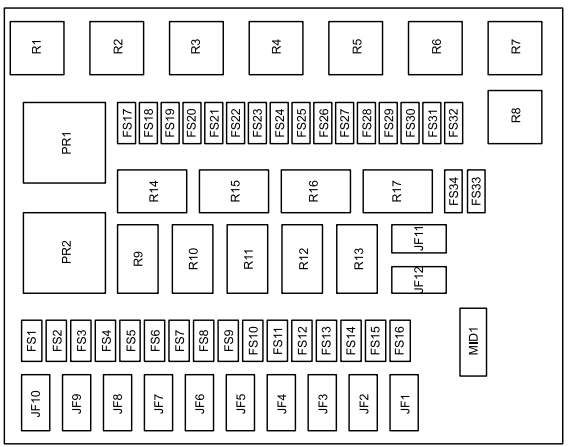
Front Compartment Fuse Box

Front compartment fuse box is located at the right of compartment wall at the front hood bottom (viewed from the front of vehicle).



Caution
Before opening the fuse box cover, make sure its surroundings are dry and no fluid flow from any direction into the opened fuse box, otherwise the fuse box will be damaged, leading to serious consequences.

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.



Specifications of Front Compartment Fuse

Fuse	Specification	Function
JF1	30A	Main relay
JF2	40A/60A	DC voltage stabilizer 2/ECU/fuel pump/cooling fan (480W)
JF3	30A	Starter

Fuse	Specification	Function
JF4	30A	Passenger compartment fuse box power supply 1
JF5	30A	Passenger compartment fuse box power supply 2
JF6	30A	Passenger compartment fuse box power supply 3
JF7	30A	Passenger compartment fuse box power supply 4
JF8	40A	ABS power supply(motor)
JF9	40A	Front blower
JF10	60A/30A	Pre-heating relay/fuel pump/water pump
JF11	60A	Window regulator motor/sunroof
JF12	30A	Passenger compartment fuse box power supply 9
FS1	30A	Transfer case control module
FS2	25A	Rearview mirror/heated rear window
FS3	30A	Passenger compartment fuse box power supply 6
FS4	25A/10A	Fuel-fired heater/ECU
FS5	25A	ABS power supply-valve
FS6	30A	Towing module
FS7	25A	Front wiper
FS8	10A/15A	Ignition switch/passive entry & passive start and electronic steering column lock

Fuse	Specification	Function
FS9	15A	A/C compressor/battery sensor
FS10	30A	Passenger compartment fuse box power supply 7
FS11	15A	Front fog lamp
FS12	30A	Passenger compartment fuse box power supply 5
FS13	25A/30A	Dipped beam/main & dipped beams
FS14	20A/30A	Main beam/passenger compartment fuse box power supply 2
FS15	10A	Daytime running lamp/position lamp/adaptive headlamp control/rear fog lamp
FS16	20A	Passenger compartment fuse box power supply 8
FS17	15A	Main relay power supply 1
FS18	15A	Main relay power supply 2
FS19	15A	Main relay power supply 3
FS20	10A	Start-Stop Switch
FS21	15A	Water pump
FS22	10A	Starter
FS23	20A/15A	SC20M163Q5A engine contorllor
FS24	30A	SC20M163Q5A engine fuel pump
FS25	10A	SC20M163Q5A engine contorllor
FS26	Spare	Spare

Fuse	Specification	Function
FS27	Spare	Spare
FS28	15A	Left high beam
FS29	15A	Right high beam
FS30	15A	Left low beam
FS31	15A	Right low beam
FS32	10A	Headlamp leveling
FS33	Spare	Spare
FS34	Spare	Spare
MIDI	60A/80A	Cooling fan 480W (SC20M163Q5A)/cooling fan 600W

Fuse Replacement

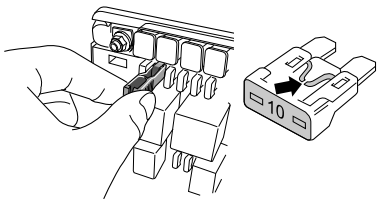
Replace only with the fuse of identical specification/rated current. Installation of non-specified fuse will cause damages to electrical system and even cause fire.

Turn off the ignition switch and power off all electrical equipment before replacing the fuse. Any unauthorized change to electrical system of the vehicle will cause serious adverse effects to electrical management system and cause fire.

Pull out the fuse with a puller provided in the fuse box to remove the fuse.

Determine whether the fuse is blown according to wires inside the fuse (as indicated by the arrow).

Note: Repeated failure with the same fuse is the indication of circuit failure. Please contact Service Dealer as soon as possible.



Caution
Unauthorized change to electrical system of the vehicle will invalidate the warranty.

Bulb Replacement

Before replacing any bulb, turn off the ignition switch and lighting switches to avoid any possible short circuit. When removing or installing the bulb, do not touch the bulb with hands. If touched, wipe away the hand print with a piece of cloth or alcohol.

Caution
The bulb replacement must be identical with the original one in type and specification.

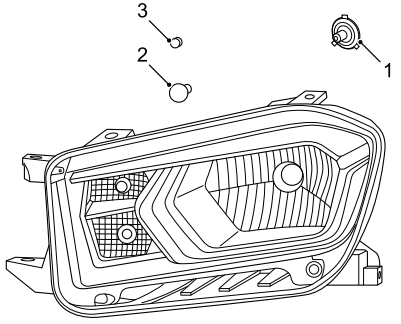
Bulb Specification

Bulb	Specification
Low/high beam (Type 1)	H4
Front turning signal lamp (Type 1)	PY21W
Front width lamp (Type 1)	W5W
Low/high beam (Type 2)	HIR2
Front turning signal lamp (Type 2)	PY21W
Front turning signal lamp (Type 3)	PY21W
Front fog lamp	H11
Rear turning signal lamp	PY21W
Brake lamp/rear width lamp	P21/5W
Reverse lamp	W16W
Rear fog lamp	P21W
License plate lamp	W5W
Front ceiling reading lamp	W5W
Rear ceiling reading lamp	C5W

The method for bulb removal is shown below. For other bulbs to be replaced but not in the list, please contact with Service Dealer immediately. Installation of bulb is the reverse of removal, which will not be covered here.

