

COBALT

Owner's manual

USE ONLY UNLEADED PETROL WITH 91 OCTANE NUMBER OR HIGHER!



Your vehicle is equipped with an engine that is designed and built according to the latest achievements in automotive development.

This model is cost-effective, technically advanced and meets the requirements of environmental protection.

For proper operation of the engine only recommended high-quality fuel must be used with an octane number corresponding to the type of model.

See “DRIVING AND OPERATING - Fuel” (page 8-19).

The use of other fuels could lead to a deterioration in the performance of the vehicle and will void the warranty!

FOREWORD

This manual is intended to acquaint the owner with the operation and maintenance of the vehicle manufactured by JSC "UzAuto MOTORS".

This guide contains important information about the safe and durable operation of the vehicle. We urge you to read this manual carefully and follow all the recommendations contained in it. This will provide a safe, reliable operation of the vehicle, its assemblies and systems for their lifetime.

For the maintenance of the car it is recommended to contact the authorized service stations, trained staff and technical equipment which will ensure all maintenance operations to be at the proper level. On the authorized service stations you will meet the most attentive and interested attitude to you and your car.

We would like to take this opportunity to thank you for choosing a JSC "UzAuto MOTORS" product and assure you of our continuing interest in your monitoring pleasure and satisfaction.

This manual should be considered as a permanent part of your vehicle, and must remain with the vehicle at the time of resale!

IMPORTANT NOTICE

Please read this manual and follow the instructions carefully.

Signal words **WARNING**, **CAUTION** and **NOTE** have special meanings.

This is the safety alert symbol. It is used to alert you to potential injury hazards or property damage. Obey all safety messages that follow this symbol.

All information, illustrations, and specifications in this manual are based on the latest product information available at the time of publication.

CAUTION!

Text marked Caution provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

WARNING!

Text marked Warning provides information on risk of accident or injury. Disregarding this information may lead to injury.

DANGER!

Text marked Danger provides information on risk of fatal injury. Disregarding this information may endanger life.

Pay special attention to this information and try to memorize the most important information regarding your security measures.

The owner's manual and vehicle maintenance are prepared taking into account all the latest changes and improvements made to the design of the vehicle at the time of publication.

JSC "UzAuto MOTORS" reserve the right to change specifications or designs at any time without notice and without incurring obligation.

This vehicle may not comply with the standards or regulations of other countries.

Before attempting to register this vehicle in any other country, check all applicable regulations and make any necessary modifications. Contact authorised dealer for advice.

This manual describes the options and trims available at the time of publication. Some of the items covered may not apply to your vehicle. Including the vehicle may not have a radio, CD-player and rear view camera. Contact your authorised dealer for information on option and trim availability.

*** or (option)**: The asterisk and (option) in this manual signify an item of equipment that is not included on all vehicles. Such items include engine options, model variations specific to one country, and optional equipment.

Non-Genuine parts and accessories have not been examined or approved by our company.

We can certify neither the suitability nor the safety of non-Genuine parts and accessories and are not liable for damage caused by their use.

Links to pages are indicated as "See page ⇨".

Important: Read Section "DRIVING AND OPERATING" for applicable fuel type information. See page ⇨ 8-19).

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1

KEYS, DOORS, AND WINDOWS

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KEYS AND LOCKS

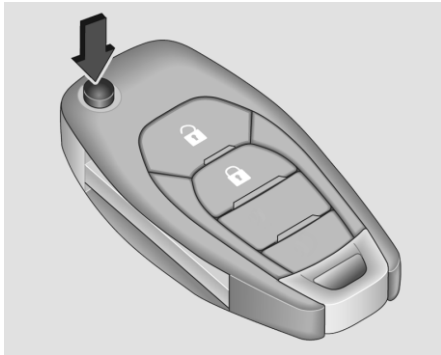
Keys

Replacement keys

The key mechanical code is specified on a detachable tag.

As this code is specific to each vehicle, it is necessary in order to quote replacement keys.

Key with Foldable Profile (If equipped)



Press the button to extend. To fold the key back, first press the button, then turn the key to the original position.

DANGER!

Do not leave the keys in the ignition or even in the vehicle if children are inside unattended. This lack of responsibility may cause several life-threatening situations to children and to others. The keys provide the possibility to control many features of the vehicle, even to put it into motion.

Radio Remote Control (If equipped)



Used to operate:

- Central locking system
- Anti-theft alarm system
- Decklid

The radio remote control has a range of approximately 20 metres. This range can be affected by outside influences.

The hazard warning flashers confirm the operation.

Handle with care, protect it from moisture and high temperatures and avoid unnecessary operation.

The radio remote control will not work when inserted in the ignition as a precaution to avoid unwilling activation of the remote control.

Fault

If the central locking system cannot be operated with the radio remote control, it may be due to the following:

- Range exceeded.
- Battery voltage too low.
- Frequent, repeated operation of the remote control while not in range, which will require resynchronisation.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

See Manual Door Locks ↻ 1-4.

Radio remote control battery replacement

Replace the battery as soon as the range reduces.

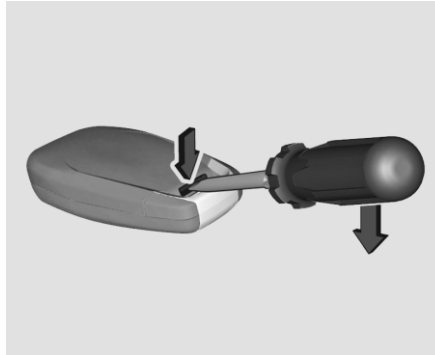
Batteries must be disposed of at an appropriate recycling collection point.

Battery Replacement of the Remote Control

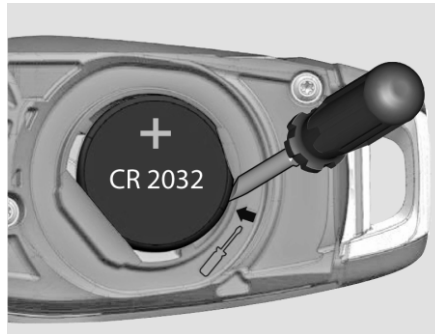


Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

To replace:



1. Insert a flat screw driver in the recess and separate the back cover of the remote control unit.



2. Remove battery with a very small screw driver at the mark, see graphic.
3. Replace battery. Use CR 2032 or equivalent battery. Pay attention to the installation position, plus terminal upwards.
4. Install back cover of the remote control and engage by pressing the cover.
5. Check the operation of the transmitter with your vehicle.

⚠ CAUTION!

Avoid touching the flat surfaces of the battery with your bare fingers as it will shorten battery life.

Note

Used lithium batteries can harm the environment. Follow local recycling laws for disposal. Do not discard with household refuse.

Note

In order to keep the transmitter working properly, follow these guidelines:

- Avoid dropping the transmitter.
- Do not place heavy objects on the transmitter.
- Keep the transmitter away from water and direct sunlight. If the transmitter gets wet, wipe it with a soft cloth.

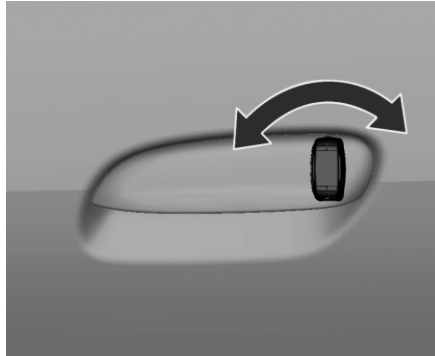
Manual Door Locks

Inside Locking



Push the door handle of the respective doors inwards. The doors will be locked. The driver's and the front passenger's doors can only be locked after they have been closed. The possibility of forgetting the key inside the vehicle is thus prevented.

Outside Locking



Turn the key counterclockwise. Driver's door will be locked. Make sure that other doors are locked before leaving the vehicle.

Unlocking

Turn the key clockwise.


Central Locking System

Unlocks and locks all the doors. A pull on an interior door handle unlocks and opens the respective door.



Unlocking

Radio Remote Control



Press the button .

All doors will be unlocked as standard and the hazard flashers will briefly illuminate twice.


It is possible to unlock only the driver's door by pressing the button  once and to unlock all of the others doors and the decklid by pressing the button  twice.

Settings can be changed in the infotainment menu. See Infotainment  6-18.

Locking

Radio Remote Control




Press the button .

All doors, including the decklid will be locked and the hazard flashers will briefly illuminate once as standard when locked successfully. If the driver's or the passenger's door is not closed properly, this door lock will not work.

Unlocking the Decklid



Press the button  twice. The decklid will unlock and open, while all other doors remain locked. The hazard flashers will briefly illuminate twice.

Central Locking Buttons

Locks or unlocks all doors.




Press the  button to lock.
Press the  button to unlock.

Automatic Door Locks

Automatic Unlocking

This feature unlocks doors after driving:

- For vehicles with manual transmission, when the key is removed from the ignition;
- For vehicles with automatic transmission, when the shift lever is moved to the P position.

This feature is disabled as default. Settings can be changed in the Infotainment menu.
See Infotainment  6-18.

Auto Door Relock

After an unlock command through the remote control, all doors will be automatically relocked within a few minutes if neither of the doors is opened or the ignition key is not turned to position 1 or 2.

See Ignition Positions ↷ 8-11.

This feature is disabled as default. Settings can be changed in the infotainment menu.

See Infotainment ↷ 6-18.

Lockout Protection

Child Locks



⚠ WARNING!

Use the child locks whenever children are occupying the rear seats.

To activate the child lock, push the lever in the arrow direction. Doors cannot be opened from the inside.

To deactivate the child lock, push the lever in the opposite direction. Doors can be opened from the inside.

DOORS

Load compartment

Opening

⚠ WARNING!

Do not drive with the decklid open or ajar, e.g. when transporting bulky objects, as toxic exhaust gases could enter the vehicle.

⚠ CAUTION!

Before opening the decklid, check for overhead obstructions, such as a garage door in order to avoid damage to the decklid. Always check the moving area above and behind the decklid.

Note

The installation of certain heavy accessories onto the decklid may affect its ability to remain open.


VEHICLE SECURITY**Anti-theft alarm system**

Anti-theft alarm system monitors:

- Doors
- Decklid
- Bonnet
- Ignition

Activation


The anti-theft alarm system is activated through the radio remote control:

- Automatically, 30 seconds after locking the vehicle (initialization of the system).
- By pressing  twice.

Note

The anti-theft alarm system cannot be activated while the driver's door is open.



To unlock the decklid, insert the key into the lock and turn it clockwise or press the  button of the radio remote control twice.

See Radio Remote Control (If equipped) ⇨ 1-2.



The decklid lifts up.

Closing**⚠ CAUTION!**

Make sure that your hands and any other body parts, as well as those of other persons are completely away from the decklid closure area.

To close the decklid, pull it down, so that it can latch securely.

⚠ CAUTION!

Do not forget to check if all the windows are closed in order to guarantee the efficiency of the anti-theft alarm system.

Status LED



The status LED is integrated in the central locking button near the middle of the instrument panel.

Status during the first 30 seconds of anti-theft alarm system activation:

LED illuminates : test, arming delay.

LED flashes quickly : doors, decklid or bonnet not completely closed, or system fault.


Status after system is armed:

LED flashes slowly : system is armed.

Seek the assistance of a dealer in the event of faults.

Deactivation



Unlocking the vehicle by pressing the button  deactivates the anti-theft alarm system.

Alarm

The horn will sound and the hazard flasher will flash for 30 seconds when the alarm is triggered.

If any door, decklid, bonnet or other alarm source triggers the alarm, the same will only be sharp again 30 seconds after closed.

The alarm can be silenced by pressing any button on the radio remote control or by switching on the ignition.

Auto Alarm Reactivation

If none of the doors are opened or the ignition key is not turned to position 1 or position 2 within few minutes after deactivating the alarm using the radio remote control, the anti-theft alarm system is reactivated automatically.

See Ignition Positions ⇨ 8-11.

This feature is tied to "Auto door relock" feature and is disabled as default.

Settings can be changed in the infotainment menu.


See Infotainment ⇨ 6-18.

Immobilizer

The system is integrated into the ignition switch and checks whether the vehicle is allowed to start with the key being used.

If the transponder in the key is recognized, the vehicle can be started.

The immobilizer activates itself automatically after the key has been removed from the ignition switch.

If the control indicator  flashes or illuminates when the ignition is on, there is a failure in the system and the engine cannot be started.

Switch off the ignition and then repeat the start attempt.

If the control indicator continues flashing or illuminating, attempt to start the engine using the spare key and seek the assistance of a Dealer.

EXTERIOR MIRRORS

Note

The immobilizer does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system. See Manual Door Locks ⇨ 1-4 and Anti-theft Alarm System ⇨ 1-8. See Immobilizer Light ⇨ 4-11.

Note

This equipment operates in secondary character, which means it does not have protection against harmful interferences, even from stations of the same kind, and cannot cause any interference with systems which work in primary character.

Manual mirrors



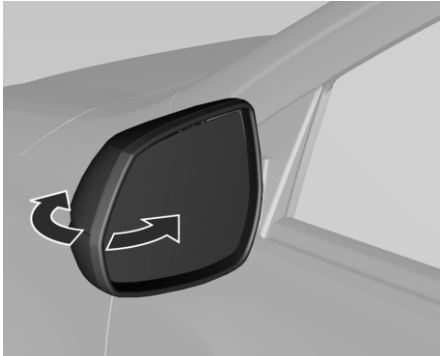
Adjust the exterior mirror manually using the handle.

Power Mirrors



The control for the power mirrors are located on the door trim beside the driver. Select the left or the right exterior mirror with the selector switch and adjust with the four-way switch.

Folding mirrors



For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing. This feature is also useful to reduce the total width of the vehicle to prevent damages when the vehicle is parked. Push the mirror back into the functional position before driving.


⚠ WARNING!

Always keep your mirrors properly adjusted, and use them while driving to increase your visibility of objects and other vehicles around you. Do not drive while either outside rear view mirror is folded back.

The surface of the mirror lenses is convex to increase the driver's field of view, and, due to that, the objects reflected in the mirror are closer than they appear. Do not underestimate the real distance of the vehicles reflected in the mirrors. Also, always check the rear guard on the inner rear view mirror or glance over your shoulders before changing lanes.

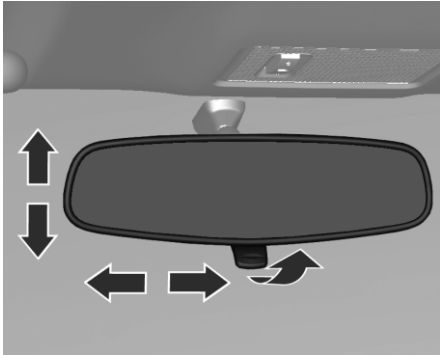
Heated Mirrors



Operated by pressing the  button.

The glass surface of the outside mirror heats when the rear window defogger is activated. Heating works with the engine running and is switched off automatically after some time or by pressing the button again.

This feature is only available in the electric adjustment versions.

INTERIOR MIRRORS**Manual Rearview Mirror****Manual Anti-Dazzle**

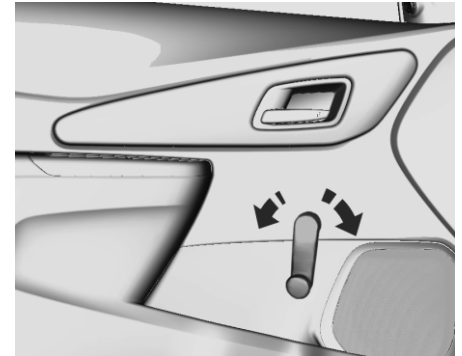
The adjustment is performed by tilting the mirror to a suitable position.
Adjust the lever below the mirror to reduce dazzle.

⚠ WARNING!

Your view through the mirror may lose some clarity when it is adjusted for night vision. Take special care with using your inner rear view mirror when it is adjusted for night vision.
The inner rear view mirror should be adjusted before driving with the sun visor unfolded to avoid the contact between them. This occurs

⚠ WARNING!

because the inner rear view mirror is bi-articulated.
Failure to ensure a clear rear view to drive may result in a collision, causing damage to your or the other's vehicle and/or personal injury.

WINDOWS**Manual windows**

The door windows can be opened or closed with the cranks.

Power Windows (If equipped)**⚠ WARNING!**

Take care when operating the power windows. Risk of injury, particularly to children. If there are children on the rear seats, switch on the child safety system for the power windows. Be careful when closing the windows. Ensure that nothing becomes trapped in them as they move.

Power windows can be operated

- with ignition on.
- within 10 minutes after switching ignition off.

After switching off the ignition, window operation is disabled when any door is opened.





Operate the switch for the respective window by pushing to open or pulling to close.

⚠ WARNING!

Body parts outside vehicle can be struck by passing objects.

Child Safety System For Rear Windows




Press the switch  to deactivate rear door power windows. To activate, press  again.

Overload

If the windows are repeatedly operated within short intervals, the window operation is disabled for some time.

Heated Rear Window



Operated by pressing the  button. Heating works with the engine running and is switched off automatically after some time or by pressing the button again.

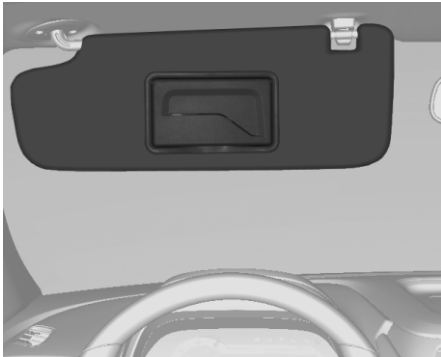
This vehicle has heated outside mirrors. The surface of the outside mirror will also heat when the rear window defogger is activated.

⚠ CAUTION!

Do not use sharp instruments or abrasive window cleaners on your vehicle's rear window.

Do not scratch or damage the defroster wires when you clean or work around the rear window.

Sun Visors



The sun visors can be folded down or swivelled to the side to prevent dazzling.

If the sun visors have integral mirrors, the covers should be closed when driving.

⚠ WARNING!

Do not place the sun visor in such a manner that it obscures visibility of the roadway, traffic or other objects.

2

SEATS AND RESTRAINTS

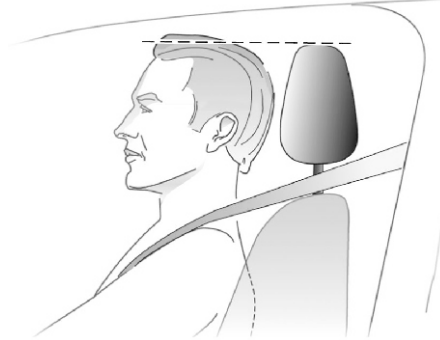
- HEAD RESTRAINTS 2-2
- FRONT SEATS 2-3
- SAFETY BELTS 2-5
- AIRBAG SYSTEM 2-8
- CHILD RESTRAINTS 2-12

HEAD RESTRAINTS

Position

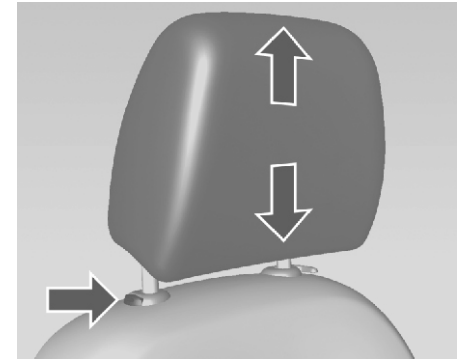
⚠ WARNING!

Only drive with the head restraint set to the proper position. Removed or improperly adjusted head restraints can result in serious head and neck injuries in case of a collision. Make sure that the head restraint readjusted before driving.