Front Combination Lamp

Type 1



1 Low/High Beam

Open the engine hood, then you can find it at the rear of front combination lamp:

- Rotate the bulb cover counterclockwise to remove it.
- Remove the low/high beam bulb.

2 Front Turning Signal Lamp

Open the engine hood, then you can find it at the rear of front combination lamp:

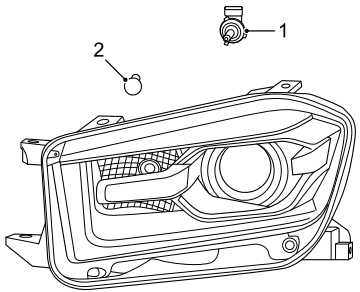
- Rotate the bulb cover counterclockwise to remove it.
- Remove the bulb of turning signal lamp.

3 Front Width Lamp

Open the engine hood, then you can find it at the rear of front combination lamp:

- Rotate the bulb cover counterclockwise to remove it.
- Remove the bulb of width lamp.

Type 2



1 Low/High Beam

Open the engine hood, then you can find it at the rear of front combination lamp:

- Rotate the bulb cover counterclockwise to remove it.
- Remove the low/high beam bulb.

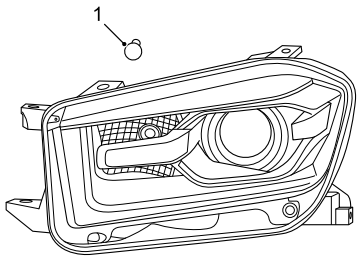
2 Front Turning Signal Lamp

Open the engine hood, then you can find it at the rear of front combination lamp:

- Rotate the bulb cover counterclockwise to remove it.
- Remove the bulb of turning signal lamp.

Note: The light beam of low/high beam for front combination lamp (type 2) is yellow.

Type 3



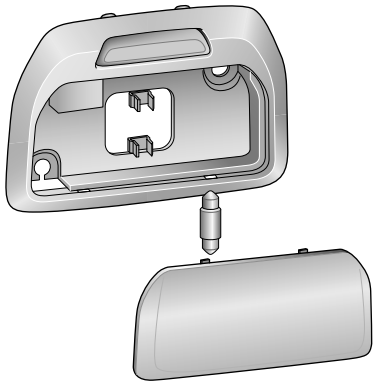
1 Front Turning Signal Lamp

Open the engine hood, then you can find it at the rear of front combination lamp:

- Rotate the bulb cover counterclockwise to remove it.
- Remove the bulb of turning signal lamp.

Note: The light beam of low/high beam for front combination lamp (type 3) is white.

Rear Ceiling Reading Lamp



Carefully pry up the lamp shade with a screwdriver or equivalent.

Remove the bulb of rear ceiling reading lamp.

Maintenance and Service

200 Safety
201 Regular Maintenance
201 Owner Checks
202 Front Compartment
203 Engine Hood
205 Engine Oil
208 Coolant
210 Brake Fluid
211 Power steering fluid
212 Washer Fluid
213 Washer Nozzles
213 Wiper Blade
214 Seat Belt
215 Battery
219 Tires
220 Other Maintenance

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.

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 starting/running, many components under the engine hood will be hot, such as engine, exhaust system, cooling system and power steering fluid reservoir, etc. Do not touch until it is cooled down.

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 shut-down and battery disconnection (refer to "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 handle has been pulled up and the shift lever is in N or P position. Keep match 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 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.

Regular Maintenance

Regular maintenance of the vehicle will be beneficial to the economy, safety and reliability of your vehicle. It is important to remember that the responsibility for ensuring vehicle safety and suitable for road travel is ultimately your own (owner/operator).

Specify the maintenance required and interval for it to maintain your vehicle properly. Please go to Service Dealer for regular maintenance of the vehicle in accordance with the provisions in the "Warranty and Maintenance Manual".

Regular maintenance of your vehicle in accordance with the requirements will ensure your best interests.

Service Dealer has qualified personnel, required equipment and pre-established maintenance plan, which can provide the most reliable service for the vehicle. Therefore, it is recommended to carry out regular maintenance at Service Dealer.

Owner Checks

To ensure the reliability and economy of driving, the vehicle owner must carry out the following simple but important checks:

Daily Check

- The function of lighting (make sure all lens are clean), horn, instrument cluster, warning lamps and indicator lamps, wipers and washers.
- Whether the seat belt is intact.
- Whether the brakes operate normally.
- Visually check if there is water, oil, fuel, exhaust fume and other leakage under the vehicle.

Weekly check or check before a long trip

- Check fluid level/refill.
  - Engine Oil
  - Coolant
  - Windshield Washer Fluid
  - Power steering fluid
  - Brake fluid
- Check the condition and pressure of all tires (including spare wheel).
- Check and operate air conditioning system.

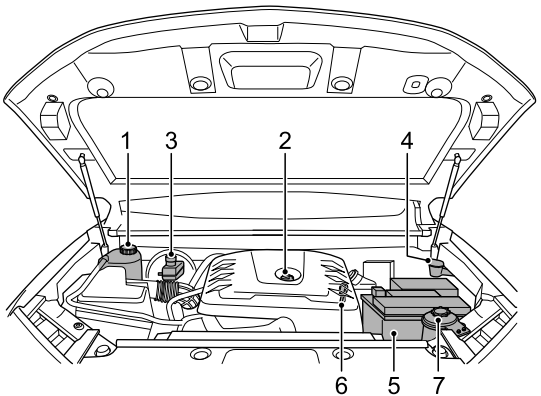
Severe Working Conditions

It is advised to shorten the maintenance interval if the vehicle is used in severe working conditions frequently.

Please go to Service Dealer for regular maintenance of the vehicle in accordance with the provisions in the "Warranty and Maintenance Manual".

Front Compartment

SC28R150Q5 diesel engine vehicles



1 Coolant Expansion Tank

2 Oil Fill Cap

3 Brake Fluid Reservoir

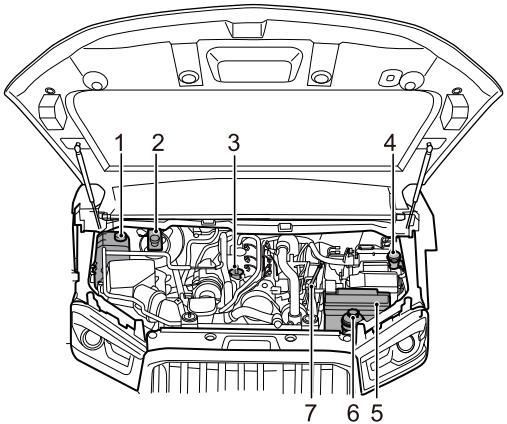
4 Washer Fluid Reservoir

5 Battery

6 Oil Dipstick

7 Power Steering Fluid Reservoir

SC20M163Q5A diesel engine vehicles



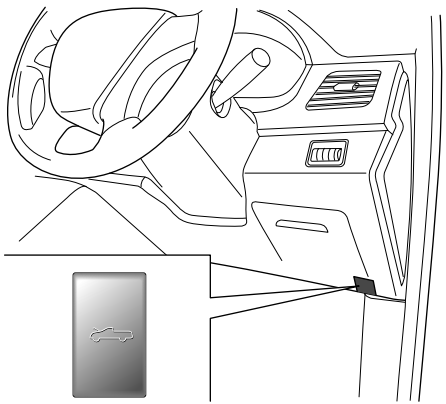
1 Coolant Expansion Tank
2 Brake Fluid Reservoir
3 Oil Fill Cap
4 Washer Fluid Reservoir
5 Battery
6 Power Steering Fluid Reservoir
7 Oil Dipstick

Engine Hood

Open the Engine Hood

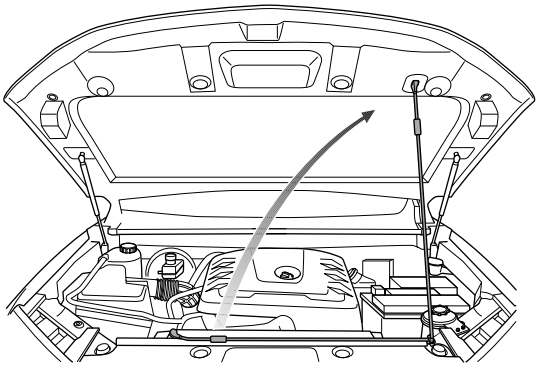
Support Rod

1 Pull the engine hood release lever below the splash guard at driver side to unlock the engine hood.



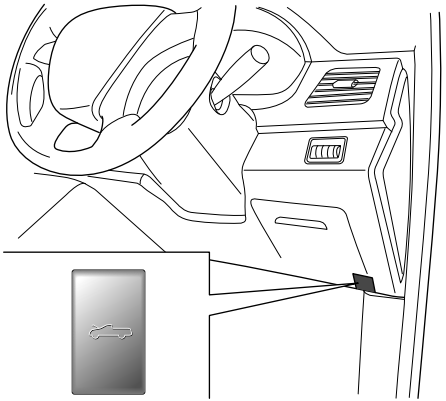
2 Slightly raise the front part of the engine hood, push the lever to the right and lift the engine hood.

3 Take the support rod and insert its end into the mounting slot in the engine hood.



Pneumatic Rod

1 Pull the engine hood release lever below the splash guard at driver side to unlock the engine hood.



2 Slightly raise the front part of the engine hood, push the lever to the right and lift the engine hood.

Close the Engine Hood

When the ignition switch is in "ON" position, the radiator fan may start 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.

Support Rod

When closing, please catch the front part of the engine hood, release and re-grip the support rod, and allow the engine hood to drop at an appropriate height (the front end of engine hood is 30 to 50 cm in height from the grille) until you hear the sound which indicates the latch is snapped. Try pulling the engine hood up to check if the locking mechanism is properly snapped.

Pneumatic Rod

Press down on the front part of the engine hood until you hear the sound which indicate the latch is snapped. Try pulling the engine hood up to check if the locking mechanism is properly snapped.

Caution
Before closing, check if there is any tool, cloth, equipment or etc. left in the area under the engine hood.

Engine Oil

It is recommended to use the oil of correct grade, please refer to "Recommended Fluids" in the General Technical Parameters section for the specifications.

Our authorized dealers are willing to provide you with the latest changes and improvements on the recommended oil. If the temperature in your area is extremely low (below -30°C), it is recommended to use special oil for winter use in your engine. Please contact our authorized dealers for details.

Caution
Do Not use oil that does not meet the requirements of the specified grade. Improper use of the oil can cause damage to the engine and void warranty.

Check and Refill

Do not exceed the maximum mark when refilling.

Long-term frequent exposure to used engine oil can cause severe skin disease. Please avoid excessive skin contact with engine oil, in case of contact, rinse your skin thoroughly.

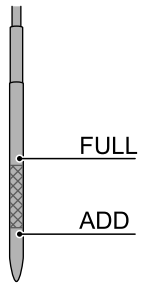
Keep the engine oil out of the reach of children and pets.

Park the vehicle on a flat ground, idle the engine for 1 ~ 2 minutes, then turn off the ignition switch and wait for about 10 minutes to check the oil level.

Pull out the oil dipstick and wipe the blade with a paper or lint-free cloth. Completely insert the oil dipstick back and then pull out.

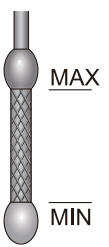
SC28R150Q5 diesel engine vehicles

The oil level indication must be between "FULL" (the mark of maximum amount) and "ADD" (the mark of minimum amount).



SC20M163Q5A diesel engine vehicles

The oil level indication must be between "MAX" and "MIN".

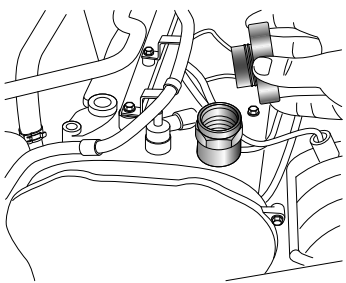


Caution
Check the engine oil level frequently, and refill as necessary. Both excessive and insufficient refilling of engine oil is likely to damage the engine, and the damage are not covered by warranty.