The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

Head restraints on front seats

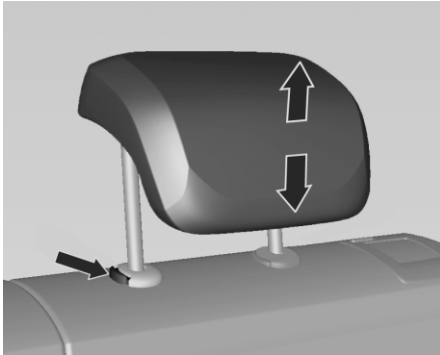


Height adjustment

Pull the head restraint upward. To move down press the locking button and push the head restraint downward.

Removing

Raise the head restraint full height. Press the locking button at the same time. Pull up the head restraint.

Head restraints on rear seats**Height adjustment**

Pull the head restraint upward.

To move down, press the locking button and push the head restraint downward.

The centre seat on the rear is not provided with a head restraint.

Removing

Raise the head restraint full height.

Press the locking button at the same time.

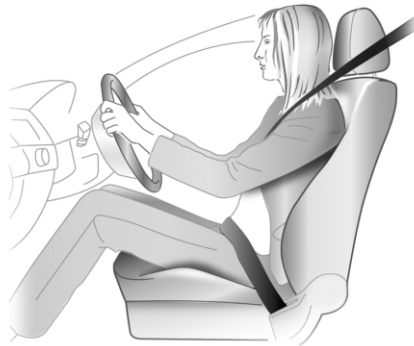
Pull up the head restraint.

FRONT SEATS**Seat position****⚠ WARNING!**

Only drive with the seat correctly adjusted.

⚠ DANGER!

Never place objects under the Front Seats because during the Seats movement they can damage the mechanical or electrical components, reducing or restricting the safety system performance.

**Removing**

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust the steering wheel Steering Wheel Adjustment on page ↻ 4-4.
- Set the seat high enough to have a clear field of vision on all sides and on all display instruments. There should be at least one hand of clearance between your head and the headlining. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint Head Restraints on page ↻ 2-2.
- Adjust the height of the seat belt Three-Point Safety Belt on page ↻ 2-4.

Seat adjustment

⚠ DANGER!

To allow the safe airbag deployment, do not sit nearer than 25 cm from the steering wheel. Never locate objects of any size or shape under the front seats, as they may interfere with the moving mechanism, other parts of the seat frame of electrical components when available, reducing or canceling the correct performance of these components and security systems.

Still, if there is a need to locate any object under the front seats, it is recommended firstly to place the seats in the position all behind to facilitate the access.

Do not adjust the seat by replacing your hands, fingers, feet or other body parts under the seat, as they have moving mechanism and metal parts that can cause injury.

⚠ DANGER!

Never adjust seats while driving as they could move uncontrollably.

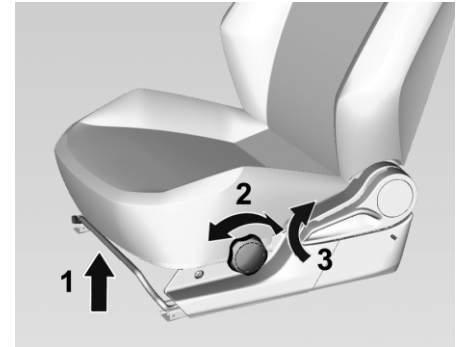
Whenever you need to adjust the seat, be sure to sit comfortably and use the lever to unlock or electrical adjustment buttons, when available.

After adjusting the seat position, try to move it forward and backward to make sure it is locked in position.

When adjusting the seat make sure not to hit a passenger or baggage.

Keep hands, fingers, feet or other body parts away from the functional areas of the adjustment mechanism, locking seats and other metal components.

If there is a need to pick some object below the front passenger seat, it is recommended firstly to place the seats in the position all behind.



Seat Positioning

Pull the handle (1), slide the seat, release the handle.

Make sure that the seat is locked in place.

Seat Backrests

Pull the lever (3), adjust the inclination and release the lever. Allow the seat to engage audibly.

Seat Height


Seat height adjustment is only possible for the driver's seat.

Turn the knob (2) on the outside of the seat cushion to adjust the desired position.

Heated front seats**⚠ WARNING!**

If you cannot feel temperature change or pain to the skin, the seat heater may cause burns even at low temperatures. To reduce the risk of burns, people with such a condition should use care when using the seat heater, especially for long periods of time. Do not place anything on the seat that insulates against heat, such as a blanket, cushion, cover, or similar item. This may cause the seat heater to overheat. An overheated seat heater may cause a burn or may damage the seat.



On vehicles with heated front seats, the controls are on the climate control system. To operate, the engine must be running. Press  to heat the driver's seat and L for the passenger's seat. The indicator light on the control turns on when this feature is on. Press the control again to turn this feature off. The passenger's seat may take more time to heat up.

SAFETY BELTS

The belts are locked during heavy acceleration or deceleration of the vehicle for the safety of the occupants.

⚠ DANGER!

Fasten the seat belt before each trip and keep it fastened. In case of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are only designed to be used by one person at a time. They are not suitable for persons smaller than 150 cm. The usage of an appropriate child seat restraint system is obligatory for persons smaller than 150 cm.

See Child Restraint Systems ⇨ 2-12.

Periodically check all parts of the belt system for damage and proper functionality.

Have damaged components replaced. After an accident, have the belts and triggered belt tensioners replaced by a Chevrolet Dealer.

Note

Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped.

Seat Belt hardware should be kept dry and free of dust or debris. As necessary, exterior hard surfaces and seat belt webbing may be lightly cleaned with mild soap and water.


Ensure there is not excessive dust or debris in the mechanism. If dust or debris exists in the system please see the dealer. Parts may need to be replaced to ensure proper functionality of the system.


Belt Force Limiters in Vehicles Equipped with Airbag System

In the driver's seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt Tensioners in Vehicles Equipped with Airbag System

In the event of a head-on or rear-end collision of a certain severity, the driver's seat belt is tightened.

 DANGER!
Incorrect handling (e.g. removal or fitting of belts or belt buckles) can trigger the belt tensioners with risk of injury.

Deployment of the belt tensioners is indicated by illumination of control indicator . See Airbag and Safety Belt Tensioner Light ⇨ 4-9.

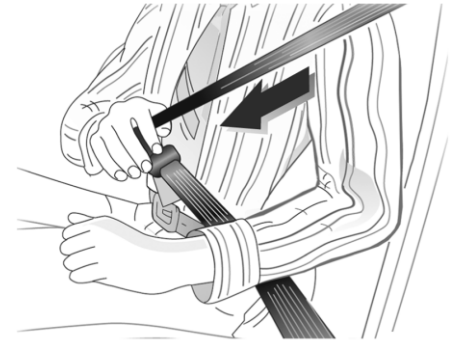
Triggered belt tensioners must be replaced by a Chevrolet Dealer. Belt tensioners can only be triggered once.

Note

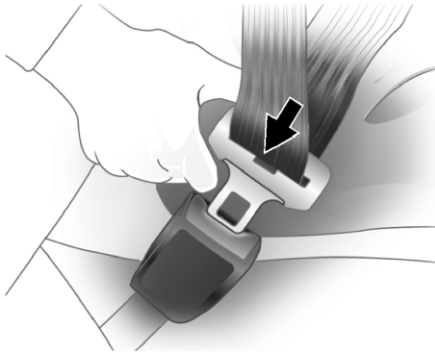
Do not affix or install accessories or other objects that may interfere with the operation of the belt tensioners. Do not make any modifications to belt tensioner components as this will invalidate the vehicle type approval.

Three-point safety belt

Fitting



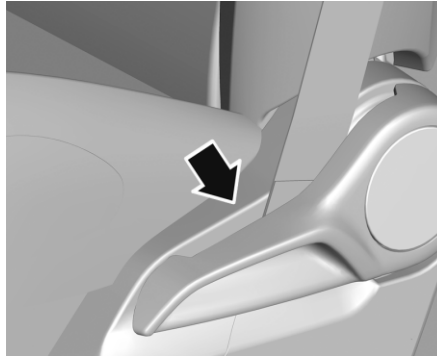
Withdraw belt from reel, guide it untwisted across the body and push the latch plate into buckle until it clicks. Tension the lap belt regularly while driving by tugging the shoulder belt.



Loose or bulky clothing prevents the belt from fitting snugly. Do not place objects such as handbags or mobile phones between the belt and your body.

⚠ DANGER!

The belt must not rest against hard or fragile objects in the pockets of your clothing.



Ensure that the seat belt webbing of the front seat is always installed in the correct position. The incorrect position of the seat belt webbing reduces occupant protection efficiency in case of a collision.



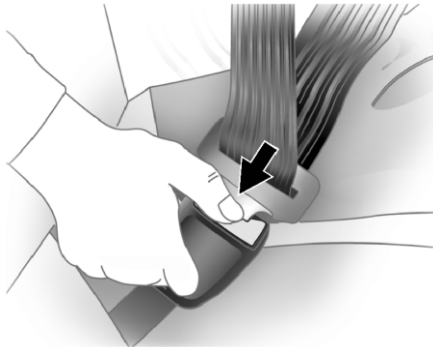
Height adjustment

1. Pull the belt out slightly.
 2. Press button.
 3. Adjust height and engage.
- Adjust the height so that the belt lies across the shoulder. It must not lie across the neck or upper arm.

⚠ DANGER!

Do not adjust the seat belt height while driving.

Removing



To release belt, press button on belt buckle. The seat belt automatically returns to the original position. If necessary, pull the belt buckle down and then release to allow the belt to be fully retracted.

Seat belt use during pregnancy



⚠ WARNING!

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

AIRBAG SYSTEM

The airbag system consists of a number of individual systems.

When triggered, the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠ WARNING!

If handled improperly, the airbag systems can be triggered in an explosive manner. The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates. For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts to minimize the risk of severe injury or death in the event of a crash. Do not sit or lean unnecessarily close to the airbag while the vehicle is in motion. The airbag may cause facial or body scratch, injury by broken glasses or burns due to the explosion when the airbag is deployed.

Note

The airbag systems and belt tensioner electronic control are located in the centre console area. Do not put any magnetic objects in this area.

Do not stick anything on the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a Dealer.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval. Have the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats removed by a Dealer.

When the airbags inflate, escaping hot gases may cause burns.

⚠ DANGER!

Never allow children, infants, pregnant women, the old and the weak to sit in the front passenger seats fitted with airbags. Do not drive with a baby seat fitted thereon. In case of an accident, the impact from the inflated airbag can cause facial injury or death.

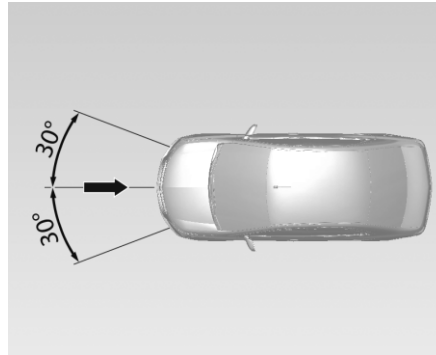
⚠ CAUTION!

If the vehicle is impacted by bumps or objects on unpaved roads or sidewalks, the airbags may inflate. Drive slowly on surfaces not designed for vehicle traffic to prevent unintended airbag deployment.

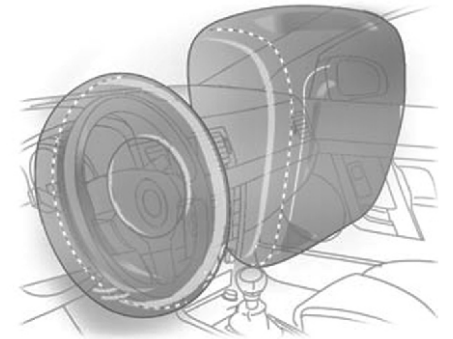
See Airbag and Safety Belt Tensioner Light ⇨ 4-9.

Front airbag system

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.



The front airbag system is triggered in the event of an accident of a certain severity in the depicted area. The ignition must be on.



The front airbags are complementary security devices, which along with the front seat belts, increase the protection of the front passengers in a front collision in a very abrupt decelerating vehicle. Its function is to protect the head and the chest against violent impact on the steering wheel or the instrument panel in accidents where the seat belts would not be enough to prevent serious injuries and/or death.

The airbag system will not deploy in a front collision with lower severity, in which the seat belt will be enough to protect the passengers. The collisions which happen on the lateral side, on the rear part of the vehicle, in rollovers and slippages and other situations of severe projection towards the front are not supposed to cause the deployment of the airbags.

It is important to stress that the velocity of the vehicle and the deceleration imposed to the occupants are determinant factors for the deployment of the airbag.

An electronic module manages the activation of the system.

The necessity for the ignition of the gas generators given will inflate the bags to cushion the contact of the front occupant with the steering wheel and the instrument panel.

The sound generated by the deployment of the airbags, through the gas generator, is not harmful to the human auditive system.

⚠ WARNING!

Optimum protection is only provided when the seat is in the proper position, see Seat Position under Seat Position ⇨ 2-3. Keep the area in which the airbag inflates clear of obstructions. Fit the seat belt correctly and engage securely. Only then the airbag is able to protect.

Important Recommendations

- Never put legs on the instrument panel. The risk of injury or fatal accidents will increase considerably.
- Never keep any object between the airbag and the seat occupants, as in the case of airbag inflation those may be thrown against the occupants, causing injuries.
- Do not install any non-original accessories in the steering wheel or the instrument panel, as

these may interfere in the airbag course at the time it inflates, thus preventing the system operation or else from them being thrown towards the occupants, resulting in injury.

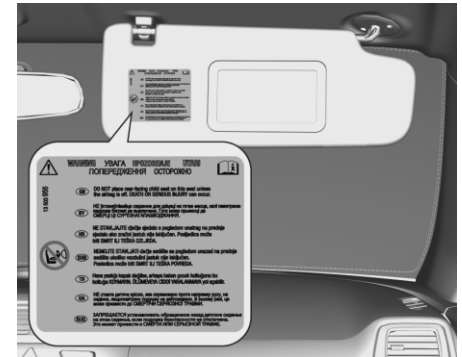
- Never modify any airbag components. The incorrect handling may cause it to inflate inadvertently, causing the driver or the seat passenger to be injured.
- The electronic system that controls the airbag is located in the front console. In order to avoid failures, do not place any magnetic object close to the console.
- In case vehicle is exposed to any floods, seek the assistance of a Dealer.
- The steering wheel and instrument panel disassembly should only be carried out in a Dealer.
- The airbag was designed to discharge only once. After discharged, it should be immediately replaced by a Dealer.
- Do not carry or keep any objects in your mouth when you are driving. If the airbag inflates, the risk of injury or fatal accident will increase considerably.
- If forwarding the vehicle to a new owner, please inform the new owner that the vehicle is featured with an airbag system and that the instructions within this manual should be read and followed.
- Disassembling a vehicle with a non-inflated airbag may be very dangerous. When discarding a vehicle seek the assistance of a Dealer.

Installing a Child Restraint System in the Passenger Seat of a Vehicle Equipped with Airbag

Vehicles equipped with an airbag system can be identified by the word AIRBAG on the self-adhesive label on the side of the instruments panel. It is visible when the passenger door is opened.

⚠ WARNING!

In vehicles equipped with Airbag in the passenger seat, the child restraint system should not be installed in the passenger seat.



⚠ WARNING!

- This vehicle was designed to provide any occupants with full safety.
- This is why chemically locked fasteners were installed on the assembly line for certain components. These fasteners should only be replaced with the original equipment fasteners with the same part number.
- Additionally, cleaning the mating part is essential to assure perfect torque and effective reaction of the physical-chemical locking compounds after the installation of any replacement fastener.
- Therefore, we strongly recommend that any servicing involving the vehicle safety systems (namely, brakes, seats, suspension, safety belts, etc.) or any service that affects these systems indirectly, should be carried out by a Dealer. For further explanation, contact your Dealer.
- Vehicles equipped with "Airbag" system has specific components, such as inflatable bags, seat belts, bumper beams, electronic items that must be only replaced by original and identical parts as those assembled by the factory.

⚠ WARNING!

Never install a frontal impact bar (bull bar) in an Airbag - equipped vehicle. This accessory can affect the operation of the Airbag system.



Airbag On-Off Switch


Front airbag system for the front passenger seat must be deactivated if a child restraint system is to be fitted on this seat. The belt pretensioners and all driver airbag systems will remain active.



The front passenger airbag system can be deactivated via a key - operated switch on the right side of the instrument panel.

Use the ignition key to choose the position:

 : front passenger airbags are deactivated and will not inflate in the event of a collision. Control indicator  illuminates continuously. A child restraint system can be installed in accordance with the chart child restraint installation locations under Child Restraint Installation Locations ⇨ 2-15. No adult person is allowed to occupy the front passenger seat while this control indicator is off.

 : front passenger airbags are active. A child restraint system must not be installed.

⚠ DANGER!

Risk of fatal injury for a child using a child restraint system on a seat with activated front passenger airbag.

Risk of fatal injury for an adult person on a seat with deactivated front passenger airbag.

CHILD RESTRAINTS

Child Restraint Systems

Child Restraint System

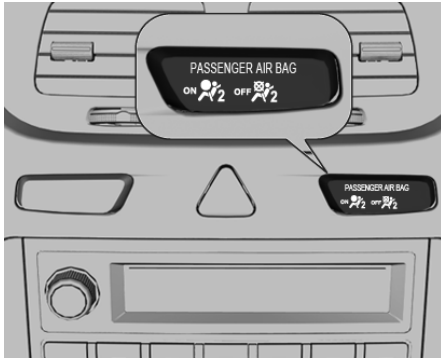
The rear seats are the most convenient location to fasten a child restraint system. Infants and children should be properly restrained by means of restraint systems, in terms of this manual.


The hips of an infant are too small and a regular seat belt will not remain in the correct place, as necessary. Instead, there is a possibility that the seat belt remains at the infant's abdomen forcing it directly and can cause serious injury in case of collision.

Child restraint systems classification

For reference, child restraints available in the market are classified based on the child's mass. Carefully observe the installation and usage instructions given by the child restraint manufacturer.

Group	Weight class
Group 0	Up to 10 kg (22 lb.)
Group 0+	Up to 13 kg (28 lb.)
Group I	9 to 18 kg (20 to 39 lb.)
Group II	15 to 25 kg (34 to 55 lb.)
Group III	22 to 36 kg (49 to 79 lb.)



As long as the control indicator  is not illuminated, the airbag systems for the front passenger seat will inflate in the event of a collision.

If both control indicators are illuminated at the same time, there is a system failure.

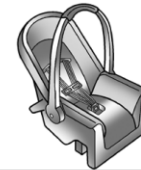
The status of the system is not discernible, therefore no person is allowed to occupy the front passenger seat. Contact a Dealer immediately.

Consult a Dealer immediately if neither of the two control indicators is illuminated.

Change status only when the vehicle is stopped with the ignition off. Status remains until the next change.

See Airbag On-Off Light (If equipped) ⇨ 4-9.

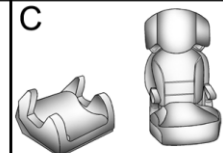
A



B



C



A) Group 0 and 0+ (Baby seat)

⚠ DANGER!

Do not place a Baby seat on a seat with activated front passenger airbag; otherwise, the airbag in case of collision may cause serious injury to the child, as the child's head would be very close to the inflating airbag.

**AIRBAG**

B) Group I (Child seat)

C) Group II and III (Booster seat)

Note

For a correct choice of the child restraint system, it is important to consider not only age and mass factors, but also the biotype of the child.

General Motors recommends using genuine GM child restraint system.

**Note**

Before acquiring a child restraint device, check if it is suitable for the seat belt and seat.

⚠ WARNING!

When carrying a child, follow the procedures for the transport of children established by the local laws.

In some countries, the use of child restraint systems is forbidden on certain seats.

Make sure that the child restraint device is installed properly. If the child seat is not properly attached, the risk of serious injury in case of collision increases.

Do not attach or place objects or other materials on the child restraint device.

Do not leave any loose object in the vehicle. During an impact, this object may cause injuries on the occupants.