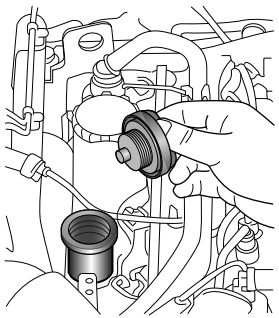
If you need to refill, please unscrew the oil filler cap, then add new oil of correct specification in several times and in small quantities. Repeat the oil level check process after the oil drops into the tank. Refill as necessary until the oil level is correct.

Empty containers and used oil can not be discarded randomly, so as to avoid environment pollution.

SC28R150Q5 diesel engine vehicles



SC20M163Q5A diesel engine vehicles



Engine Oil Consumption

The engine oil consumption is affected by a variety of factors (these factors also affect fuel consumption), of which the oil type and driving pattern (especially in the "running-in" period) are the two most important factors. Generally, the engine oil consumption is higher in the "running-in" period and in continuous high-speed operation. You must follow the suggestions on driving tips in this manual. Please refer to "Driving" in Starting and Driving section.

Coolant

The coolant is harmful, Don't swallow it. Do not allow coolant come into contact with your skin and eyes. In case of contact, rinse with plenty of clean water immediately.

The coolant of correct specification can not only protect the engine from frozen damage, but also offer corrosion protection throughout the year. If coolant of correct specification is not added, do not drive the vehicle. Refer to "Recommended Fluid" in the General Technical Parameters section for the coolant specification.

The fluid in the cooling system must be discharged at a specified interval, then the system shall be rinsed, and the appropriate amount of coolant should be refilled.

Caution
Only use the specified coolant for filling or replacing. If a non-recommended coolant is used, the cooling system may be damaged and the warranty may become invalid.

Check and Refill

Do not remove the expansion tank cap while the system is hot, for escaped water vapor or hot coolant may cause injury. If you have to add coolant when the engine is hot, please wait for 10 minutes, then, cover a thick cloth on the expansion tank cap, slowly rotate the cap counterclockwise to release the pressure inside the expansion tank, and then remove the cap.

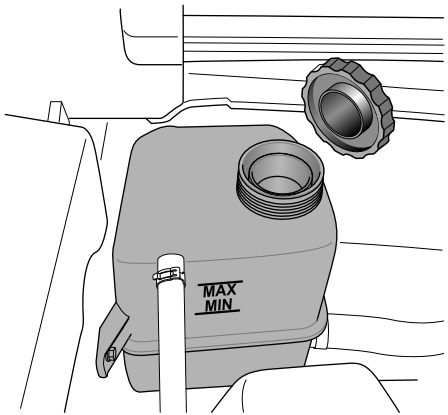
Be sure to check the coolant level when the vehicle is parked on a flat ground and the engine is not running (in cold state).

The fluid level is visible on the expansion tank, and the normal level should be between the "MAX" (the maximum amount) and "MIN" (the minimum amount) marks.

If the level drops to the "MIN" mark, please clean the area around the expansion tank cap and rotate the expansion tank cap counterclockwise to remove it. Refill the specified coolant to the level between "MAX" (the maximum amount) and "MIN" (the minimum amount). Replace the expansion tank cap.

Note: The coolant may expand which 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 fluid level drops significantly or frequent refilling is required, consider if leakage or overheat conditions exist. If so, contact Service Dealer for service as soon as possible.

Precautions in cold weather

To reduce the possible problems caused by the use of coolant in cold weather, the following recommendations should be taken into consideration:

- The standard freezing point of coolant used in the vehicle is -35℃ (the mixture ratio of coolant and water is 1:1), therefore it is required to park the vehicle in an area that can maintain the coolant temperature above -35℃.
- When the vehicle is used in an extremely cold area where the temperature is lower than -35℃, a suitable proportion of coolant based on the local temperature is recommended. (Refractometer T10007 can be used to detect the freezing point of coolant.)

Brake Fluid

If the brake fluid level drops obviously, contact Service Dealer for service as soon as possible.

Only new brake fluid of specified type can be used. Using brake fluid which is used or of non-specified type may impair the brake performance.

It is crucial to keep the brake fluid clean. If any dust enters in the system, it may result in brake performance decline.

Don't allow brake fluid to contact your skin and eyes, In case of contact, rinse with plenty of water. Keep the brake fluid out of the reach of children.

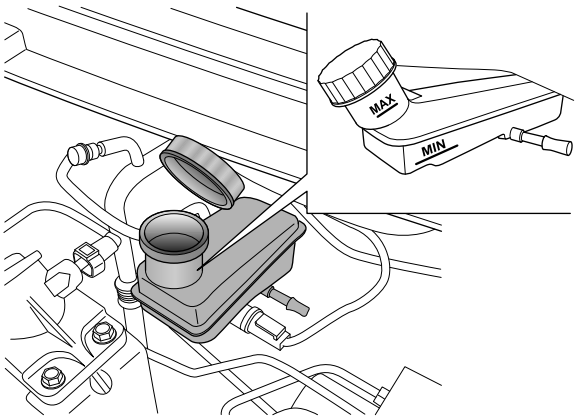
Do not allow brake fluid flowing onto the engine, otherwise it may be ignited when the engine heats up, causing a fire and damage to the engine.

Note: Fluid used in the hydraulic clutch also comes from the brake fluid reservoir.

Caution
• Only the brake fluid that conforms to the DOT4 specification can be filled in the master cylinder of the brake. Do not use brake fluid of other types. • If the brake fluid contacts the paint, it will cause damage to the paint. Wipe clean immediately and rinse with clean water.

Check and Refill

Be sure to check the brake fluid level after the vehicle is parked on a flat ground and the system is in cold state. The brake fluid level is visible on the reservoir, and the normal level should be between the "MAX" (the maximum amount) and "MIN" (the minimum amount) marks. If the level drops to the "MIN" mark, clean the area around the fluid refill cap and rotate the reservoir cap counterclockwise to remove it. Refill the specified new brake fluid to the level between "MAX" and "MIN", then replace the reservoir cap.