After removing the child from the vehicle, keep the child restraint device attached with the seat belt, in order to avoid the device from being thrown forward in case of sudden breaking.

If it is not necessary to keep the child restraint device on the rear seat, remove it from the vehicle and store it.

After an accident, it is necessary to replace the child restraint device because it must have suffered non-visible damages.

Note

Make sure that the child restraint device:

- Is in accordance to the instructions given by the child restraint device manufacturer.
- Have the label of approval of safety regulations accomplishments, in terms of the local laws.
- Are suitable to your vehicle.

Always use the child restraint device properly installed and with the seat belt placed, even if the course is short. Check, mainly, if the seat belt is properly stretched, if it is not twisted or positioned incorrectly.

Child Restraint Installation Locations

Permissible options for fastening a child restraint system with a three-point seat belt.

Mass Group	Front Passenger Seat	On rear outboard seats	On rear center seat
0: up to 10 kg	X	U/L ¹	U ¹
0+: up to 13 kg	X	U/L ¹	U ¹
I: 9 to 18 kg	X	U/L ¹	U ¹
II: 15 to 25 kg	X	U/L ¹	U ¹
III: 22 to 36 kg	X	U/L ¹	U ¹

X: No child restraint system permitted in this position and weight class.
¹ : Move front passenger seat to the foremost position or adjust front seat backrest inclination as far as necessary to a vertical position to ensure that there is no interference between child restraint system and front seat backrest.
U: Universal suitability in conjunction with three-point seat belt.
L: Suitable for particular child restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories.

Note

Move the head restraint to uppermost position. If it interferes with the proper installation of the child restraint system, remove the headrest.

WARNING!

Extreme hazard Never use a rearward facing child restraint on a seat protected by an active airbag in front of it, death or serious injury to the child can occur.

Note

The provisions established by the laws overlaps the provisions of this Manual.

DANGER!

Never use a single seat belt which an adult and a child. During an impact, the seat belt probably exert strong pressure on the child, causing serious or fatal injury. Never allow two children sharing the same seat belt. Both could suffer serious injuries in a collision.



⚠ DANGER!

Infants and children must never be carried on the lap of another occupant. Although an infant does not weight much, it will be so heavy during a collision that it will be impossible to hold it, even if the occupant is attached to the seat belt.

Older children

Correct use of the seat belt.



To verify if a child is able to use a three-point belt, make sure the child knees fold comfortably on the edge seat, transversal belt passes on child chest (between the neck and arm), lap belt is as low as possible over the child hip.

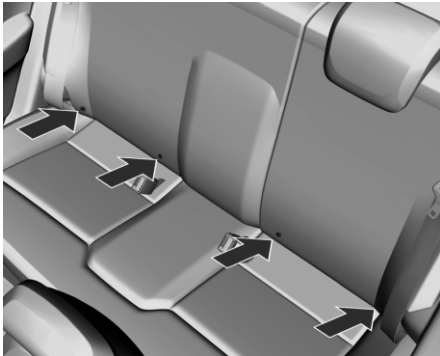
⚠ DANGER!

- Accident statistics show that the children are safer if they are in the rear seat and using seat belt in a suitable way.
- Children without seat belt can be thrown out in an accident.
- Always that a child is seated, the lap belt shall be in low position closely to hips, touching child thighs. In an accident, it applies a belt force in pelvic bones of the child.



⚠ DANGER!

This picture shows a child seated in a seat with a three-point belt used incorrectly. If a child use the belt this way, in a collision can suffer injuries and risk of fatal accident.

ISOFIX Child Restraint Systems

To install a child restraint which comes equipped with ISOFIX low anchorage attachments, follow the instructions supplied with your child restraint.

If you have any questions or doubts concerning the correct installation of your child restraint, contact the child restraint manufacturer. If you are still having trouble installing the child restraint in your vehicle, we recommend you to consult your Dealer.

Installation of ISOFIX child restraint systems:

1. Select one of the rear outboard seating positions for installation of the child restraint.



2. Locate the two lower anchor positions. The location of each lower anchor is identified with a circular marking on the lower edge of the rear seat backrest.

3. Make sure there are no foreign objects around lower anchors, including seat belt buckles or seat belts. Foreign objects can interfere with the proper latching of the child restraint to the anchors.

4. Place the child restraint on the seat over the two lower anchors and attach it to the anchors following the instructions supplied with the child restraint.

5. Adjust and tighten the child restraint according to the instructions supplied with the child restraint.

Note

Since a seat belt or child restraint system can become very hot if it is left in a closed vehicle, be sure and check the seat cover and buckles before placing a child there.

⚠ WARNING!

Use all ISOFIX low for their designed purpose only.

ISOFIX low anchorages are designed only to hold child restraints which come equipped with low anchorage attachments.

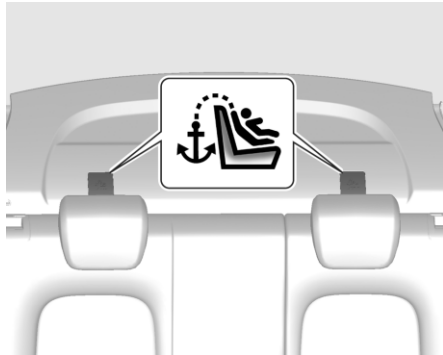
Do not use ISOFIX low anchorages to hold adult seat belts, harnesses, or other items of equipment in your vehicle.

Using ISOFIX low anchorages to hold adult seat belts, harnesses, or other items or equipment in your vehicle will not provide adequate protection in the case of a collision and could result in injuries or even death.

⚠ CAUTION!

Full size rear facing child seats may not be suitable for installation. Contact your Retailer for information regarding suitable child restraint systems.

Top Tether Child Restraint Systems



To access the Top-tether anchor points, do the following:

1. Open the cover of top tether anchorage to you can lock the TOP TETHER hooks of retention device for child.
2. Raise the head restraint and route the tether under the head restraint and in between the head restraint posts.

3. Attach the clip on the child restraint's tether strap to the Top-tether anchor, making sure to remove any twists in the tether strap.
4. Tighten the child restraint's tether strap according to the instructions supplied with the child restraint.
5. Push and pull on the child restraint after installation to be sure the child restraint is secure.

⚠ WARNING!

Make sure the clip on the child restraint's tether strap is properly attached to the Top-tether anchorage. Incorrect attachment could render the tether strap and top tether anchorage ineffective.

Admissible positions for fitting a child restraint system at vehicle anchorages

Mass Group	Size Class	Fixture	On front passenger seat	On rear outboard seats	On rear centre seat
0: up to 10 kg	E	ISO/R1	X	IL ¹	X
0+: up to 13 kg	E	ISO/R1	X	IL ¹	X
	D	ISO/R2	X	IL ¹	X
	C	ISO/R3	X	IL ¹	X
I: 9 to 18 kg	D	ISO/R2	X	IL ¹	X
	C	ISO/R3	X	IL ¹	X
	B	ISO/F2	X	IL, UF	X
	B1	ISO/F2X	X	IL, UF	X
	A	ISO/F3	X	IL, UF	X
II: 15 to 25 kg			X	IL ¹	X
III: 22 to 36 kg			X	IL ¹	X

1 : Move front passenger seat to the foremost position or adjust front seat backrest inclination as far as necessary to a vertical position to ensure that there is no interference between child restraint system and front seat backrest.

IL: Suitable for particular ISOFIX restraint systems of the 'specific-vehicle', 'restricted' or 'semi- universal' categories. The ISOFIX restraint system must be approved for the specific vehicle type.

IUF: Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight class.

X: No ISOFIX child restraint system approved in this mass group.

ISOFIX size class and seat device

A - ISO/F3 : Forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg.

B - ISO/F2 : Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.

B1 - ISO/F2X : Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.

C - ISO/R3 : Rear-facing child restraint system for children of maximum size in the weight class up to 18 kg.

D - ISO/R2 : Rear-facing child restraint system for smaller children in the weight class up to 18 kg.

E - ISO/R1 : Rear-facing child restraint system for young children in the weight class up to 13 kg.

Note

Move the head restraint to uppermost position. If it interferes with the proper installation of the child restraint system, remove the headrest.

3

STORAGE

- STORAGE COMPARTMENTS 3-2
- LUGGAGE / LOAD LOCATIONS 3-3
- INFORMATION ON LOADING THE VEHICLE 3-5
- NOTES 3-6

STORAGE COMPARTMENTS

Instrument panel storage

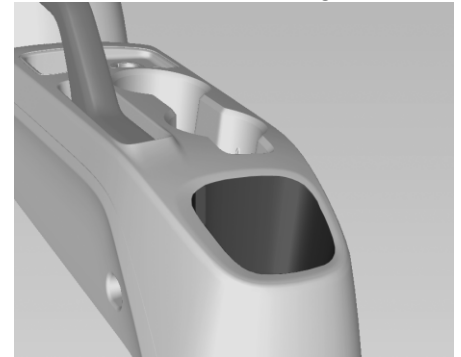


The storage spaces are located in the instrument panel. They can be used to store small articles.

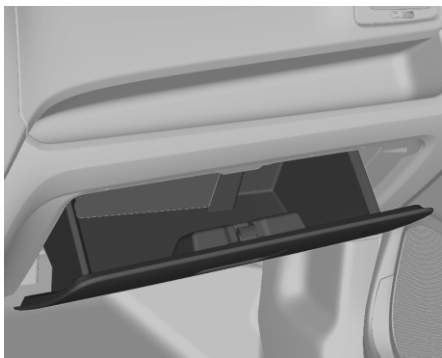


The lower storage is equipped with an USB and an AUX port (if applicable). See Auxiliary Devices (USB/Exterior Sound (AUX) Input (if equipped)) ↗ 6-29.

Central Console Storage



The central console between the front seats has a storage compartment for bigger objects.

Glove box

To open it, pull the handle.
The Owner's Manual is stored inside.

⚠ WARNING!

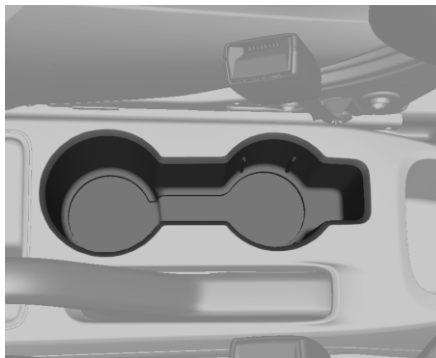
To reduce the risk of injury in an accident or a sudden stop, always keep the glovebox door closed while driving.

Cupholders

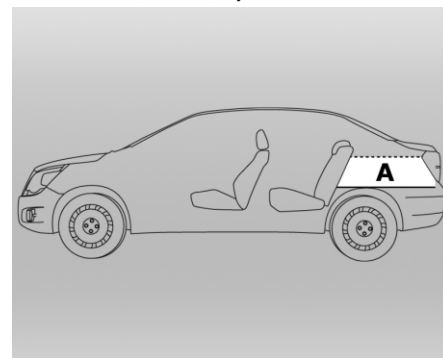
⚠ WARNING!

Do not place uncovered cups of hot liquid in the cup holder while the vehicle is in motion. If the hot liquid spills, you may burn yourself, and this could lead to loss of control of the vehicle.

To reduce the risk of personal injury in the event of a sudden stop or collision, do not place uncovered or unsecured bottles, glasses, cans, etc., in the cup holder while the vehicle is in motion.



Cupholders are located in the centre console.

LUGGAGE / LOAD LOCATIONS**Load compartment**

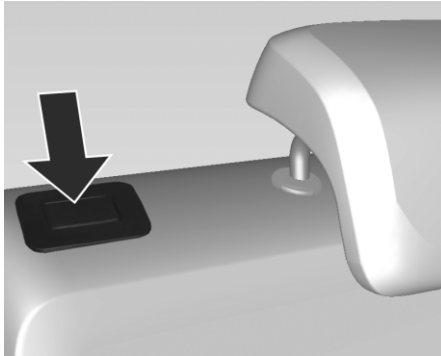
Loading Capacity (in liters)
A. Trunk (Closed luggage) – 563

Folding Down Rear Seat Backrests

The rear backrest is divided into two parts. Both parts can be folded down. Push the head restraints down by pressing the locking button.

⚠ WARNING!

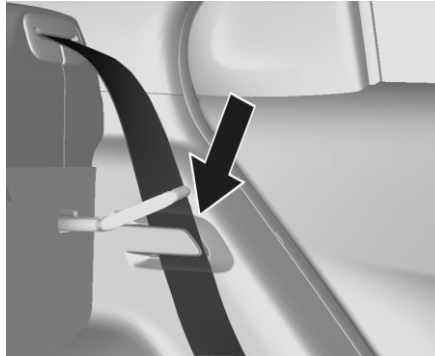
Folding a rear seat with fastened safety belts may cause damage to the seat or to the safety belts. Always unbuckle the safety belts and return them to their normal stowed position before folding a rear seat.



Press the release button on one or both sides and fold down the backrests on the seat cushion.

Folding Up Rear Seat Belts

Before folding up the seat backrests, put the seat belts of the outboard seats into the belt guides.



Fold up the backrests into the upright position and hang out the seat belts from the retaining guides.

Latch seat backrests into position by pushing at the upper part of the backrest until they engage audibly.

Pull the seat backrests forwards again to make sure they are correctly engaged.

Insert all safety belts into their slots if the seat belts are not coiled up automatically.

⚠ WARNING!

Never allow passengers to sit on top of the folded down backrests while the car is moving, as this is not a proper seating position and no seat belts are available for use.

This could result in serious injury or death in case of an accident or sudden stop.

Objects carried on the folded down backrest should not extend higher than the top of the front seats. This could allow cargo to slide forward and cause injury or damage during sudden stops.

Additional Storage Features Fire Extinguisher

A bag have to be used to store the fire extinguisher on the vehicle load compartment. The fire extinguisher can be bought on Chevrolet dealers and must be stored on the left side of the load compartment.

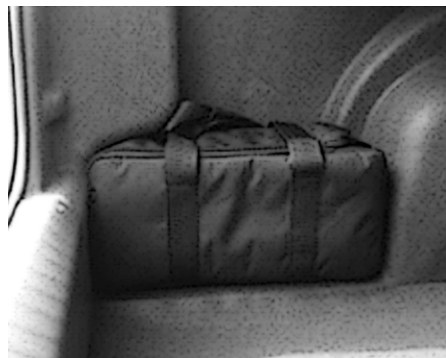
The fire extinguisher is used as follows:

1. Park the vehicle on a near safe area and turn off the engine.
2. Remove the fire extinguisher from the bag, releasing the locker.
3. Follow the fire extinguisher instructions for a correct usage.

INFORMATION ON LOADING THE VEHICLE

Note

Customers are responsible for the fire extinguisher maintenance, so an inspection have to be made during the period indicated by the producer, according to the label instructions.



- Heavy objects in the load compartment should be placed against the seat backrests. Ensure the backrests are securely engaged. If objects can be stacked, the heaviest objects should be placed at the bottom.
- Secure objects in the load compartment to prevent sliding.
- When transporting objects in the load compartment, the backrests of the rear seats must not be angled forwards.
- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
- The payload is the difference between the permitted gross vehicle weight and the kerb weight.

To calculate the kerb weight, enter the data for your vehicle in the weights table.

See Vehicle Weight ⇨ 11-5.

The kerb weight includes all fluids (tank 90% full) and does not include driver, occupants and luggage weights.

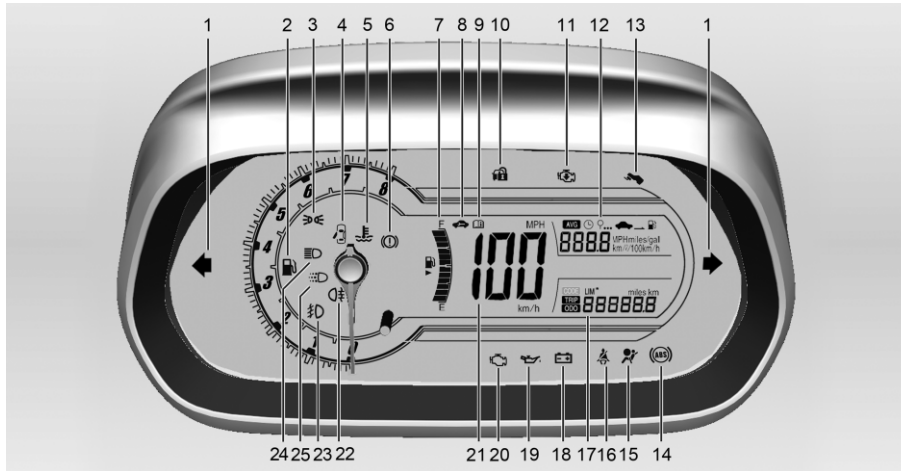
Optional equipment and accessories increase the kerb weight.

4

INSTRUMENTS AND CONTROLS

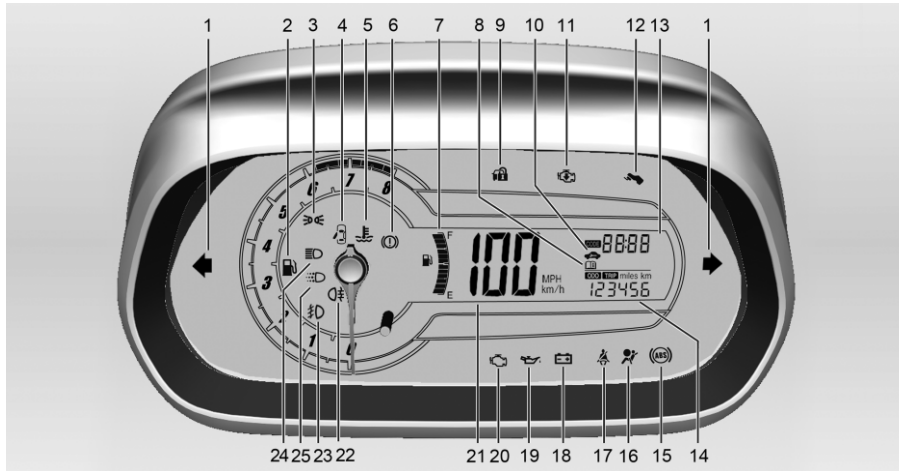
- INSTRUMENT PANEL OVERVIEW 4-2
- CONTROLS 4-4
- WARNING LIGHTS, GAUGES, AND INDICATORS 4-7
- INFORMATION DISPLAYS 4-13
- VEHICLE MESSAGES 4-15
- TRIP COMPUTER 4-16
- VEHICLE PERSONALIZATION 4-17
- NOTES 4-18

INSTRUMENT PANEL OVERVIEW



Control Indicators in the Instrument (Model A)

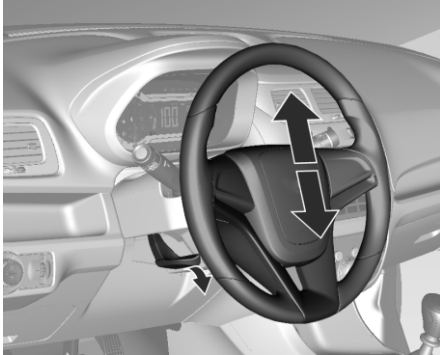
1. Turn Signal ⇄ 4-9
2. Low Fuel Warning Light ⇄ 4-11
3. Lamps On Reminder ⇄ 4-12
4. Door Ajar Light ⇄ 4-12
5. Engine Coolant Temperature Warning Light ⇄ 4-11
6. Brake and Clutch System Warning Light ⇄ 4-10
7. Fuel Gauge ⇄ 4-8
8. Service Vehicle Soon Light ⇄ 4-12
9. Using this Manual ⇄ 0-3
10. Immobilizer Light ⇄ 4-11
11. Reduced Engine Power Light ⇄ 4-12
12. Graphic Information Display (GID) ⇄ 4-14
13. Apply Footbrake Light ⇄ 4-12
14. Antilock Brake System (ABS) Warning Light ⇄ 4-11
15. Airbag and Safety Belt Tensioner Light ⇄ 4-9
16. Safety Belt Reminders ⇄ 4-9
17. Trip Computer ⇄ 4-16
18. Charging System Light ⇄ 4-10
19. Engine Oil Pressure Light ⇄ 4-11
20. Malfunction Indicator Lamp ⇄ 4-10
21. Speedometer ⇄ 4-7
22. Rear Fog Lamp Light ⇄ 4-12
23. Front Fog Lamp Light ⇄ 4-12
24. High-Beam On Light ⇄ 4-12
25. Daytime Running Lamps (DRL) Indicator Light ⇄ 4-12



1. Turn Signal ⇄ 4-9
2. Low Fuel Warning Light ⇄ 4-11
3. Lamps On Reminder ⇄ 4-12
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21. Speedometer ⇄ 4-7
22. Rear Fog Lamp Light ⇄ 4-12
23. Front Fog Lamp Light ⇄ 4-12
24. High-Beam On Light ⇄ 4-12
25. Daytime Running Lamps (DRL) Indicator Light ⇄ 4-12

CONTROLS


Steering wheel adjustment (If equipped)



Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked. Do not adjust the steering wheel unless the vehicle is stationary.

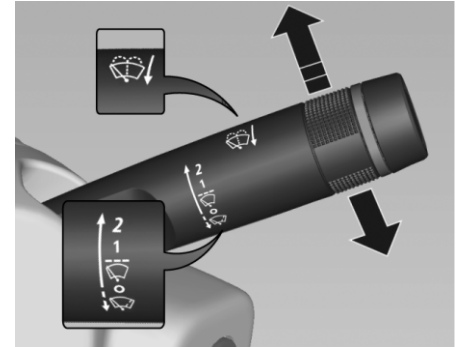
Horn



Press the  point located in the centre of the steering wheel.


Windshield wiper / washer

Windscreen wiper



2 : Fast

1 : Slow

 : Timed interval wiping

 : Off

For a single wipe when the windscreen wipers are off, pull the lever down.

Do not use if the windscreen is frozen.

Switch off in car washes.

Windscreen Washer

Pull the lever. Washer fluid is sprayed onto the windscreen and the wiper swipes for a few strokes.

⚠ CAUTION!

Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property. Do not operate the windscreen wipers when the windscreen is dry or obstructed, as with mud, snow or ice.

Using the wipers on an obstructed windscreen can damage the wiper blades, wiper motor, and glass.

Check if the blades are not frozen to the windows before operating in cold weather. Wiper operation while the blade is frozen can damage the wiper motor.

Do not operate the windscreen washer continuously for more than a few seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat.

Outside Temperature

A drop in temperature is immediately indicated in the Infotainment System in vehicles with Model A display or in the Driver Information Center in vehicles with Model B display and a rise in temperature is indicated after a time delay.

⚠ WARNING!

The road surface may already be icy even though the display indicates a few degrees above 0°C.

Clock

Date and time are shown in the infotainment display.

Date and time settings can be adjusted.

See "Time Date" in Personalization under Operation ⇨ 6-19.

If the vehicle is not equipped with the infotainment system, the date and time are displayed on the Driver information center.

See Driver Information Center (DIC) ⇨ 4-13.

Model A

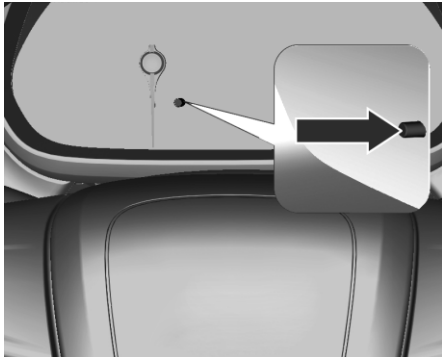
To set the time on the Model A Display, press the **MENU** button on the turn signal lever and turn the knob up or down until it is displayed.

Set Hours/Minutes : Press the **SET/CLR** knob for more than 2 seconds.

Increasing Hours/Minutes : Press the **SET/CLR** knob less than 2 seconds.

Model B

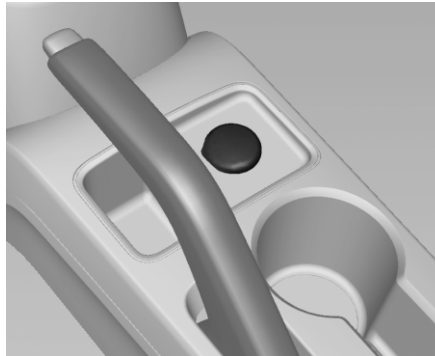
To set the time on the Model B Display, press the cluster button for less than 2 seconds, as shown in the image below.



Set Hours/Minutes : Press the cluster button for more than 2 seconds until it blinks, press again for a longer period to select the next menu.

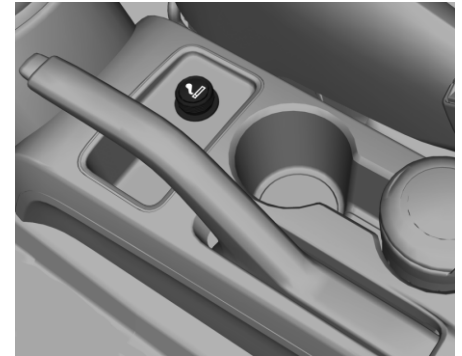
Increasing Hours/Minutes : Press the cluster button for less than two seconds, after the desired field it blinks to increase the number. Repeat it until the desired number is achieved.

Power Outlets



A 12 Volt power outlet is located in the centre console.
Do not exceed the maximum power consumption of 120 Watts.
With ignition off, the power outlet is deactivated. Additionally, the power outlet is deactivated in case of low battery voltage.

Cigarette Lighter (If available)



To operate the cigarette lighter, turn the ignition switch to ACC or ON and push the lighter in all the way.
The cigarette lighter will automatically pop out when it is ready to use.

⚠ CAUTION!

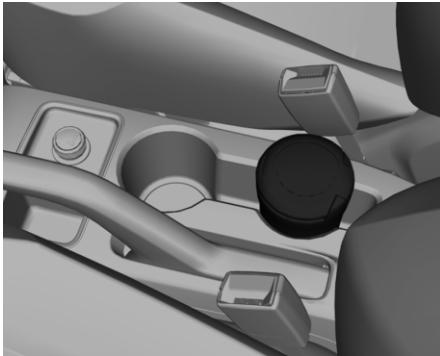
Do not connect any current delivering accessories, e.g. electrical charging devices or batteries.
Do not damage the sockets by using unsuitable plugs.

⚠ CAUTION!

Overheating the cigarette lighter can damage the heating element and the lighter itself.

Do not press the lighter while it is heating. This can cause the lighter to overheat.

Trying to operate a malfunctioning cigarette lighter can be dangerous. If the heated cigarette lighter does not pop out, pull it out and consult a Chevrolet dealer to have it repaired. It can cause injuries and damage to your vehicle.

Ashtrays (If available)**⚠ CAUTION!**

To be used only for ash and not for combustible rubbish.

The portable ashtray can be placed in the cupholders.

WARNING LIGHTS, GAUGES, AND INDICATORS**Speedometer**

Indicates vehicle speed.

Odometer

The odometer displays the recorded distance. It is possible to switch between the odometer and the trip odometer by turning the knob of the turn signal lever.

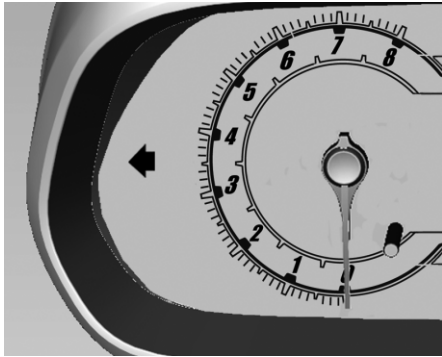
On the base level vehicle it is possible to switch between the odometer and the trip odometer by pressing the cluster button.

Trip Odometer

There is an independent trip odometer, which displays the recorded distance since the last reset.

To reset the trip odometer, select it by pressing the cluster button. After doing this press and hold the cluster button for a few seconds with the ignition on.

Tachometer



Displays the engine revolutions per minute. Drive in a low engine speed range for each gear as much as possible.

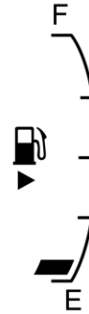
⚠ CAUTION!

If the needle is in the red warning zone, the maximum permitted engine speed is exceeded. Engine at risk.

Fuel Gauge



F or **1** : Full
E or **0** : Empty
 Displays the fuel level in the tank. Never run the tank dry. Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.



The low fuel warning light . illuminates yellow when the fuel gauge has only one indicator bar left. When **FILL FUEL** warning message appears in the Driver Information Centre (DIC), you must immediately refuel. See Driver Information Center (DIC) ↗ 4-13.

⚠ DANGER!

Before refuelling, stop the vehicle and switch off the engine.

Control Indicators

The control indicators described are not present in all vehicles. The description applies to all instrument versions. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test. The control indicator colors mean:

Red : danger, important reminder
Yellow : warning, information, failure
Green : confirmation of activation
Blue : confirmation of activation


Turn Signal



↔ flashes green

The control indicator flashes if a turn signal or the hazard warning flashers are activated. If the control indicator flashes fast, it indicates failure of a turn signal light or associated fuse. See Bulb Replacement ↔ 9-14, Fuses ↔ 9-19 and Turn and Lane-Change Signals ↔ 5-3.



Safety Belt Reminders

 for driver's safety illuminates or flashes red. When the ignition is switched on, this control indicator is activated and remains active for some seconds to remind the driver to fasten the safety belt. On vehicles without airbags, soon after the ignition is switched on or the engine is started, the control indicator begins to flash and also a chime sounds for a few seconds. Then the control indicator stops flashing and illuminates until the driver's safety belt is fastened. On vehicles equipped with airbag, soon after the ignition is switched on, the control indicator comes on and remains on while the driver's safety belt is not fastened.

When the engine is started, the control indicator flashes for several seconds, afterwards stops flashing and then remains on, while the driver's safety belt is not fastened. If the driver remains with the safety belt unfastened while the vehicle is moving, a chime sounds and the control indicator flashes for several seconds after reaching a specific distance or speed. Afterwards the flashing and chime stop, but the control indicator remains on. If the driver's safety belt is already fastened, neither the control indicator nor the chime come on. See Safety Belt Reminders ↔ 4-9.

Airbag and Safety Belt Tensioner Light





 illuminates red. When the ignition is switched on, the control indicator illuminates for a few seconds. If it does not illuminate, does not go out after a few seconds or illuminates while driving, there is a failure in the airbag system. Seek the assistance of a Dealer. The systems may fail to trigger in the event of an accident. Deployment of the belt pretensioners or airbags is indicated by the continuous illumination of .

WARNING!

Have the cause of the fault remedied immediately by Dealers.

See Safety Belts ↔ 2-5 and Airbag System ↔ 2-8.



Airbag deactivation

 illuminates yellow. The front passenger airbag is activated.  illuminates yellow. The front passenger airbag is deactivated. See Airbag On-Off Switch ↔ 2-11

DANGER!

Risk of fatal injury for a child using a child restraint system on a seat with activated front passenger airbag.
 Risk of fatal injury for an adult person on a seat with deactivated front passenger airbag.

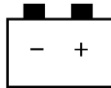
Airbag On-Off Light


 illuminates yellow. The front passenger airbag is activated.  illuminates yellow. The front passenger airbag is deactivated. See Airbag On-Off Switch ↔ 2-11

⚠ DANGER!

Risk of fatal injury for a child using a child restraint system on a seat with activated front passenger airbag.
 Risk of fatal injury for an adult person on a seat with deactivated front passenger airbag.

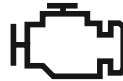
Charging System Light



 illuminates red

It illuminates when the ignition is switched on and goes out shortly after the engine starts. If it illuminates when the engine is running, stop the vehicle and switch off the engine. The battery is not charging. Engine cooling may be interrupted. Seek the assistance of a Dealer.

Malfunction Indicator Lamp




 illuminates yellow

The malfunction indicator light turns on when the vehicle detects a failure of the emission control system or important electronic sensors. If the malfunction indicator light is blinking, damage to the catalytic converter may occur. Reducing the engine speed may prevent damage to the catalytic converter and stop the malfunction indicator light from blinking. If the malfunction indicator light is on when the vehicle is being driven, the vehicle needs to be serviced by a Dealer.

Service Vehicle Soon Light



 illuminates blue.

It illuminates in combination with the control indicator  and a warning code for the message of reduced engine power when the vehicle needs service. Have the vehicle checked immediately by a Dealer. See Vehicle Messages ⇨ 4-15.

Brake and Clutch System Warning Light



 illuminates red

Illuminates when the parking brake is applied, the brake/clutch fluid level is too low or if there is a brake system failure. See Brakes ⇨ 9-12.

⚠ WARNING!

If the brake system warning light illuminates, check the brake fluid level and contact a Dealer immediately. If the brake fluid level in the reservoir is low, do not drive the vehicle. This may mean your brakes are not working properly. Driving with malfunctioning brakes can cause personal injuries and damage to your vehicle and other property.

Illuminates after the ignition is switched on if the parking brake is applied. See Parking Brake ⇨ 8-18.

Antilock Brake System (ABS) Warning Light




Illuminates for a few seconds after the ignition is switched on. The system is ready for operation when the control indicator goes out.

If the control indicator does not go out after a few seconds or illuminates while driving, there is a failure in the ABS. The brake system remains operational but without ABS regulation. See Antilock Brake System (ABS) ↻ 8-18.

Engine Coolant Temperature Warning Light



 illuminates red


This light tells you that the engine coolant has overheated.

If you have been operating your vehicle under normal driving conditions, pull off the road, stop your vehicle and let the engine idle for a few minutes.

If the light does not go out, switch off the engine and consult a Dealer.

Engine Oil Pressure Light



 illuminates red

Illuminates when the ignition is switched on and goes out shortly after the engine starts.

If it remains on, consult a Dealer.

The control indicator might flash when the engine is being heated in idle speed, but it should switch off when the engine revolutions increase. If the control indicator illuminates while the vehicle is being driven, stop the vehicle as soon as possible and switch off the engine. The lubrication system may be interrupted and may cause damage to the engine and the locking of the wheels. In this case, press the clutch pedal, place the shift lever in neutral position and switch off the ignition. When the engine is off, more force is needed to brake and steer. Consult a Dealer.

WARNING!

If the wheels are locking with the vehicle in motion, press the clutch pedal, place the shift lever in neutral for manual transmissions or in position N, for automatic transmission and switch off the ignition. A greater force will be required for vehicle braking and steering wheel moving. Consult a Dealer.

Low Fuel Warning Light



 illuminates yellow

Illuminates when level in the fuel tank is too low. Illuminates for a few seconds when the ignition is switched on.

CAUTION!

Do not let your vehicle run out of fuel. This can damage the catalytic converter.

See Catalytic Converter ↻ 8-13.

Immobilizer Light



 illuminates yellow

If the indicator continues illuminating or flashing when the ignition is on, there is a fault in the system. The engine cannot be started.

Have the cause of the fault remedied by a Dealer.

Reduced Engine Power Light



 illuminates yellow

⚠ CAUTION!

It illuminates with malfunction indication light when the vehicle needs to be serviced urgently.

The vehicle may be driven at a reduced speed. Have the vehicle immediately checked by a Dealer.


Apply Footbrake Light

 flashes yellow.

On vehicles with automatic transmission, the engine can only be started if the brake pedal is pressed and the selector lever is in either P or N position. See Selector Lever ↪ 8-14.


High-Beam On Light



 illuminates blue
Illuminated when high beam is on and during headlight flash.
See Headlamp High/Low-Beam Changer ↪ 5-2.


Daytime Running Lamps (DRL) Indicator Light




 illuminates green
It illuminates when the daytime running lights are on.
See Daytime Running Lamps (DRL) ↪ 5-3.

Front Fog Lamp Light




 illuminates green
Illuminated when the front fog lights are on.
See Front Fog Lamps ↪ 5-4.

Rear Fog Lamp Light

 illuminates yellow.
It illuminates when the rear fog light is on.
See Rear Fog Lamps ↪ 5-4.


Lamps On Reminder



 illuminates green
Illuminated when the exterior lights are on.
See Exterior Lamp Controls ↪ 5-2.

Door Ajar Light

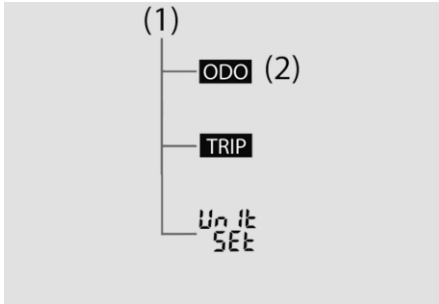


 illuminates red
It illuminates when a door or the decklid is open.
It illuminates when the ignition is switched on and goes out shortly after the engine starts.

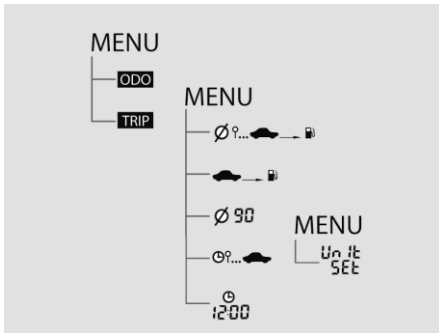
INFORMATION DISPLAYS

Driver Information Center (DIC)

The Driver Information Center (DIC) is located in the instrument cluster.



The image above illustrates the sequence of some functions of the trip computer in the Model B display.



The image above illustrates the sequence of some functions of the trip computer in the Model A display.

Model A

The **MENU** word on the image indicates that pushing the **MENU** button results the change from one sequence to the other. On the other hand if the knob in the adjuster wheel is turned, you will follow downward on the image. The **SET/CLR** button will allow you to configure the item or reset.



The following menus can be selected:

- Odometer
- Trip computer
- Unit setting



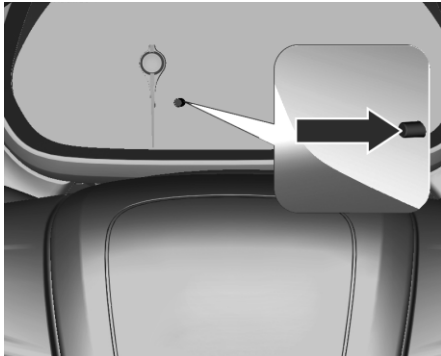
To select the menu, press the MENU button in the turn signal lever.

Each time you press the MENU button, the mode changes in the following order:

1. Odometer
2. Trip computer
3. Unit setting

See Vehicle Personalization ↻ 4-17, Odometer ↻ 4-7 and Trip Computer ↻ 4-16.

Model B



Each time you press the cluster button for less than 2 seconds, the mode changes in the following order:

1. Odometer
2. Trip odometer
3. Unit setting

By pressing the cluster button for more than 2 seconds, the respective items can be configured or reset.

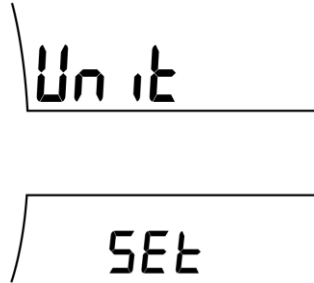
See Vehicle Personalization ↗ 4-17, Odometer ↗ 4-7, Trip Computer ↗ 4-16 and Clock ↗ 4-5

Unit setting

Model A

You can change the units of speed and temperature.

Each menu can be selected by pressing the menu button in the turn signal lever.



After selecting unit setting, press the **SET/CLR** button for a few seconds.

Turn the knob on the turn signal lever to select one of the settings.

1. Unit 1 (mph, °C)
2. Unit 2 (mph, °F)
3. Unit 3 (km/h, °C)

When changing a unit, the selected one is shown.

Press the **SET/CLR** button for a few seconds to confirm.