If the level is lower than the "MIN" mark, "Brake System Warning Lamp (red)" on the screen of information center will illuminate. It indicates that the brake system is malfunctional. Figure out the reason immediately. If your are driving, stop the vehicle carefully and immediately. Please contact Service Dealer for service as soon as possible. Do not continue to drive.

Do not discard the used brake fluid randomly, so as to avoid environment pollution.

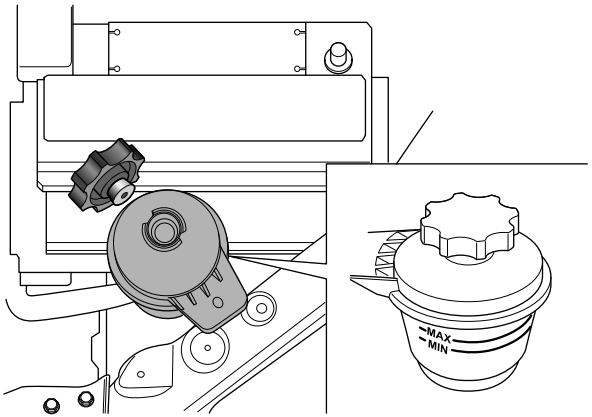
Power steering fluid

Caution
Make sure to use fluid conforming to ATF-DEXRON III specifications.

Check and Refill

If the fluid level drops significantly, contact Service Dealer for service as soon as possible.

Be sure to 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. The power steering fluid level is visible on the reservoir, and the normal level should be between the "MAX" (the maximum amount) and "MIN" (the minimum amount) marks. If the level drops to the "MIN" mark, clean the area around the filler cap and rotate the reservoir cap counterclockwise to remove it, then refill the new fluid of specified specification to the level between "MAX" and "MIN". Replace the reservoir cap.



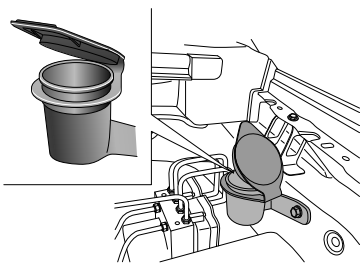
Caution
• Do not refill excessively. • Do not allow dust entering power steering fluid reservoir. • Operating the vehicle in the event of insufficient liquid in the power steering fluid reservoir may damage the power steering device.

Washer Fluid

Check and Refill

It is dangerous to drive the vehicle while the washer system is inoperative. Be sure to check the system before driving.

The windshield washer fluid reservoir is located in the engine compartment. When refilling is needed, please lift the front part of the refilling cap to add the washer fluid, and then close the cap. Refer to "Recommended Fluid" in the General Technical Parameters section for washer fluid specifications.



Caution
Don't use unqualified washer fluid. Don't use tap water since the mineral substance in tap water will block the pipe or nozzle of the windshield washer fluid.

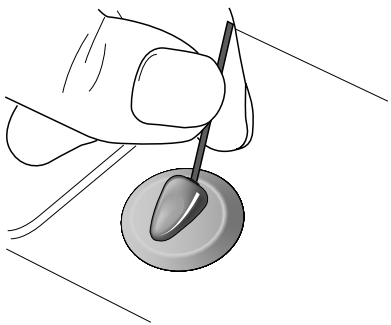
Washer Nozzles

Adjust and Clean

Front Washing Nozzle

Make sure that the washer reservoir has been topped up before adjusting and cleaning the nozzle. If the nozzle is blocked, carefully clean it with a fine line or needle.

The orientation of washer nozzles has been configured in the factory, so generally there is no need for adjustments. If adjustment is needed, carefully insert a fine needle into the nozzle hole to relocate the nozzle, so that the injection is directed toward the center of the windshield.

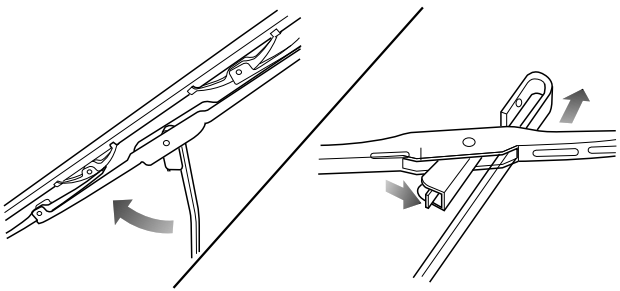


Wiper Blade

Check

Check the edge of wiper blades for roughness or damage, and check if the blade rubber is secure from top to bottom.

Note: If there are grease or other impurities on the rubber blades, it may cause the wiper work improperly and may damage the windshield.



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

Wash it with high-quality or neutral detergent, and wipe with a lint-free dry soft cloth.

Seat Belt

Check

The seatbelt is equipped with a sensitive retractor, which will be locked only in hard acceleration, deceleration or drastically bend.

Don't test the locking device by fiercely and intentionally bending your upper body forward.

Check all the seat belts as shown below:

- Check all the seat belt anchor point for safety.
- Insert the locking tab into the buckle and check if the locking action is definite. Push the red button and check if the locking tab pops neatly.
- With the belt partially loose, hold the locking tab and pull it suddenly. Check if the safety device can be locked automatically and prevent further looseness.

Maintenance

Don't try to fix retractor or buckle mechanism by any means or modify the seat belt. If the seat belt has been stretched in the event of an accident, please ask Service Dealer to replace it and check the anchor point.

Check the seat belt webbing for signs of scratch or wear on a regular basis, and pay special attention to the anchor point and adjuster.

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 penetrating into the retractor. Never bleach or dye the seat belt, as doing so may reduce its strength.

Battery

Warning notice on battery:


Wear glasses!


Wear protective gloves and glasses since battery acid is highly corrosive!


Open flames, electric sparks, strong light and smoking are prohibited!


Explosive mixed gas may be produced during battery charging!


Children should be kept away from acid and battery!

Risk of injury, corrosion, accident and fire exists when operating on vehicle battery and electrical appliance!

Wear protective glasses. Prevent acidic or lead particles from falling into eyes, on skin or clothes.

Wear protective gloves and glasses since battery acid is highly corrosive! The battery can not be turned over because the acid may flow out of the air vent. If the acid splashes into eyes, wash with clean water for a few minutes, then go to see a doctor immediately. If the acid splashes on skin or clothes,

immediately neutralize it with rich soap solution and rinse with plenty of water. If you mistakenly drink acid, go to see a doctor immediately.

Open flames, electric sparks, strong light and smoking are prohibited! Avoid sparking when handling cables and electrical equipment and removing electrostatic loads. Battery electrode must not be short-circuited because sparks with high energy pose a risk of injury.

Battery charging may produce explosive mixed gas, you must ensure that the battery air vent is open to successfully discharge the gas. The battery should be located in a well ventilated space during charging.

Children should be kept away from acid and battery.

Turn off the engine, ignition switch and all the electrical appliances before working on electrical appliances. Remove the battery negative cable. Turn off the lamp in bulb replacement.

Please pay attention to the polarity of power supply. check if the polarity of power supply matches before energizing.

Each energizing period should not be less than 5 seconds, to avoid frequent or fast on and off operation.

First remove the negative cable, then the positive one to remove the battery.

Turn off all the electrical appliances before energizing the battery again. First connect the positive cable, then the negative one. Do not connect the wrong cable - Risk of fire!

Unauthorized removal and installation of battery are prohibited, because in some cases, this operation will lead to serious damage to the battery and fuse box. Please contact 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 case from being exposed to ultraviolet light, do not expose the battery to sunlight.

Car parking period

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
Always turn off the ignition switch when parking, otherwise, it will greatly reduce the parking time.

Winter Operation

Vehicle battery has particularly stringent requirements in winter. In addition, the starting power provided by battery at low temperature is only part of that at room temperature. So we recommend that before the cold season comes, it is better to have vehicle battery checked at Service Dealer, and recharge it as necessary.

If the vehicle will not be in use for a few weeks in an extremely cold situation, you should remove the vehicle battery and store it in an unfrozen room so that it will not be frozen and damaged.

Battery charge with ground equipment

Don't charge the frozen battery for the risk of explosion. Even if the battery has been unfrozen, battery acid may still overflow, resulting in corrosion damage. The frozen battery must be replaced.

Turn off the ignition switch and all electrical appliances before charging.

If the vehicle has been stored for an extended period of time, and can not be started due to battery undercharge (general terminal voltage ≤ 12V), the battery must be removed from the vehicle and charged with ground equipment (operating in accordance with the charging device manufacturer's instructions).

When charging with a low current (such as a small charging device) , generally it is not required to remove the battery connecting cables. But you must pay attention to the instructions given by the charging equipment manufacturer.

Before the quick charge, that is, before the high current charge, you must remove two connecting cables.

Note: Please pay attention to the warnings & instructions for battery before working on it. When charging, the power supply of charging device can be switched on only after the charging device electrode chuck clipped to the battery electrode as specified. After charging, first turn off the charging device, unplug the power cord, and then remove the electrode chuck of charging device from the battery.

Caution
• Keep children away from the battery, battery acid and charging devices. • The battery can only be charged in an ventilated space. Smoking, open flame and electrical sparks are prohibited, because explosive mixed gas will be produced during battery charging! • To protect your eyes and face, please stay away from the battery. • If the acid splashes into eyes or on skins, rinse with clean water for a few minutes and go to see a doctor immediately. • Battery fast charging is dangerous and should be performed by Service Dealer, because it requires specialized charging equipment and knowledge. • Replace the frozen or unfrozen battery. Cracking may occur on the battery case because of freezing. Battery acid may leak and damage the vehicle.

Battery removal

Turn off the ignition switch and all electrical appliance before removing the battery.

To remove the battery, you should first remove the negative cable, next the positive cable, and then remove bolts on the battery retaining bracket , finally remove the battery.

Battery replacement

Battery installed on your vehicle is designed according to appropriate mounting position. If the battery is to be replaced, the new battery should have the same voltage (12V), structure form and safety mark as those of the original one. The current intensity and capacity should be in line with that of the original battery. Service Dealer can provide genuine battery.

Please note that the ignition switch and the electrical appliance have been turned off when installing the battery.

In regard of the old battery disposal, it is better to have the battery replaced by Service Dealer. In addition, the battery contains sulfuric acid and lead, so it absolutely can't be treated as household waste.

Battery installation

Turn off the ignition switch and all electrical appliance before removing the battery.

Place the battery in the mounting position and secure it with battery bracket.

Secure the positive cable then the negative one, then energize the battery.

Caution
To avoid battery discharge, please turn off the ignition switch when leaving the vehicle.

Tires

It is very dangerous to use nonconforming or damaged tires! Do not drive the vehicle if you find a tire or tires are excessively worn, damaged or have incorrect inflating pressure.

Regularly check the tire and its sidewall for any sign of distortion (boss), cut or wear. Remove gravel and other sharp objects with an appropriate blunt. They may pierce tires if you ignoring them .

Tire Pressures

If you drive the vehicle in the case of wrong tire inflation, it may affect the stability of the vehicle, increase the rolling resistance, result in accelerated tire wear, and may permanently damage the tire layer.

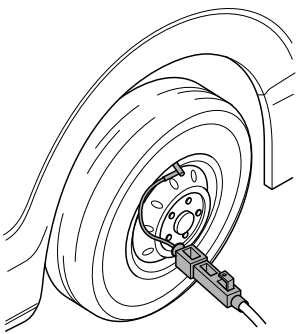
Remember the provisions on tire wear and inflation. The driver is responsible for ensuring that tires conform to these requirements.

Please check the tire pressure (including spare tire) every week and adjust the tire pressure as necessary according to the "Tire pressure mark" on the front side door frame. This manual describes the correct pressure of tire in cold state. Refer to "Wheels and Tires" in the General Technical Parameters section.