Model B

Press the cluster button for less than 2 seconds several times until the unit setting appears.



Press for more than 2 seconds to configure the unit settings.

Press for less than 2 seconds to select one of the settings.

1. Unit 1 (mph, °C)
2. Unit 2 (mph, °F)
3. Unit 3 (km/h, °C)


Graphic Information Display (GID)

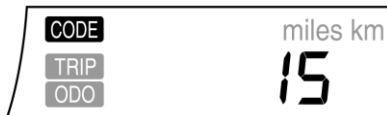
The date, time, outside temperature and infotainment system are displayed.

When the infotainment system is on, settings for vehicle personalization are displayed.

See Vehicle Personalization ↗ 4-17.

VEHICLE MESSAGES

 illuminates with the vehicle messages code. Messages are given via the Driver Information Center (DIC), or as warning chime. Depending the vehicle equipment and vehicle personalization, some of the functions described below might not be available.



CAUTION!

The vehicle or engine may get into serious damage if you keep driving while the vehicle message in the DIC is on. Contact a Dealer service immediately.

The vehicle messages are displayed as code numbers.

No	Vehicle Message
04	A/C off due to high engine temperature
15	High Mounted Brake Light Failure
16	Service brake lights
18	Left low beam failure
20	Right low beam failure
21	Left position light failure
22	Right position light failure
23	Reversing light failure
24	Number plate light failure
25	Left front turn indicator failure
26	Left rear turn indicator failure
27	Right front turn indicator failure
28	Right rear turn indicator failure
35	Replace the battery of the key's remote control
59	Open, Then Close Driver Window
60	Open, Then Close Passenger Window
61	Open, Then Close Left Rear Window
62	Open, Then Close Right Rear Window
65	Theft Attempted
66	Anti-theft alarm's failure
75	Check A/C system

79	Check the engine oil
81	Check the automatic transmission
84	Engine power is reduced
89	Service vehicle soon
94	Shift the transmission lever to position "P" (Park)
95	Airbag's failure
128	Hood open
174	Low Battery

Warning Buzzers

When Starting the Engine or While Driving

If a warning code appears in the Driver Information Center.

When vehicle is moving over than 5 Km/h with park brake applied When the vehicle has travelled approximately 1 Km (0,6 mile) with turn signal activated.

When the Vehicle is Parked and/or a Door is Opened

- The warning chime stops after a few seconds when the key is inserted into the ignition switch.
- With exterior lights on.

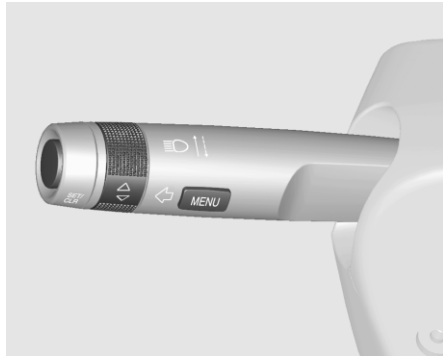
TRIP COMPUTER



If equipped

The trip computer is located in the Driver Information Center (DIC).

The trip computer provides the driver with driving information such as average speed, driving distance for remaining fuel, average consumption and driving time.



To operate the trip computer, press the **MENU** button in the turn signal lever.

Select the upper display by pressing the **MENU** button until it blinks twice.

Each time you turn the knob in the turn signal lever clockwise, the mode changes in the following order:

1. Average consumption
2. Driving distance for remaining fuel
3. Average speed
4. Driving time

Some modes can be reset by pressing **SET/CLR** button for a few seconds.

Average Consumption



This mode indicates the average consumption. The average consumption is accumulated while the engine is running, even when the vehicle is not being driven since the last time this menu item was reset.

To reset the average consumption, press the **SET/CLR** button for a few seconds.

Driving Distance for Remaining Fuel



This mode indicates the estimated driving distance to empty from the current fuel in the fuel tank.

The distance range is 30–999 km.

If you refuel with the battery disconnected or the vehicle inclined, the trip computer might not show the correct values.

When the driving distance for remaining fuel is less than 30 km, the message **FILL FUEL** will be displayed in the Driver Information Center (DIC). Refuel immediately.

The distance can be different depending on the driving patterns.

See Driver Information Center (DIC) ⇄ 4-13.

Note

As an auxiliary device, the trip computer may have differences with the actual distance for remaining fuel according to the circumstances. The driving distance for remaining fuel can be influenced by the driver, the road and the vehicle speed because it is calculated according to the changing fuel efficiency.

VEHICLE PERSONALISATION

Average Speed



This mode indicates the average speed. The average speed is accumulated while the engine is running even if the vehicle is not being driven. The average speed range is not limited. To reset the average speed, press the **SET/CLR** button for a few seconds.

Driving Time



This mode indicates the total driving time. The driving time is accumulated while the engine is running even if the vehicle is not driven. To reset the driving time to zero, press the **SET/CLR** button for a few seconds. The driving time will be initialized to 0:00 after being displayed to 99:59.

The vehicle parameters can be personalized by changing the settings in the Info-Display. Depending on vehicle equipment, some of the functions described below might not be available.

Press the **CONFIG** button when the ignition is **ON** and the infotainment system is activated. Setting menus are displayed.

To switch the setting menus, turn the **MENU-TUNE** knob of the Infotainment system. To confirm the selection, press the **MENU-TUNE** knob.

The following menus can be displayed:

- Language settings.
- Time and date settings.
- Radio settings.
- Bluetooth® settings.
- Vehicle settings.

To close or to get back to a previous page, press the **BACK** button.

Time and Date Settings

See "How to Use the Setup Menu for Personalization" in Personalization under Operation ↻ 6-20.

Radio Settings

See AM-FM Radio ↻ 6-22.

Vehicle Settings Comfort and Convenience Chime volume: Change the volume of warning chime.

Lighting

Exit lighting: Activate or deactivate the exit lighting and change the lighting duration.

Power Door Locks Auto door unlock: Change the configuration of the unlocking of all doors or only the driver's door or deactivate the auto door unlock function after the ignition key has been removed from the ignition switch (vehicles with manual transmission) / when the shift lever is moved to the P position (vehicles with automatic transmission).

Remote Lock, Unlock, Start Remote unlock feedback: Activate or deactivate the light feedback while unlocking.

Remote door unlock: Change the configuration to unlock only the driver's door or all the doors while unlocking.

Relock remotely unlocked door: Activate or deactivate the automatic door relocking function when the door is not opened after unlocking.

Return to Factory Settings

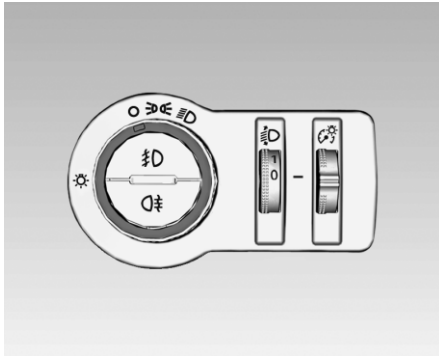
All settings are restored to the initial settings.

5 LIGHTING

-
- EXTERIOR LIGHTING 5-2
 - INTERIOR LIGHTING 5-4
 - LIGHTING FEATURES 5-6

EXTERIOR LIGHTING

Exterior Lamp Controls Light Switch

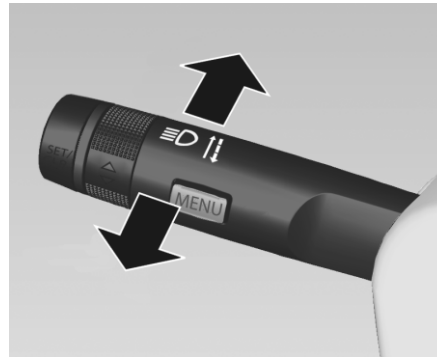



Turn light switch:

- : Off
 - ☸ : Sidelights, number plate lights and instrument panel lamps are illuminated
 - ☸☸ : Headlights
- Press light switch
- ☸☸ : Front fog lights
 - ☸☸ : Rear fog lights
- When lights are on, the control indicator ☸☸ lights up.
See Lamps On Reminder ⇨ 4-12.

Headlamp High/Low-Beam Changer

High Beam



The high beam headlights can only be turned on if the low beam headlights are on.
To change the headlights from low beam to high beam, push the turn signal lever.
The light  in the instrument panel cluster comes on if the high beam lamps are turned on while the ignition is on.
To change the headlights from high beam to low beam, pull the turn signal lever toward you.
See High-Beam On Light ⇨ 4-12.

WARNING!

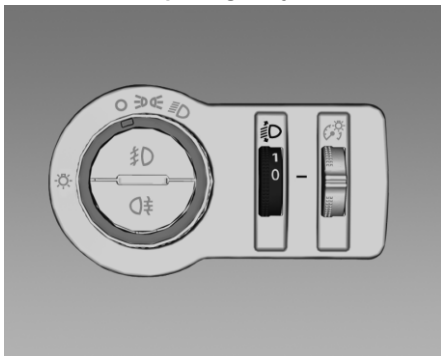
Always switch the high beam headlights to low beam when you approach oncoming vehicles or when other vehicles approach. High beam headlights can temporarily dazzle other drivers, which could result in a collision.


Flash-to-Pass



To activate the headlight flash, the headlights have to be turned on.
To activate the headlight flash, pull the lever.
The lever will return to its normal position when you release it. The high beam lamps will stay on as long as you hold the lever towards you.

Headlamp Range Adjustment



To adapt headlight range to the vehicle load to prevent dazzling, turn knob  to required position.

0 : front seats occupied

1 : all seats occupied

2 : all seats occupied and load compartment laden

3 : driver's seat occupied and load compartment laden


Daytime Running Lamps (DRL)


Daytime running light increases visibility of the vehicle in the daytime.


Tail lights are not on.

Hazard Warning Flashers



Operated with the  button.

On : Press 

Off : Press  again.

When the hazard warning flashers are activated, the red surface on the button also flashes.

In case of deployment of the airbag, the hazard warning flashers activate automatically.

To turn off the flashers, press the button again.

Turn and Lane-Change Signals



Lever Up : Right indicator

Lever Down : Left indicator

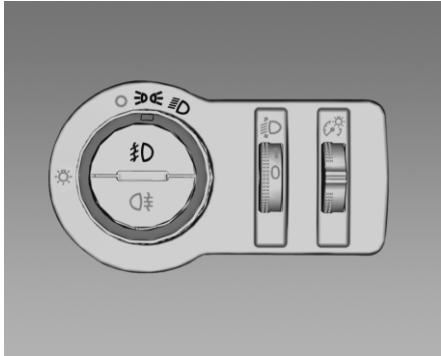
If the lever is moved past the resistance point, the indicator will remain on. When the steering wheel moves back, the indicator is automatically deactivated.


For some flashes, e.g. when changing lanes, press the lever until a resistance is felt and then release.

Move the lever to the resistance point and hold for longer indication.

Switch the indicator off manually by moving the lever to its original position.

Front Fog Lamps

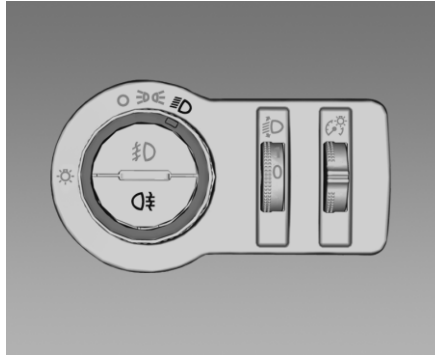




Operated with the  button.
To turn off, press the button again.

Note

To operate the front fog lights, the ignition must be turned on and position lamps or headlamps must be activated.
See Front Fog Lamp Light ↪ 4-12.

Rear Fog Lamps



Operated with the  button.
The rear fog lights can be activated when the switch is in position  or when the front fog lights are on.

Reversing Lamps

The reversing lights come on when the ignition is on and reverse gear is selected.

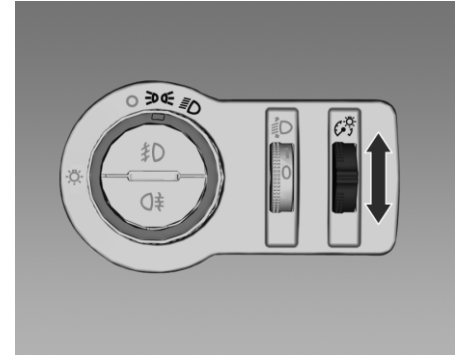
Misted Lamp Covers

The inside of the light housing may mist up briefly in poor, wet and cold weather conditions, in heavy rain or after washing.
The mist disappears quickly by itself. Switch on the headlights to help.

INTERIOR LIGHTING

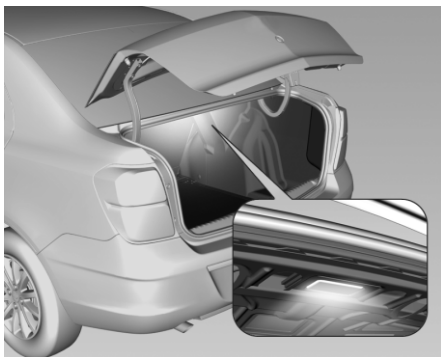
Instrument Panel Illumination

Control



The instrument panel illuminates when the ignition is switched on.
Brightness can be adjusted when the exterior lights are on.
Turn the thumbwheel up or down until the desired brightness is obtained.

Load Compartment Lamps





The lighting switches on when the decklid is opened, and switches off automatically when the decklid is closed.


Courtesy Lamps



Operate rocker switch:

 : Automatically fade in and out by opening the doors, the release of the key from ignition and a command from remote control to unlock the doors.

 : Always on.

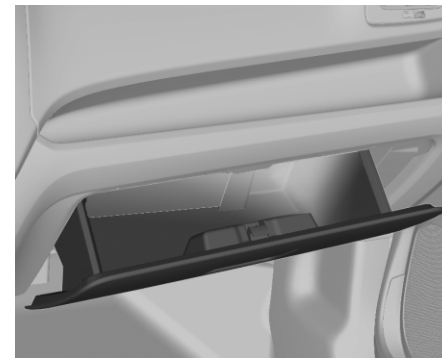
 : Always off.

WARNING!

Avoid using the courtesy light while driving in the dark.

A lit passenger compartment reduces visibility in the dark, and could cause a collision.

Glove Box Lamps



The light goes on when the glove box is opened and goes out when it is closed.

LIGHTING FEATURES

Entry Lighting

Entrance Lighting

Some interior lights and switches will additionally switch on when driver's door is opened.

Rear Ground Illumination

License plate lights are switched on for a period when the decklid is opened through the remote control.

Exit Lighting

The headlights illuminate the surrounding area for an adjustable time after leaving the vehicle.

Switching On

Activation, deactivation and duration of lighting of this function can be changed in the Vehicle Settings.

See "Vehicle Settings" in Vehicle Personalization ↻ 4-17.

The exit lighting in the standard setting remains activated 30 seconds after the driver's door has been closed.

1. Switch off the ignition.
2. Remove the ignition key.
3. Open the driver's door.
4. Pull the turn signal lever.
5. Close the driver's door.

The lighting is switched off immediately if the turn signal lever is pulled again.

Battery Power Protection

Switching Off Electric Lights

To prevent discharge of the battery when the ignition is switched off, some interior lights are switched off automatically after some time.

6

INFOTAINMENT SYSTEM

- INTRODUCTION 6-2
- RADIO 6-6
- INTRODUCTION 6-18

- RADIO 6-22
- AUDIO PLAYERS 6-27
- PERSONALIZATION 6-35

INTRODUCTION

General information

The Infotainment system provides Infotainment in your car, using the latest technology.

The radio can be easily used by registering up to 24 AM-FM radio stations with the – (preset) buttons 1 ~ 4 per every six pages.

The USB player can play connected USB storage devices or iPod products.

The function of the Bluetooth phone connection allows for the use of wireless hands-free phone calls, as well as a phone music player.

Connect a portable music player to the exterior sound input and enjoy the rich sound of the Infotainment system.

The digital sound processor provides a number of preset equalizer modes for sound optimization.

Specifications

- Maximum output power: 25 W x 4 channels
- Speaker impedance: 4 ohms. The system can be easily adjusted with the carefully designed adjusting device, smart display and multifunctional menu dial regulator.
- The "Overview" section provides a simple overview of the Infotainment system's functions and a summary of all regulatory devices.
- The "Operation" section explains the basic controls for the Infotainment system.

Theft-Deterrent Feature

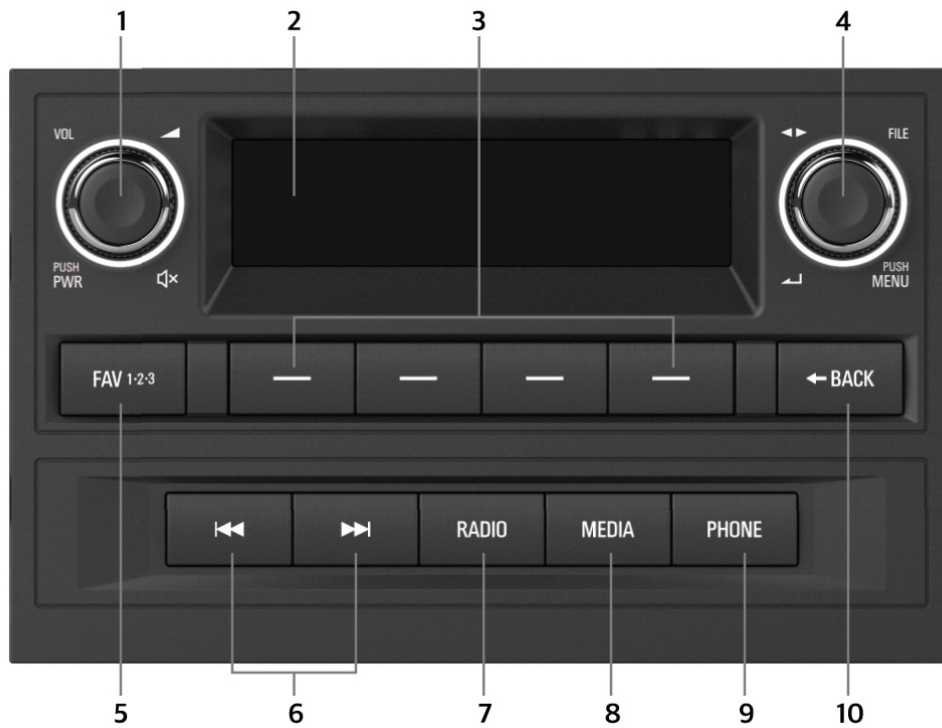
The Infotainment system is equipped with an electronic security system for the purpose of theft deterrence.

The Infotainment system therefore functions only in your vehicle and is worthless to a thief.

IFETEL Statement

Operation of this equipment is subject to the following two conditions:

1. this device or device may not cause harmful interference, and
2. this device or device must accept any interference, including interference that may cause undesired operation



Overview

1. POWER [⏻]

- When power is off, press to turn power on.
- When power is on, press and hold to turn power off.
- When power is on, press shortly to turn the mute function on or off.
- Turn to control volume.

2. Display

Display for Play, Reception, Menu state and information

3. -Preset buttons

- In Radio mode:
 - When pressed shortly, recall the stored radio station.
 - When pressed and held, store the current radio station to the Favorites page.
- In Menu mode:
 - Press any of **these buttons** to select the function linked to that button.

4. MENU

- Turn to search the station/file on the list screen or move/change setup content or setup values.
- Press MENU to display the currently functioning menu or select/practice setup content and setup values.

5. FAV (favorites)

Press FAV to select the page of saved favorite channels

6. ◀◀ SEEK ▶▶ buttons

- In Radio mode:
 - When pressed shortly, automatically seeks station with superior reception.
 - When pressed and held, continuously changes the station until ◀◀ or ▶▶ is released.
 - When releasing, system seeks the next station.
- In USB/iPod/Bluetooth audio playback
 - When pressed shortly, move to the previous or next file. When pressed and held, rewind or fast forward the file.