The spare tire should maintain the recommended maximum pressure and make adjustments before use. An accurate tire pressure gauge should be used to check the air pressure when the tire is cold, instead making an impairment calculation when the tire is hot, since the pressure of hot tire will be higher than the normal pressure due to the temperature. The valve cap must be mounted to prevent dust from entering into the valve.

After a period of time, natural air pressure drop may occur on tires; if abnormal pressure drop exists, you should immediately identify the cause and correct it.

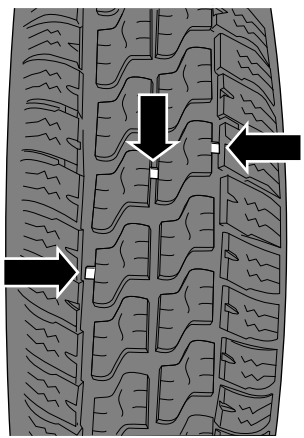
Note: Specified pressure applies to a cold tire, while the pressure of hot tire should be higher.



Wear Indicators

There are wear indicators in the treads of the original tire. When the tire wears to the degree that the tread is 1.6 mm left, the tread of the entire cross-surface will show wear indicators.

If you see any part of the wear indicator, replace the tire immediately. Note, however, that the safety and performance of the tire will be impaired even before the wear indicator is reached. For instance, a seriously worn tire can increase the risk of slipping.



Other Maintenance

Vehicle Wash

When driving the vehicle for the first time after washing, gently depress the brake pedal several times to remove the water on the brake disc.

Wash the tires carefully. Don't use high-pressure nozzle because it may damage the tire. If any damage is found, please replace the tire.

Don't wash the front part of inner vehicle (adjacent to instrument panel) to avoid unnecessary damage to relevant parts.

The following points contribute to the vehicle value preservation:

- Wash the vehicle with cold or warm water. Hot water may impair vehicle paint in extremely cold weather.
- Don't wash the vehicle under intensive direct sunlight in hot weather.
- Use vehicle-specific cleaner to remove grease and tar spots on the vehicle body. When the body is wet, wash it with a soft sponge and an appropriate amount of water. Rinse thoroughly and wipe dry 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, you should check whether there is damage or stone chips on the paint. If necessary, repair the paint. Use polishing wax occasionally to protect the paint surface.
- Keep the sprayer moving when using a high pressure cleaning device. Do not directly wash the engine, radiator, door gap, seals, electrical components or components connected to it.

Note: Please timely remove the substances on the surface of the paint which seem harmless but in fact corrosive, such as bird droppings, resin, insect wreckage, tar spots, road salt and industrial dust. If not removing them timely, stain and damage may be permanently left.

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 fuel products, it is recommended to use the fuel system carbon deposit cleaner certified by our company every 5,000 km to 10,000 km regularly. Please consult Service Dealer for details.

Underbody Corrosion Protection

The underbody of your vehicle has been treated with corrosion protection. Check the corrosion protection of vehicle underbody regularly.

You can use a sprayer to clean the dust or mud accumulated on the underbody. Especially in winter, when salt is used on icy and snowy road.

Seat and interior trim

Remove dust accumulated on the fibers with a vacuum cleaner or a soft brush frequently. Wipe the interior trim with clean cloth frequently. Ordinary interior dust, spots or stains can be removed using a special cleaner. Clean the leather trim with specialized cleaner.

Door Seals

To prevent rubber door seals from freezing in cold weather, use rubber care products or silicone sprays to protect it.

Windows

Frequently clean the windshield with glass cleaner.

The headlamp lens is a transparent plastic material. Please clean the windows with high-quality cleaner or neutral detergent. Do not use friction agent or chemical solvents.

General Technical Parameters

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230 Chassis Technical Parameters
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232 Wheels and Tires
233 Wheel Alignment Parameters

Main Vehicle Dimension Parameters

SC28R150Q5 diesel engine vehicles

Product Model	SK8C-9100	SK8C-9120	SK8C-B120	SK8C-B320	SK8C-B130	SK8C-B330
Driving type	4X2, Front-engine Rear-drive	4X4, Front-engine 4WD				
Length of outline dimension, mm	5395		5365		5680	
Width of outline dimension, mm	1900					
Height of outline dimension, mm	1809, 1845					
Length of cargo bar board, mm	2330		1485		1800	
Width of cargo bar board, mm	1510					
Height of cargo bar board, mm	530					
Wheel base, mm	3155				3470	
Front/Rear suspension, mm	942/1298		942/1268		942/1268	
Front wheel track, mm	1580					
Rear wheel track, mm	1580					
Minimum turning circle diameter, m	12.6				13.7	

Product Model	SK8C-9109	SK8C-9309	SK8C-9129	SK8C-9329
Driving type	4X2, Front-engine Rear-drive chassis		4X4, Front-engine 4WD chassis	
Length of outline dimension, mm	5230			
Width of outline dimension, mm	1890			
Height of outline dimension, mm	1809, 1845			
Length of cargo bar board, mm	NA			
Width of cargo bar board, mm	NA			
Height of cargo bar board, mm	NA			
Wheel base, mm	3155			
Front/Rear suspension, mm	942/1133			
Front wheel track, mm	1580			
Rear wheel track, mm	1580			
Minimum turning circle diameter, m	12.6			

SC20M163Q5A diesel engine vehicles

Product Model	SK8C-B100	SK8C-B300	SK8C-B120	SK8C-B320	SK8C-B120	SK8C-B320
Driving type	4X2, Front-engine Rear-drive chassis		4X4, Front-engine 4WD chassis			
Length of outline dimension, mm	5365					
Width of outline dimension, mm	1900					
Height of outline dimension, mm	1809, 1845					
Length of cargo bar board, mm	1485					
Width of cargo bar board, mm	1510					
Height of cargo bar board, mm	530					
Wheel base, mm	3155					
Front/Rear suspension, mm	942/1268					
Front wheel track, mm	1580					
Rear wheel track, mm	1580					
Minimum turning circle diameter, m	12.6					

Complete Vehicle Mass Parameters

SC28R150Q5 diesel engine vehicles

Product Model	SK8C-9100	SK8C-9120	SK8C-B120	SK8C-B320	SK8C-B130	SK8C-B330
Total Mass, kg	2850	3050	2950 3050	2950 3050	2900	2900
Curb weight, kg	1760	1850	1950 2000	1980 2060	2020	2050
Axle load (Front/rear axle load under curb weight), kg	1020/740	1110/740	1130/820 1160/840	1150/830 1200/860	1300/1600	1290/1610
Number of Seats	2	2	5	5	5	5

Product Model	SK8C-9109	SK8C-9309	SK8C-9129	SK8C-9329
Total Mass, kg	2850		3050	
Curb weight, kg	1590	1620	1680	1710
Axle load (Front/rear axle load under curb weight), kg	1020/570	1040/580	1110/570	1130/580
Number of Seats	2	2	2	2

SC20M163Q5A diesel engine vehicles

Product Model	SK8C-B100	SK8C-B300	SK8C-B120	SK8C-B320	SK8C-B120	SK8C-B320
Total Mass, kg	3000	3000	3050	3050	2900	2900
Curb weight, kg	1890	1920	1980	2010	2050	2080
Axle load (Front/rear axle load under curb weight), kg	1080/810	1090/830	1150/830	1170/840	1190/860	1210/870
Number of Seats	5	5	5	5	5	5

Main Engine Parameters

Engine Model	SC28R150Q5	SC20M163Q5A
Type	In-cylinder direct injection diesel engine with turbocharger and intercooler	In-cylinder direct injection diesel engine with turbocharger and intercooler
Displacement, L	2.776	1.996
Number of Cylinder	4	4
Cylinder Bore, mm	94	83
Stroke, mm	100	92
Volume Compression Ratio	17(±0.2) : 1	15.9:1
Maximum net power, KW	109.3	118.5
Engine speed at rated power, rev/min	3400	4000
Maximum torque, Nm	360	375
Engine speed at maximum torque, rev/min	1600 ~ 2800	1500 ~ 2400
Idle speed, rev/min	750±20	750±25
Fuel Type and Grade	Diesel, conform to Euro V or higher，and the diesel with sulfur content less than 15 ppm	Diesel, conform to Euro V or higher，and the diesel with sulfur content less than 15 ppm
Fuel tank capacity, L	75	73
Maximum design speed, km/hour	170	170
Emission level reached when the complete vehicle leaving factory	Euro V	Euro V

Chassis Technical Parameters

Item	Parameters
Front Suspension Structure	Double wishbone independent suspension
Rear Suspension Structure	Vertical type spring non-independent suspension
Form specifications of steel plate spring	Five leaf spring
Requirements for steel wheel dynamic balance	Both sides of the remaining dynamic imbalance is less than: 10 grams(main tire) / 15 grams(spare tire)
Dynamic Balance of Aluminum Wheels	Both sides of the remaining dynamic imbalance is less than: 8 grams
Rational range of brake pedal free stroke	within 10 mm
Rational use range of brake friction pair	Friction material thickness is greater than 2 mm

Recommended Fluids

Item	Grade	Capacity
Engine(SC28R150Q5) lubricating oil, L	CJ-4 5W-40	7(high chassis) 6.5(low chassis)
Engine(SC20M163Q5A) lubricating oil, L	SAE 5W-30 ACEA C3	4.7
Engine coolant, L	D-35(-35℃)	13
SC36M(B)6B 6th speed manual transmission(SAGW) oil, L	Fuchs MTF SAE 75W-85, Castrol BOT581, Shell MTF GJ, SK MTF 75W-85 201005	2.5(±0.1)
SC48M(B)6B 6th speed manual transmission(SAGW) oil, L	Fuchs MTF SAE 75W-85, Castrol BOT581, Shell MTF GJ, SK MTF 75W-85 201005	3.3(±0.1)
6th speed manual transmission(DYMOS) oil, L	Fuchs MTF SAE 75W-85, Castrol BOT581, Shell MTF GJ, SK MTF 75W-85 201005	2.4
Automatic transmission oil, L	petro-Canada Dexron VI	10.2
Brake fluid, L	Laike 901-4 DOT 4	0.75
Power steering fluid, L	ATF-DEXRON III	1.15
Washer fluid, L	General low freezing point detergent	3.8
Air conditioning refrigerant, g	R134a	580±30
Front axle lubricant, L	TEMPO GL-5 80W-90	0.9
Rear axle lubricant, L	TEMPO GL-5 80W-90	3
Transfer case lubricant, L	ATF-DEXRON III	1.5

Wheels and Tires

Item	Parameters		
Wheel Specification	15x6.5J		16x7J
Tire specification	215/70R15LT	215/70R15C	245/70R16
Tire pressure of front wheel(cold condition)	300kPa/3.0bar/43.5psi	300kPa/3.0bar/43.5psi	220kPa/2.2bar/32psi
Tire pressure of rear wheel(cold condition)	450kPa/4.5bar/65psi	375kPa/3.75bar/54psi	280kPa/2.8bar/41psi
Spare wheel specification	215/70R15LT	215/70R15C	245/70R16
Tire pressure of spare wheel(cold condition)	450kPa/4.5bar/65psi	375kPa/3.75bar/54psi	280kPa/2.8bar/41psi

Item	Parameters	
Wheel Specification	17x7J	19x7.5J
Tire specification	245/65R17	255/55R19
Tire pressure of front wheel(cold condition)	250kPa/2.5bar/36psi	220kPa/2.2bar/32psi
Tire pressure of rear wheel(cold condition)	250kPa/2.5bar/36psi	270kPa/2.7bar/39psi
Spare wheel specification	245/65R17	245/65R17
Tire pressure of spare wheel(cold condition)	250kPa/2.5bar/36psi	290kPa/2.9bar/42psi

Wheel Alignment Parameters

Item		Parameters
Front wheels	Toe-in angle	0 ± 0.15° Total toe-in≤0.15°
	Camber angle	0 ± 0.5° Difference value between left and right ≤0.5°
	Kingpin caster	3.6 ± 0.5° Difference value between left and right ≤0.5°
Rear wheels	Toe-in angle	0°±0.25°
	Camber angle	0°±0.5°
	Thrust Angle	0°±0.25°