7. RADIO

Select Radio mode. Each time RADIO is pressed, the system switches between AM RADIO → FM RADIO → AM RADIO →

8. MEDIA

Press MEDIA to enter the AUX mode.

9. PHONE

Press PHONE to enter the phone application mode.
When iPhone is connected, press and hold to enter the Siri function

10. BACK

Cancel input content or return to the previous menu

Operation

Buttons and controlling device

the Infotainment system is operated by using the function buttons, multifunctional dial, and the menu indicated on the screen display. the buttons and control devices used in the system are the following:

- the Infotainment system buttons and dials
- the Steering wheel audio remote control buttons

System on/off



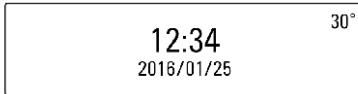
Press ⏻ to turn the power on.

When the power is off, pressing ⏻ will turn the power on and play a radio broadcast.

Automatically turn power on

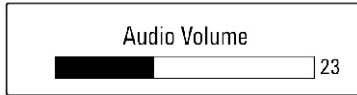
- When a call is received or initiated, the power is turned on and the action is carried out. If this action is ended, system will automatically turn power off.
- When pressing an HVAC (Heating, Ventilation, and Air Conditioning) related button, system will turn power on and operate this action. If no

action is taken within 5 seconds, the system will automatically turn power off.



Press and hold **⏻** to turn the power off. When the System is turned off, the time and date are displayed.

Volume control



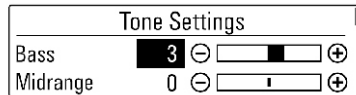
- Turn **⏻** to control the volume.
- Using the Steering wheel audio remote control, press **+** **⏻** to control the volume.
 - Available volume range : 0 ~ 63.
 - When the volume is turned down to zero, this is not equivalent to mute mode.
 - Turning on the Infotainment system power will set the volume level to its previous selection (when it is less than the maximum starting volume).

Mute control

- Press **⏻** to turn mute on.
- Mute symbol **⏻** will display in the status field and mute the sound.
 - Press **⏻** again or turn **⏻** to restore sound.
 - In USB/iPod, Bluetooth music and MTP mode, when the system is set to mute, playback is paused.

Tone settings

- Press **TONE** to enter the Tone Settings screen.
- Or press **MENU** > select **Settings** > select **Tone Settings** to enter the Tone Settings screen.



- Turn **MENU** to select the Tone Settings mode. Use **MENU** to switch between Bass ↔ Midrange ↔ Treble ↔ Fade ↔ Balance ↔ EQ.
- Highlight the desired tone setting option and press **MENU** to be able to change its current value.
- Turning **MENU** will change the tone setting value and the changes will be reflected in the bar graphic on the display. Press **MENU** to store the new setting and return to the Tone Settings screen.

Tone setting menu

- **Bass** : Sets the bass sound level.
- **Midrange** : Sets the middle sound level.
- **Treble** : Sets the treble sound level.
- **Fade**(if equipped fade speaker) : Sets the sound fade between the front and rear speaker.
- **Balance** : Sets the sound balance between the right and left speaker.
- **EQ** : Sets one of the 7 EQ styles (Custom, Pop, Rock, Country, Jazz, Talk, Classical).
- The tone settings values range between -12 and +12.

The settings for Bass, Midrange, Treble, and EQ can be set differently for each mode (FM/AM/USB/MTP/iPod/Bluetooth music).

However, the Fade and Balance settings are common to all modes.

Select function

AM-FM radio



RADIO

AM-FM Radio

Listening to radio station Selecting the radio mode



Press **RADIO** repeatedly to switch between AM RADIO → FM RADIO → AM RADIO →

- The previously chosen broadcasting station will be received.
- When changing Radio mode/band by pressing **RADIO**, the system displays radio intro view firstly.
- The playing screen contains the data elements related to the broadcast audio source.

Station search

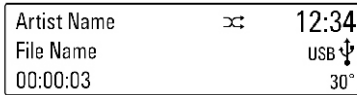
Press **◀** or **▶** to automatically search for radio station with superior reception. Pressing and holding **◀** or **▶** continuously changes the station until **◀** or **▶** is released. After the release, the system seeks for the next station.

Tuning a radio station manually

Turn **MENU** to manually find the desired broadcasting frequency.

Press **RADIO** to select the AM or FM function. Press **MENU** to open the AM or FM menu that includes options for selecting broadcast stations.

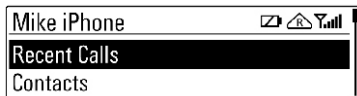
USB/iPod/Bluetooth music or exterior sound (AUX: if equipped) input play



Press **MEDIA** to select the desired audio player functions.

Press **MENU** to open the menu with options for the relevant function or the menu of the relevant device.

Bluetooth hands-free phone device



Press **PHONE** to enter the Bluetooth hands-free phone function.

Storing favorites

Repeatedly press **FAV** to select the desired page of stored favorites.

Press and hold any of - to store the current radio station to that button of the selected Favorites page.

- Up to 6 Favorites pages can be stored, and each page can store up to four radio stations.
- It is possible to setup the number of the Favorites pages being used in Menu → Set Number of Favorite Pages.
- If a new radio station is stored to a - (preset) button previously stored, its previous content will be deleted and replaced with the new radio station that is stored.
- The maximum number of Favorites that a user can store is 24.

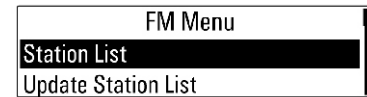
Selecting presets

Repeatedly press **FAV** to select the desired FAV preset page.

- The broadcasting information of the selected FAV preset page will be displayed.

Press a - to directly listen to the radio station stored to that button.

Waveband menus



While listening to the radio, press **MENU** to enter the AM or FM menu.

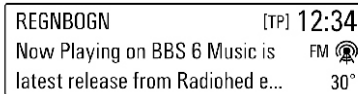
Turn **MENU** to move to the desired menu item, and then press **MENU** to select the relevant item or to enter the item's detailed menu.

AM-FM menu

- **Station list** : Selects a station in the list of strong stations.
- **Update station list** : Automatically searches and saves receivable frequencies to the Station List.
- **Manual tuning** : Briefly turn the dial to move to the previous/next frequency.
- **Set number of favorites page** : Set the number of Favorites pages.

Radio Data System (RDS) (only for RDS service region)

The Radio Data System (RDS) is a service by FM stations that considerably makes it easier to find radio stations with fault-free reception.



RDS stations are indicated by the program service name instead of the broadcasting frequency.

When TP is on, the search will only include TP

supported stations or stations with EON-TA support.

When TP is off, the search will include all available stations.

The basic operation such as tuning/seeking the stations and storing/selecting presets is the same as for AM or FM.

Please refer to the AM or FM section for more information.

Adjust the RDS menu (if available)

While listening to the radio, press MENU to enter the FM menu.

Turn MENU to move to the desired menu item, and then press MENU to select the relevant item or to enter the item's detailed menu.

- **Traffic program (TP)** : Turn the TP feature on or off. When TP is turned on in the FM menu, the system will initiate a TP search in order to tune to the strongest available TP station.
- **RDS** : Turn the RDS feature on or off. When RDS is turned on, the program service name of the current station appears instead of its frequency. When RDS is turned off, the RDS Text will be switched off, the alternate frequency feature will not function, and the frequency will be displayed in the place of the PSN (PS name).
- **Region** : Turns the Region feature on or off.
- **Only alternative frequencies with the same regional programs are selected.**
- **Categories (FM category)** : Selects a station from the list.

The list is displayed in the order of Information → Pop → Rock → Classical → Music → All.

Volume of the traffic announcements (TA: if available)

While the Traffic Alert is playing, the Traffic alert volume can be adjusted by turning P. The system will store this setting for future traffic alerts.

- Once an alert is completed, the system volume returns to its previously set level prior to the traffic alert.
- If the traffic alert volume is set to zero during an alert, the next traffic alert will arrive at the minimum connection volume level.

Radio traffic service (if available)

(TP: Traffic Program)

Radio traffic service stations are RDS stations that broadcast traffic news.

Press MENU > turn MENU to select TP > press MENU to turn the TP feature on or off.

- If the current station is not a radio traffic service station, then a search is automatically started for the next radio traffic service station.
- Once a radio traffic service station has been found, "TP" is displayed in the display screen.
- If the radio traffic service is switched on, then it is interrupted for the duration of the traffic announcement in all modes.

Blocking out traffic announcements

If a traffic alert comes in while listening to an audio source, the system will display the Traffic Alert Pop-up. The pop - (TP : Traffic Program)

- If a Traffic Alert pop-up is displayed, the Traffic Alert pop-up can also be dismissed by Radio, MEDIA or - (Cancel).
- If a Traffic Alert pop-up is displayed when an external device is connected, the system does not read the device.
- If a Traffic Alert pop-up is displayed while a call comes in or is initiated, the call is received or made.
- If the above phone event is ended, the system will cancel the TA event, and then go back to the latest radio mode.

Auxiliary Devices

USB player

Cautions for using USB devices

- Operation cannot be guaranteed if the HDD built-in USB mass storage device or CF or SD memory card is connected by using a USB adaptor. Use a USB or flash memory type storage device.
- Take caution to avoid static electricity discharge when connecting or disconnecting the USB. If connection and disconnection are repeated many times in a short time, this may cause a problem in using the device.
- Operation is not guaranteed if the connecting terminal of the USB device is not metal.
- Connection with i-Stick Type USB storage devices may be faulty due to vehicle vibration, so their operation cannot be guaranteed.
- Be careful not to touch the USB connecting terminal with an object or any part of your body.
- The USB storage device can only be recognized when it is formatted in FAT16/32 file format. Only devices with an allocated unit size of 512 byte/sector or 2,048 byte/sector can be used. NTFS and other file systems cannot be recognized.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognize the files may differ. This is not a problem with the product in this case, so please wait for the files to be processed.
- Files in some USB storage devices may not be recognized due to compatibility problems, and connections with a memory reader or a USB hub are not supported. Please check the device's operation in the vehicle before use.
- When devices such as an MP3 player or digital camera are connected through a mobile disc, it may not operate normally.
- Do not disconnect the USB storage device while it is being played. This may cause damage to the product or the performance of the USB device.
- Disconnect the connected USB storage device when the vehicle ignition is turned off. If the ignition is turned on while the USB storage device is connected, the USB storage device may be damaged or may not operate normally in some cases.

Caution: USB storage devices can only be connected to this product for the purpose of playing music files.

The product's USB terminal should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the product.

- When the logical drive is separated from a mass USB storage device, only the files from the top-level logical drive can be played as USB music files. This is the reason that the music files to be played should be stored in the top-level drive of the device. Music files on particular USB storage devices may also not be normally played if an application is loaded by partitioning a separate drive inside the USB device.
- Music files to which DRM (Digital Right Management) is applied cannot be played. This product can support USB storage devices that are up to 16 Gigabytes in capacity with a limit of 6,000 files, 100 folders, and 8 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit. If the device loading time takes longer than usual, use after formatting the USB into FAT16/32 format.

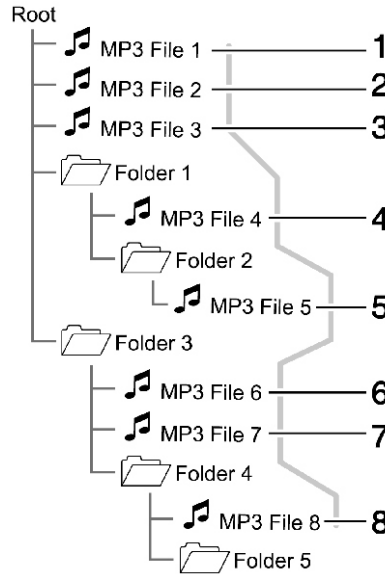
Caution for using USB music files

- Damaged music files may be cut-off during playback or may not be played at all.

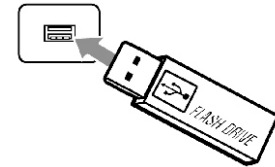
About MP3 (WMA) music files

- The MP3 files that can be played are the following:
 - Bit rate : 8 kbps ~ 320 kbps
 - Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1) 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
- This product displays MP3 (WMA) files with the mp3, .wma (lower case letters) or .MP3 or .WMA (capital letters) file name extensions.
- This product can display about artist, song name or file name for MP3 files.
- This product can play MP3 files which use VBR. When a VBR type MP3 file is being played, the remaining time displayed may be different from the actual time remaining.

Order of playing music files



Connecting the USB storage device



Connect the USB storage device in which music files are stored to the USB connection terminal.



If a non-readable USB storage device is connected, an error message will appear and the product will automatically switch to the previously used function or the FM radio function.

If the USB storage device to be played is already connected, repeatedly press **MEDIA** to select the USB player.

- It will automatically play from the previous playing point.

- If there is no device connected, “**No Media Available**” will be displayed with a DISMISS and PAIR option on the display screen.
- The information displayed includes the file name, folder name, and ID3 Tag information saved with the song. If incorrect ID3 Tag information (e.g. artist, song title) was added to MP3 (WMA) files before they were burnt to a disc, this information will be displayed as is by the Infotainment system. Incorrect ID3 Tag information cannot be modified or corrected on the Infotainment system (ID3 Tags can only be corrected on a PC). The information for songs expressed in special symbols or in unavailable languages may be displayed as “*****” or are not displayed at all.

Ending USB music files playback

Press **RADIO** or **MEDIA** to select other functions.

Selecting playing file

While playing, press ◀◀ or ▶▶ to select the previous or next file.

Using the Steering wheel audio remote control, files can be easily changed by pressing◀◀or▶▶. Turn MENU to move the desired file in the file list, and then press MENU to instantly change it.

Fast-forwarding and re-winding the file

While playing, press and hold ◀◀ or ▶▶ to rewind or fast-forward through the song until released.

Once released, the file will begin playing at normal speed.

Using the USB menu

While playing the file, press **MENU** to enter the USB Menu.

Turn **MENU** to move to the desired menu item, and then press **MENU** to select the relevant item or to enter the item’s detailed menu.

- **Folder View** : Enter the Folder View mode, and move to the previous or next folder.
- **Shuffle** : Turn the shuffle feature on or off.

Browsing/indexing device

- Browsing is not supported until indexing is completed for the connected device.
- If the browse function is selected during the indexing process, a pop-up “**Feature not supported during Indexing Use folder view to browse contents**” will display.
- When a single device with greater than 6,000 songs is connected, a pop-up “**Media indexing memory full Use folder view or remove other device**” will display.

Using the Media transfer protocol (MTP) menu

Charge Only : Select the charge option for the MTP device. The MTP device will be charged, and the system will show the pop-up message, when it is connected.

- When the Charge Only option is selected in the Media Transfer Protocol (MTP) Setting

Menu, the audio source is not changed and the connected device is only charged.

- If you change to USB mode while charging the device, a Charge message with charging activity indicator is shown on the display screen. In this case, the system will not start indexing the files on the device.
- Charging may not be supported by some MTP devices.

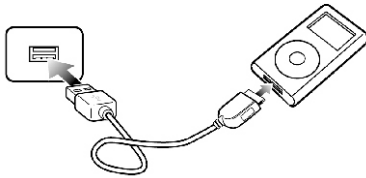
Scan Music Folder Only : Select the Music Folder Scan option for the MTP device. The system can display the Artist Name/Song Name/Elapsed Time regarding the current song and access the playlist on the MTP device.

Scan All Folder : Select the All Folder scan option for the MTP device.

- The device indexing time takes longer than the setting of Scan Music Folder Only. It depends on the smartphone and the files/folders on the smartphone.
- With some phones featuring Media Transfer Protocol (MTP), music search can take a long time.
- If the phone screen is locked, you cannot search for music. To access music on the phone, unlock the phone screen.
- If you connect the abnormal device, the system may not properly operate.

iPod player

Connecting iPod player



Connect the iPod device in which the music files are stored to the USB connection terminal. Some iPod/iPhone product models may not be supported.

If you connect the abnormal device, the system may not properly operate.

Only connect the iPod to this product with connection cables supported by iPod products. Other connection cables cannot be used.



- Once the product finishes reading the information on the iPod device, it will play automatically.
- If a non-readable iPod device is connected,

then the relevant error message will appear and the product will automatically switch to the previously used function or the FM radio function.

If the iPod playback is already connected, repeatedly press **MEDIA** to select the iPod player.

- It will automatically play from the previously played point.
- The playback functions and the information display items of the iPod player used with this product may be different from the iPod in terms of play order, method, and the information displayed.

Afterwards, the functions to play the iPod are operated similarly to USB playback.

Ending iPod playback

To end playback, press **RADIO** or **MEDIA** to select other functions.

Using the iPod menu

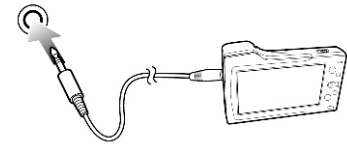
While playing the file, press **MENU** to enter the Menu iPod.

Turn **MENU** to move the desired menu item, and then press **MENU** to select the relevant item or to enter the item's detailed menu.

- **Browse "Device Name"** : Selects a list item in the list of browse names such as Playlists, Artists, Albums, Tracks, Genres, Audio Books, and Composers.
- **Shuffle** : Turn the shuffle feature on or off.

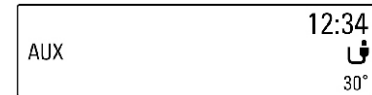
AUX input (if equipped)

Connecting an exterior sound device



Connect the audio output of the external audio equipment to the AUX input terminal.

- The Infotainment system will automatically switch to the exterior sound (AUX) input mode when the exterior sound device is connected.



Press **MEDIA** to switch to the exterior sound input mode if the exterior sound system has already been connected.

Turn to adjust the volume.

How to use the Settings menu for personalization

- Settings menus and functions may differ according to car model.
- The settings menu comprises a detailed list for the relevant setup menu or functioning state.
- If there is another detailed list from the relevant detailed list, you can repeat this action.

Select Settings in the Menu > turn **MENU** to move to the desired menu item > press **MENU** to enter the item's detailed menu.

Setting the time and date

Set time : Manually set the hours and minutes for the current time.

- Select the Set Time in the Time and Date menu to enter the respective submenu.
- Press – to select the Time format 12HR or 24HR.
- Turn **MENU** to change the hour, and then press **MENU** to move to the Minute Setting.
- Turn **MENU** to change the minute, and then press **MENU** to move to the AM or PM Setting.
- Turn **MENU** to select the AM or PM, and then press **MENU** to finish the Time Setting. When **MENU** is pressed, the Time and Date menu is automatically displayed.

Set date : Manually set the current year, month or date.

Select the Set Date in the Time and Date menu to enter the respective submenu.

Press – to select the Date format. The format

shows:

DD/MM/YYYY : 15. Oct. 2016

MM/DD/YYYY : Oct. 15. 2016

YYYY/MM/DD : 2016. Oct. 15

- Turn **MENU** to change the Month, and then press **MENU** to move to the Day Setting.
- Turn **MENU** to change the Day, and then press **MENU** to move to the Year Setting.
- Turn **MENU** to change the Year, and then press **MENU** to finish the Date Setting. When **MENU** is pressed, the Time and Date menu is automatically displayed.

Set time and date automatically.

Press – to select the Time setting mode in the Set Time menu.

- **Off (Manual)** : Activates manual mode.
- **On-Cell Network** : Set the Cell Network clock synchronization feature on or off.
- **On-RDS** : Set the RDS clock synchronization feature on or off.

Setting the tone

- For details, see page 7.

Setting the auto volume

Auto Volume adjusts the volume of the audio based on the speed or ambient noise of the vehicle.

- **Off** : Auto Volume does not act.
- **Low** : A lower range volume curve is used to adjust audio volume with changes in vehicle speed.

- **Medium-Low** : Medium-Low will adjust Auto Volume to approximately the range between low to medium respectively.
- **Medium** : A middle range volume curve is used to adjust the audio volume with changes in vehicle speed.
- **Medium-High** : Medium-High will adjust Auto Volume to approximately the range between medium to high respectively.
- **High** : A more aggressive volume curve is used to adjust the audio volume with changes in vehicle speed.

Setting the maximum startup volume

Manually set maximum limit for the start-up volume.

Setting the language

Turn **MENU** to select the Vehicle Settings in the Settings menu > press **MENU** > turn **MENU** to select Languages > press

MENU to enter the item's detailed menu.

Select the desired language for displaying.

Return factory settings

Turn **MENU** to select the Vehicle Settings in the Settings menu > press **MENU** > turn **MENU** to select Return to Factory Settings > press **MENU** to enter the item's detailed menu.

Restore all settings to the default settings.

Software information

Turn **MENU** to select Vehicle Settings in the Settings menu > press **MENU** > turn **MENU** to select Software Information > press **MENU** to enter the item's detailed menu.

Shows the current Software version.

Valet Mode

This will lock the infotainment system and steering wheel controls. It may also limit access to vehicle storage locations (if equipped).

To enable Valet mode, enter a four-digit code and select **Enter** by using the **TUNE** dial > Re-enter the four-digit code.

Select **Lock** or **Unlock** to lock or unlock the system.

Bluetooth

About Bluetooth

About Bluetooth wireless technology

- Bluetooth® Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported by PCs, external devices, Bluetooth® phones, PDAs, various electronic devices, and automotive environments, Bluetooth® Wireless Technology transmits data at high speed without having to use a connector cable.
- Bluetooth® Hands-free refers to a device which allows the user to conveniently make phone calls with Bluetooth® mobile phones through the multimedia system.
 - Reboot this unit and try again.
 - Delete all paired devices, pair and try again.
- The hands-free call volume and quality may differ depending on the mobile phone.
- Pairing Bluetooth devices and the use of Bluetooth features are not supported when the vehicle is in motion. Please park your vehicle first.
- The process of downloading contacts may differ depending on the mobile phone. In case of events not described within this manual, see the mobile phone manufacturer's user guide.
- As a Bluetooth wireless connection can have a range of up to 10 meters, your Bluetooth device may automatically connect to the system even if the device is not inside the vehicle. Please consider this, especially when pairing or connecting Bluetooth devices to the Infotainment system when other Bluetooth devices may be within range.
- This unit uses the latest Digital Noise & Echo suppression system to provide the best sound clarity with little or no distortion, but under some conditions there may still be some echo and noise experienced within the vehicle. It is recommended to keep the car windows closed during hands-free calls for best results.
- This unit uses the following Bluetooth profiles:
 - Phone Book Access Profile (PBAP)
 - Hands Free Profile (HFP)
 - Advanced Audio Distribution Profile (A2DP)
- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth features.
- Even if the phone supports Bluetooth Wireless Technology, the phone will not be found in a search, if the phone has been set to hidden mode or if the Bluetooth power is turned off.
- Disable the hidden mode or turn on the Bluetooth power prior to searching or connecting with the head unit.
- If Auto Connection is used, the Bluetooth phone automatically connects to the system when the ignition is turned on.
- If you do not want automatic connection with your Bluetooth device, turn the Bluetooth feature off on the Bluetooth device.
- Park the vehicle when connecting the unit with the mobile phone.
- Bluetooth connection may be intermittently disconnected depending on the phone. Follow these steps to try again.
 - Turn the Bluetooth® function within the mobile phone OFF/ON and try again.
 - Turn the mobile phone power OFF/ON and try again.
 - Completely remove the mobile phone

- Audio Video Remote Control Profile (AVRCP)
- If the Bluetooth profiles do not match, the system will display the “**Action not supported by this device**” pop-up on the display screen (e.g. device is not able to control the **MENU**).
 - If you connect the abnormal device, the system may not properly operate.

Before using Bluetooth music mode

- Bluetooth Audio mode can be used only if a Bluetooth Audio device has been connected.
- If music is not yet playing from your mobile device after switching to streaming audio (Bluetooth Audio) mode or after pressing Play on the mobile device itself, try to start music playback by pressing the Play button again.
- Check whether music from the Bluetooth device is playing after converting to streaming audio mode. The Streaming audio feature may not be supported by some mobile phones.
- If the Bluetooth phone is disconnected while Bluetooth Audio mode is active, then the music will also stop.
- Bluetooth streaming audio may not be supported by some mobile phones.
- If the Bluetooth indicator is not displayed, then no Bluetooth device is connected or the connection is not of satisfactory quality.
- This unit can pair up to 10 Bluetooth devices.

Connecting Bluetooth

Registering the Bluetooth device

Register the Bluetooth device to be connected to the Infotainment system.

Firstly, set up the Bluetooth device to be connected from the Bluetooth settings menu to enable other devices to search for the Bluetooth device.

Press **PHONE** to enter the Phone application mode.

To select Pair, press **-**. The information “**Name: Device name / PIN: 0000**” appears in the display screen and then the Pairing progress starts.

- If no phone source is connected, the status region displays “**No Device Paired**”.
- To change the PIN, press the **-** and select New Pin in the Pair menu. Turn and press **MENU** to change the PIN.

From the Bluetooth device, search for this unit and pair the device.

1. Turn on Bluetooth on your phone.
2. Search and select device “**Device name**” in the Bluetooth menu.
3. Enter this item on your phone.

To learn more about searching from Bluetooth devices and pairing, refer to the user's manual of your Bluetooth device.

After a while, the Bluetooth device is automatically registered.

- If the registration of the device to be connected to the system is successful,

“**Bluetooth Connected**” appears in the display screen.

- After Pairing is completed, a contacts download request is sent to your mobile phone. Please check your phone and accept the download request if necessary.

When pairing a second device, repeat the above steps.

- If a Bluetooth device is connected, a new device cannot be paired. If you want to pair a new phone, first disconnect the connected Bluetooth device.
- This unit can pair up to 10 Bluetooth devices.

Adding/Connecting/Disconnecting/ Deleting the Bluetooth devices

Firstly, set up the Bluetooth device to be connected from the Bluetooth setup menu to enable other devices to search for the Bluetooth device.

Press **PHONE** > press **MENU** to select the Bluetooth Devices to enter the Phone List menu > turn **MENU** to move to a device list item > press **-** to select the desired menu item.

- **Select Add** : The information “Name: Device name / PIN: 0000” appears in the display screen and then the Pairing progress starts.
- **Select Connect** : After a while, the Bluetooth device is automatically connected, and “**Bluetooth Connected**” appears on the display screen.

- **Select Disconnect** : Disconnect the connected Bluetooth device from the Phone List menu.
- **Select Delete** : Delete the registered Bluetooth device from the Phone List menu.

Bluetooth music player

Connecting Bluetooth music player

Connect the Bluetooth device on which the music files are stored.



Repeatedly press **MEDIA** to select the Bluetooth Music mode.

- Audio file within the Bluetooth device will automatically play once "**Bluetooth Music**" is displayed on the display screen.
 - If music is not yet playing from your mobile device after switching to streaming audio (Bluetooth Music) mode or after pressing Play on the mobile device itself, try to start music playback by pressing the Play button again.
- While playing, press **◀** or **▶** to move to the previous or next track.
- This function only operates with Bluetooth devices that support Audio Video Remote Control Profile (AVRCP) version 1.0 or above.

Depending on the Bluetooth device options, some devices may display Audio Video Remote Control Profile (AVRCP) being connected for the initial connection.

- If the Bluetooth device is disconnected while Bluetooth music is playing, the music will also stop.

Afterwards, the functions to play Bluetooth Music are operated similarly to USB playback.

Using the Bluetooth music menu

While playing, press **MENU** to enter the Bluetooth Audio Menu. Turn **MENU** to move to the desired menu item, and then press **MENU** to select the relevant item or to enter the item's detailed menu.

- **Browse "Device Name"** : Select a list item in the list of browse names. If the Bluetooth profiles do not match, the system will display "**Action not supported by devices**". Support Profile version : Audio Video Remote Control Profile (AVRCP) 1.4 higher.
- **Shuffle** : Turn the shuffle feature on or off.
- **Manage Bluetooth devices** : Enter the Phone List menu.

Emergency call

Warning: Connection setup cannot be guaranteed in all situations. For this reason, do not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned. On some networks, it may be necessary for

a valid SIM card to be properly inserted in the mobile phone.

Warning: Bear in mind that you can make and receive calls with the mobile phone, if it is in a service area with a sufficiently strong signal. Under certain circumstances emergency calls cannot be made on all mobile phone networks; it is possible that they cannot be made when certain network services and/or telephone functions are active. You can enquire about this with the local network operators.

The emergency call number can differ depending on the region and country. Please enquire beforehand about the correct emergency call number for the relevant region.

Making an emergency call


Dial the emergency call number (e.g. 112). The telephone connection to the emergency call centre is set up.

Answer when the service personnel questions you about the emergency.

Warning: Do not end the call until you are requested to do so by the emergency call center.

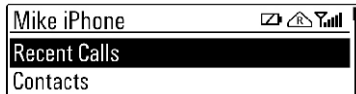
Using the Siri function (if available)

In order to use the Siri function, the iPhone will be connected to the Infotainment system via Bluetooth.

When iPhone is connected, press and hold **PHONE** or  on the steering wheel audio control to activate the Siri function.


- Compatible with iPhone devices that support iOS 4.0 or later.
- Siri commands that can be used in conjunction with this product supports dialing commands via the iPhone, select the song and playback of iPhone Music Player.

Operation





Incoming call

When a phone call comes in on the connected Bluetooth mobile phone, the playing track will be cut off and the phone will ring with the relevant information displayed.

To receive a call, press  on the steering wheel audio control to move to the Active Call screen or press - to select

Answer to move to the Active Call screen.


To reject a call, press and hold / on the steering wheel audio control or press - to select Ignore.

- An ignored call is sent to the voice mail box, the ringtone stops, and the alert is extinguished, returning the display to the previous screen prior to the alert.

- If the call is not ignored or answered before it is transferred to the voice mail box, the alert will extinguish returning to the previous screen and the ringtone stops.


Call waiting

If another person calls while you are already on the phone, the system displays a second incoming call pop-up.

Press **PHONE** or  on the steering wheel audio control to switch between 1st call and 2nd call.

If two calls are active (call waiting mode), a call waiting alert is not displayed.

Phone volume control

Turn  to adjust the Phone Volume while in an active phone call (e.g. through volume steps 0 ~ 63).

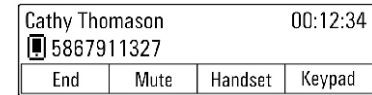
Caution: It is possible to transfer your ringtone depending on the mobile phone.

Adjust the ringtone volume of the mobile phone if the volume is too low.

You can use the volume control to adjust the Ring Tone Volume while the ring tone is given out starting at a defined minimum volume. The volume ranges from level 3 to max.

During a call

During the active call, the Active Call screen displays information relevant for the active phone call



End : End an active phone call.

When a call is ended, the system returns to the screen active before the call.

Mute/Unmute : Mute the vehicle microphone while in an active call by pressing the button.

If the microphone is muted, the label changes Unmute. Press the button again to unmute the microphone.


Handset/hands-free : Switch from hands-free mode to the phone handset mode by pressing - directly.

- If the phone call on the active phone source is handled in handset mode, the label changes to hands-free.
- Pressing the button now returns the phone conversation to hands-free mode.
- The hands-free mode is default when a call is initiated.
- If there is an issue and the call is not transferred to hands-free or handset as the user requested, a message is displayed notifying the user that the transfer could not be carried out. Please retry.

Keypad : Enter the Keypad screen.

Ending a call

If a call is ended while the system is displaying any other screen than the Active Call screen, the Call Ended message is displayed.

- The call may be ended by the person on the other end of the line, from the Bluetooth handheld device or by pressing  on the steering wheel audio remote control.
- After 5 seconds, the display returns to the previous screen.

Re-dialing a call

If the phone call was dropped, you can re-dial the number before the time out by pressing – directly below the display labeled Redial.

Calling a number in the call log

Press **PHONE** to enter the Phone List menu > turn **MENU** to select the Recent Calls > press **MENU** > turn **MENU** to select Missed Calls, Received Calls or Sent Calls, then press **MENU**. The recent calls list displays an intermediate menu containing missed calls, received calls, and sent calls.

Turn **MENU** to select a name or phone number, and press **MENU** to make a call.

Calling a number in the phone book

Press **PHONE** to enter the Phone List menu > turn **MENU** to select Contacts > press **MENU** > turn **MENU** to select a name or phone number, and press **MENU** to make a call. The last outgoing phone source is retained at the next ignition cycle, if that phone device is connected, and it is the outgoing phone source.

Downloading the phone book

If the Bluetooth device supports a phone book synchronization function, the phonebook is downloaded automatically after the connection has been established.

- The call history lists can be downloaded from the connected Bluetooth device.
- Sorting call histories by time is not supported.
- It is possible to download the call history even when proceeding another action.
- It is not possible to start the download process when the call history download feature is turned off within the Bluetooth device.
- After Pairing is completed, a contacts download request is sent to your mobile phone. Some phones require additional confirmation. Please check your phone and accept the download request if necessary.
- If a paired phone is deleted, its call history lists will also be deleted from the system.
- The system only uses information coded in UTF-8 format.

Dial a number by keypad

Press **PHONE** to enter the Phone List menu > turn **MENU** to select the Keypad and press **MENU** to enter the Keypad screen.


- When users select Keypad from the Phone Home Screen, a phone dialer keypad is displayed.
- Users rotate the knob to highlight the desired digit to dial and press the knob to select it.

Turn **MENU** to highlight the desired digit to dial and press **MENU** to select it.

You can enter max 24 digits.

- If the user continues to turn the knob when the end of the keypad is reached, it jumps to the other side of the keypad.
- Digits are displayed in the digit screen as they are entered.
- The Call button is not active until the user has input a digit.
- Once the user has entered the desired phone number, press – to begin calling that number.
- While the connection is established, the system displays the Active Call screen.
- If the user made a mistake while entering a phone number, turn **MENU** to highlight Delete and press the knob to delete the last digit entered.
- Pressing and holding the knob for the standard time while Delete is highlighted clears the entire digit field.

Bluetooth devices view

Press **PHONE** to enter the Phone menu > turn **MENU** to select the Bluetooth Devices > press  to enter the Phone List menu.

- The list contains the device names of all Bluetooth devices that have been paired with the system.
- If the device name received is blank, Unknown is displayed.
- From the Bluetooth Device List menu, the user may add (pair) a device, delete a device, and connect a device.

INTRODUCTION

Infotainment

The Infotainment system provides infotainment in your car, using the latest technology. The radio can be easily used by registering up to 36 AM/FM radio stations with the **PRESET** buttons [1~6] per every six pages. The integrated CD player can play audio Cds. If USB port is available, the USB player can play connected USB storage devices or iPOD® products. Connect a portable music player to the exterior sound input and enjoy the rich sound of the Infotainment system. The digital sound processor provides a number of preset equaliser modes for sound optimisation. The system can be easily adjusted with the carefully designed adjusting device, smart display and multifunctional menu dial regulator.

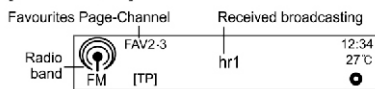
- The **"Overview"** section provides a simple overview of the Infotainment system's functions and a summary of all regulatory devices.
- The **"Operation"** section explains the basic controls for the Infotainment system.

Screen display

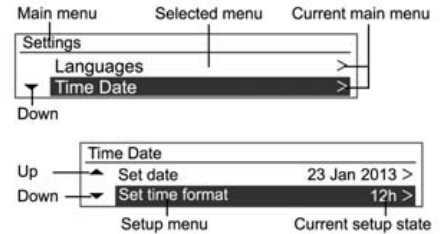
[Start-up Screen]



[Radio Screen]



[Setup Menu Screen]

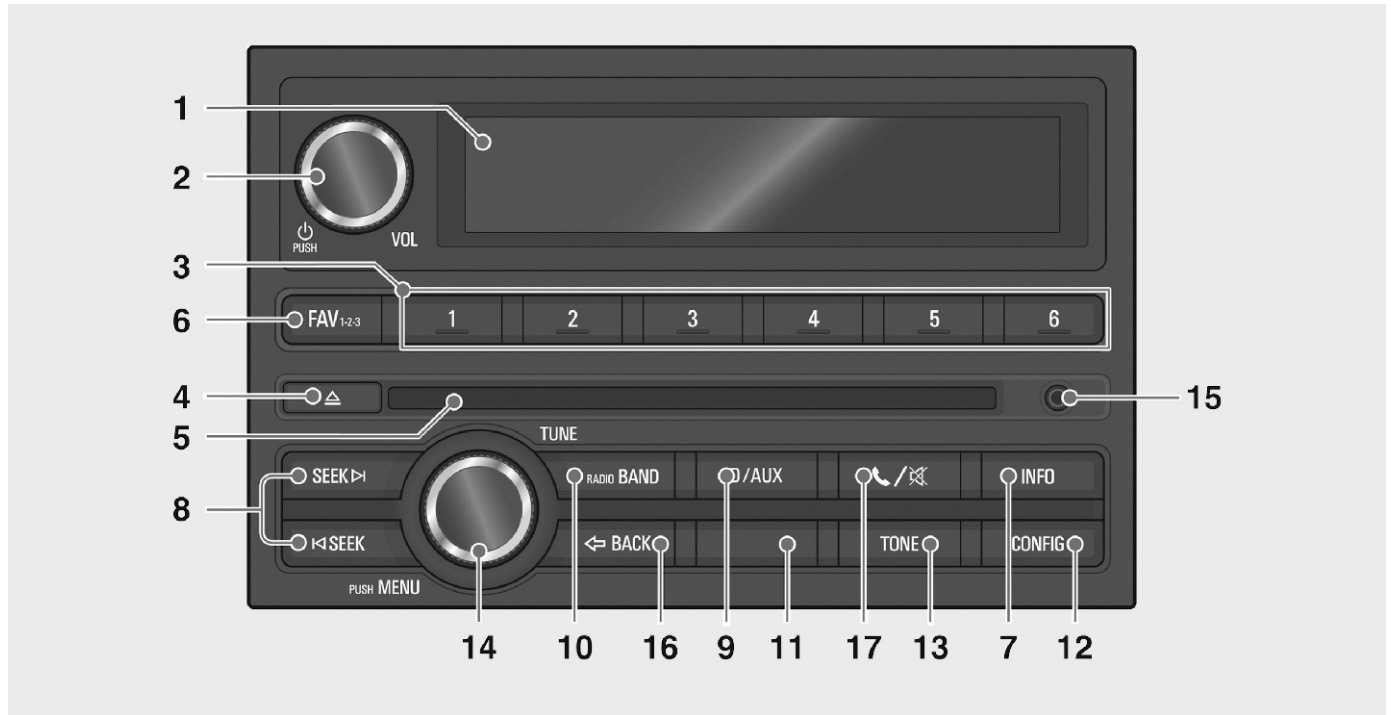


The screen display may differ from the manual display since most screen displays differ according to the device's setup and vehicle specification.

Theft-Deterrent Feature

The Infotainment system has an electronic security system installed to prevent theft. The Infotainment system only works in the vehicle in which it was first installed and cannot be used in case of a theft.

Overview



1. Display

Display for Play/Reception/Menu state and information.

2. POWER/VOLUME button with control knob

- Turn the power on/off by pressing this button.
- Turn the control knob to adjust the overall volume.

3. PRESET [1-6] buttons

- Hold down any of these buttons to add the current radio station to the current favourites page.
- Press any of these buttons to select the channel linked to that button.

4. EJECT button

Press this button to eject the disc.

5. Disc slot

This is the slot in which compact discs are inserted or taken out.

6. FAVORITE [FAV1-2-3] button

Press this button to select the page of saved favourite channels.

7. INFORMATION [INFO] button

- Press this button to view file information when using the CD/MP3/USB/iPod® play modes.

- View information about a radio station and the currently playing song when using the radio function.

8. ◀ SEEK ▶ buttons

- Press these buttons while using the radio to automatically seek stations with clear reception. You can manually set the broadcasting frequency by holding down these buttons.
- Press these buttons while using the CD/MP3/USB/iPod® play modes to instantly play the previous or next track.
- You can hold down these buttons to quickly rewind/fast forward through the currently playing songs.

9. CD/AUX button

Press this button to select CD/MP3/USB/iPod® audio function.

10. RADIO BAND button

Toggle between AM or FM function.

11. TP button

While using the FM RDS function, turn the TP (Traffic Programme) function on or off.

12. CONFIG button

Press this button to enter the system setup menu.

13. TONE button

Press this button to adjust/select the sound setup mode.

14. MENU-TUNE button, knob

- Press this button to display the currently functioning menu or select/practice the setup content and setup values.
- Turn the dial to move/change the setup content or setup values.

15. AUX port

Connect an exterior sound device to this port.

16. ◀ BACK button

Cancel input content or return to the previous menu.

17. PHONE / MUTE button

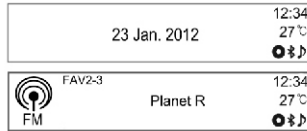
- Press this button to activate Bluetooth® mode (If available)
- Hold down the button to turn the mute function on or off.

Operation

Buttons and Controlling Device

The Infotainment system is operated by using the function buttons, knobs and the menu indicated on the screen display.

System on/off



Press the **POWER/VOLUME** button to turn the system on.

Turning on the power will play the previously chosen broadcasting station or song. However, it will be different for the Bluetooth® audio (if available) depending on the device.

Press the **POWER/VOLUME** button to turn the system off.

Turning Off Automatically

When the ignition switch is in the off position, turning on the Infotainment system by using the **POWER/VOLUME** button will automatically turn the Infotainment system off after 10 minutes from the user's last operation.

Volume Control



Turn the **POWER/VOLUME** control knob to adjust the volume.

- The current sound volume is indicated.
- Turning on the Infotainment system power will set the volume level to its previous selection (when it is less than the maximum starting volume).

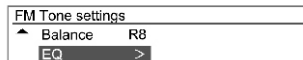
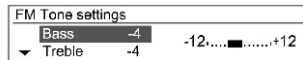
Auto Volume Control

Once the speed-compensating sound volume setup starts operating, the volume will automatically be controlled according to the vehicle's speed to offset the noise from the engine and tyres. Refer to "Auto Volume" in Radio Settings under Personalization ↻ 6-33.

Volume Limit by High Temperature

If the inside temperature of the radio is very high, the Infotainment system will limit the controllable maximum volume. If necessary, the volume will automatically decrease.

Tone Settings



From tone setup menu, sound features can be setup differently according to the FM/AM audio and each audio player's functions.

Press the **TONE** button when using the relevant functioning mode.

Turn the **MENU-TUNE** control knob to select the desired tone control mode, and then press the **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob to select the desired tone control value, and then press the **MENU-TUNE** button.

It is possible to reset the currently selected item by pressing and holding the **MENU-TUNE** button in the tune configuration mode, or to reset all items of the tune configuration mode by pressing and holding the **TONE** button.

Tone Setup Menu

Bass : Adjust the bass level from -12 to +12

Midrange : Adjust the midrange level from -12 to +12

Treble : Adjust the treble level from -12 to +12

Fader : Adjust the front/rear speaker balance from front 15 to rear 15

Balance : Adjust the left/right speaker balance from left 15 to right 15






EQ (Equalizer) : Select or turn off the sound style (OFF–Pop–Rock–Classical–Talk–Country)

Select Function

FM/AM Radio

Press the **RADIO BAND** button to select FM or AM radio. Press the **MENU-TUNE** button to open the FM/AM menu that includes options for selecting broadcast stations.

CD/MP3/USB/iPod® /Bluetooth® Audio Play or Exterior Sound (AUX) Input (if equipped)

Audio CD		Track 1	00:02	12:34 27 C
MP3 CD		Music artists Track 1	00:02	12:34 27 C
AUX		AUX1		12:34 27 C
USB		Bare ladies Breakout Track 1	00:02	12:34 27 C
iPod		The Eagles Life in the Fast Lane Track 1	00:02	12:34 27 C

Repeatedly press the CD/AUX button to choose the audio player functions, the AUX function for CD/MP3 discs, or the connected USB or iPod®, Bluetooth® audio player. (CD/MP3–AUX– USB or iPod®/Bluetooth® audio–CD/MP3 →....)

Audio/ MP3 CD	CD menu Shuffle songs Off Repeat Off
USB	Menu USB Shuffle songs Off Repeat Off
Radio	FM menu Favourites list > FM stations list >

Press the **MENU-TUNE** button to open the menu with options for the relevant function or the menu of the relevant device (except for the Bluetooth® audio).

Bluetooth® Hands-Free Phone Device (if equipped)



Press the **PHONE/MUTE** button to select the Bluetooth® hands-free phone function.



Press the **PHONE/MUTE** button to open Bluetooth® with options for the relevant function.

RADIO

AM-FM Radio

Before using AM-FM Radio

Main Buttons/Control Knob Button

- (10) **RADIO BAND** button
Choose FM or AM band radio.
- (14) **MENU-TUNE** button with control
 - Turn this button/control knob, button to manually find a broadcasting frequency.
 - Press this button/control knob, button to access the menu screen from the current mode.

(16) **BACK** button

Cancel the input item or return to the previous screen/menu.

(8) **SEEK** buttons

- Press this button to automatically search for available radio stations.
- Press and hold this button to change the radio frequency as desired, and then release the button to stop at the current frequency.

(6) **FAVORITE [FAV1-2-3]** button

Press this button to move through the pages of saved favorite radio stations. The number of pages available can be set through "Radio favorites" in Radio Settings under Personalization ↗ 6-33.

(3) **PRESET [1–6]** buttons

- Press and hold any of these **PRESET** buttons to register the current radio station to that button.
- Press this button to select the station

registered to the **PRESET** button.
 (11) **TP** button (If equipped).
 Press this button to turn ON or OFF.
 (7) **INFORMATION [INFO]** button If play modes are available, see the information when using the CD/MP3/USB/iPod® play modes.

Listening to Radio Station

Searching for Radio Stations

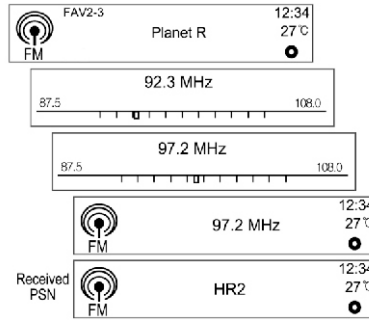


Repeatedly press the **RADIO BAND** button to choose FM or AM broadcasting.
 The previously chosen broadcasting station will be received.

Automatic Station Search

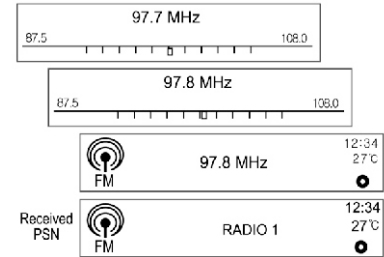
Press the **SEEK** buttons to automatically search for available radio stations with good reception.

Seeking



Press and hold the **SEEK** buttons to quickly change the frequency, and then release the button at the desired frequency.

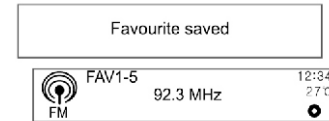
Searching for Broadcasting Manually



Turn the **MENU-TUNE** control knob, button to manually find the desired broadcasting frequency.

Using the PRESET buttons

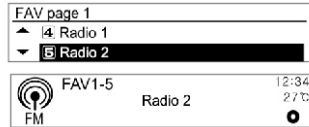
Registering PRESET Button



Press **FAVORITE [FAV1-2-3]** button to select the desired page of saved favorites.
 Hold down any of **PRESET [1-6]** buttons to register the current radio station to that button of the selected favorites page.

- Up to six favorite pages can be saved, and each page can store up to six radio stations.
- It is possible to setup the number of the favorite pages being used in "Radio favorites" in Radio Settings under Personalization ⇨ 6-33. (Max. No. of favorite pages)".
- If a new radio station is registered to a **PRESET [1–6]** previously registered button, its previous content will be deleted and be replaced with the new radio station that is saved.

Listening directly to PRESET button

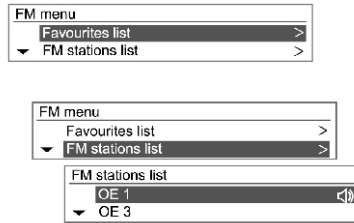


Repeatedly press the **FAVORITE [FAV1-2-3]** button to select the desired FAV (favorites) preset page.

The number 1 broadcasting information of the selected FAV (favorites) preset page will be displayed.

Press a **PRESET [1–6]** button to directly listen to the radio station saved to that button.

Using the Radio Menu



Press the **MENU-TUNE** button to display the radio menu. Turn the **MENU-TUNE** knob, button to move to the desired menu item, and then press **MENU-TUNE** button to select the relevant item or to display the item's detailed menu.

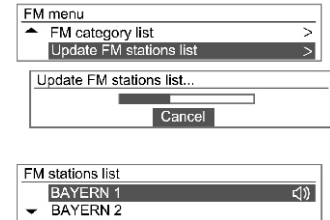
AM/FM Menu – Favorites List



Select FM/AM with the **RADIO BAND** button, press the **MENU-TUNE** button twice and turn the **MENU-TUNE** knob to move to the favorites list.

When the desired item appears, press **MENU-TUNE** button to receive relevant broadcasting channel.

AM/FM Menu – FM/AM Station List



Press **MENU-TUNE** button, than turn the **MENU-TUNE** knob, button to AM/FM station list and press the **MENU-TUNE** button again.

In cases where a broadcasting channel had been saved, an automatic search will be performed.

All the available broadcasting channels can be seen by turning the **MENU-TUNE** knob, button.

AM/FM Menu – Update FM/AM Stations List



Press **MENU-TUNE** button and turn the **MENU-TUNE** knob to the Update FM/AM stations list. To start the process, press the **MENU-TUNE** button.

- The FM/AM broadcasting list update will proceed.
- During the FM/AM broadcasting list update, press the **MENU-TUNE** button or the previous / **BACK** button to stop it from saving changes.

Radio Data System (RDS)

- The Radio Data System (RDS) is a service by FM stations that considerably makes it easier to find radio stations with fault-free reception.

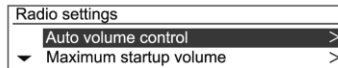


- RDS stations are indicated by the programme name instead of the broadcasting frequency.

View RDS broadcasting information

While receiving RDS broadcasting, press the **INFORMATION [INFO]** button to check RDS broadcasting information that is being received.

Configuring RDS



Press the **CONFIG** button to display setup menu.

Turn the **MENU-TUNE** control knob to move to the Radio settings, and then press the **MENU-TUNE** button.

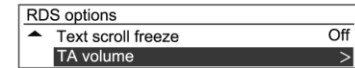
Turn the **MENU-TUNE** control knob to RDS options, and then press the **MENU-TUNE** button.

Switching RDS on and off

Set the option RDS to On or Off.

The following advantages result through activating RDS:

- On the display the programme name of the set station appears instead of its frequency.
- The infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF.



From RDS settings menu, turn the **MENU-TUNE** control knob to move to RDS: Off, and then press the **MENU-TUNE** button to turn on the RDS function.

Switching regionalisation on and off

RDS must be activated for regionalisation. At certain times some RDS stations broadcast regionally different programmes on different frequencies.

Set the position Regional (REG) to On or Off. Only Alternative Frequencies (AF) with the same regional programmes are selected. If regionalisation is switched off, alternative frequencies of the stations are selected without regarding regional programmes.



From the **RDS options** menu, turn the **TUNE** dial to move to **Regional: Off**, and then press the **MENU** button to turn on the Regional function.

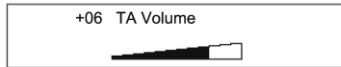
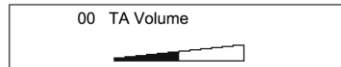
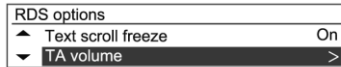
Switching the Text scroll freeze on and off
Switch the **Text scroll freeze** function (for displaying the information of the programme service) on or off:



From the **RDS options** menu, turn the **TUNE** dial to move to **Text scroll freeze: Off**, and then press the **MENU** button to turn on the **Text scroll freeze** function.

Volume of the traffic announcements (TA) (If Equipped)

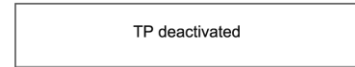
The minimum volume of the traffic announcements (TA) can be preset. The minimum volume of the traffic announcements can be increased or reduced in comparison to the normal audio volume.



From the **RDS options** menu, turn the **TUNE** dial to move to **TA volume**, and then press the **MENU** button. Turn the **TUNE** dial to adjust the **TA volume** level, and then press the **MENU** button.

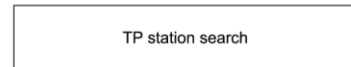
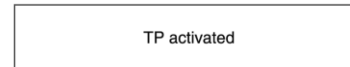
Radio traffic service (If Equipped)

TP : traffic programme
Radio traffic service stations are RDS stations that broadcast traffic news. Switch the traffic announcement standby facility of the Infotainment system on or off:



Outside the phone mode, press the **TP** button to activate or deactivate the traffic programme service function.

- If the radio traffic service is switched on, [] is displayed in the radio main menu.

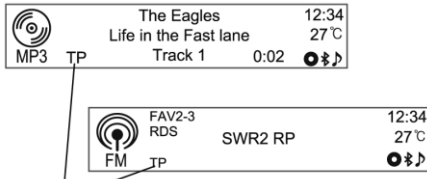


AUDIO PLAYERS

- If the current station is not a radio traffic service station, then a search is automatically started for the next radio traffic service station.
- Once a radio traffic service station has been found, [TP] is displayed in the radio main menu.
- If the radio traffic service is switched on, then the CD/MP3/ USB/iPod/Bluetooth (only for Type 1/2-A/B models) music or AUX replay is interrupted for the duration of the traffic announcement.

Blocking out traffic announcements (If Equipped)

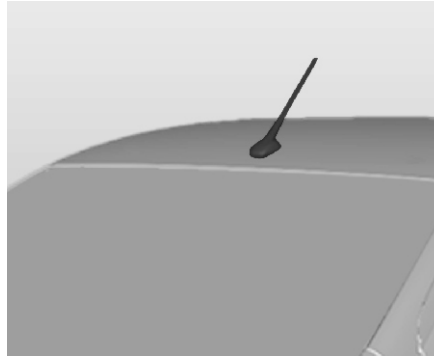
Block out a traffic announcement, e.g. during CD/MP3 replay or radio reception:



Blocking out status indicator : [TP] → TP

Outside of the phone mode, press the TP button.
Switch on the radio traffic service and fully turn down the volume of the Infotainment system. The traffic announcement is aborted, but the radio traffic service remains switched on.

Fixed Mast Antenna



To remove the roof antenna, rotate it counterclockwise. To install the roof antenna, rotate it clockwise.

⚠ CAUTION!

To avoid damaging the antenna or the roof panel, be sure to remove the antenna before entering the automatic car wash or a place with a low ceiling.

Install the antenna firmly.
Whenever using the roof rack system, check if the antenna is not obstructing the area that is being used by the roof rack system or the cargo.

CD Player (If equipped)

The reproduction, rerecording, rent, lease or exchange of unauthorised phonograms without the authorisation of the intellectual property is prohibited. Whenever these are not legitimate CD or MP3, you must have the appropriate authorisation.

The CD player of this system can play audio CD discs.

Before using CD Player

Important Information about Audio CD discs

⚠ CAUTION!

Under no circumstances place DVDs, single-CDs with a diameter of 8 cm or shaped CDs in the audio player.

You must not put any stickers on Cds. These discs can get jammed in the CD drive and ruin the player. Replacement of the device will then be necessary.

- A CD player with anti-piracy function may not accept a disc that is not compatible.
- CD-R and CD-RW discs that are manually recorded are often handled with less care than the original ones. Manually recorded CD-R and CD-RW discs should especially be handled with care. Please refer to the following
- Manually recorded CD-R and CD-RW discs may not be played properly or may not be played at all. In such cases, this is not a problem with the device.

- When replacing a disc, take care to not leave any fingerprints on the playing side.
- After removing the disc from the CD player, make sure to immediately put the disc into a disc sleeve to prevent it from being damaged or scratched with dust.
- If there is dust or liquid on its surface, it may cause the lens to become fuzzy.
- Protect the disc from heat and exposure to direct light.

Usable Disc Type

- This product can play Audio CD discs.
 - CD-DA: CD-R/CD-RW.

Cautions for Using Disc

- Do not use any of the discs described below. Excessive use of these discs in the player may cause problems.
 - Discs with stickers, labels, or a protective cell attached.
 - Discs affixed with a label printed with an inkjet printer.
 - Discs that are made by overburning, thus holding data exceeding the standard capacity.
 - Discs with cracks or scratches or which are bent will not be played properly.
 - An 8 cm disc or a non-circular disc (quadrangle, pentagon, oval).
- Do not put anything other than discs in the disc slot since this may cause damage.
- The disc player may not work properly if the heater is turned on in cold weather due to moisture created inside the device.

- If this is a concern, keep the product off for about one hour before use.
- Play may be stopped due to the vehicle shaking while driving on rugged roads.
- Do not forcefully remove or insert the disc or block it with your hand while it is being ejected.
- Insert the disc with the printed side facing up. It cannot be played if it is inserted upside down.
- Do not touch the recording side with your hand while handling the disc (the side without any print or decoration).
- Place discs that are not being used in cases, and keep them in a place not exposed to direct light or high temperature.
- Do not smear any chemical substances on the disc. Clean discs of dirt with a moist, soft cloth, wiping from the centre to the edge.

Caution for Using CD-R/RW Disc

- When using CD-R/CD-RW discs, only discs that have been "finalized" can be used.
- Discs that are created with a PC may not play according to the application program setup and environment.
- CD-R/CD-RW discs, especially bulk discs, may not work if they are directly exposed to direct light or high temperature, or if they are kept inside your car for a long time.
- The title and other text information recorded on CD-R/CD-RW discs may not be displayed on this device.
- CD-RW discs may have longer loading times than CDs or CD-R discs.
- Damaged music files may be cut off while playing or not be played.

- Some anti-piracy discs may not be played .
- The file/folder names that can be used per disc storage type are as follows.

ISO 9660 Level 1 : Maximum of 12 characters

ISO 9660 Level 2 : Maximum of 31 characters

Joliet : Maximum of 64 characters (one byte)

Windows long file name : Maximum of 28 Characters (one byte)

Playing CD

Main Buttons/Control

(9) **CD/AUX** button

Select the CD player.

(14) **MENU-TUNE** button with control

- Turn the button/control knob to move to the track list, the menu or the track information item.

- Press the button/control knob to display the menu screen for the current item or current mode.

(8) **◀ SEEK ▶** buttons.

- Press these buttons to play the previous or next track

- Hold down these buttons to rewind or fast forward through the track and release the button to resume playing at normal speed.

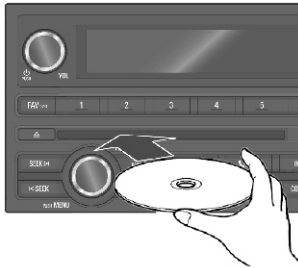
(4) **EJECT** button

Eject the disc.

(7) **INFORMATION [INFO]** button

Display the information for the track being played.

Insert disc



Insert the disc to be played with printed surface facing upward in the disc inserting slot.



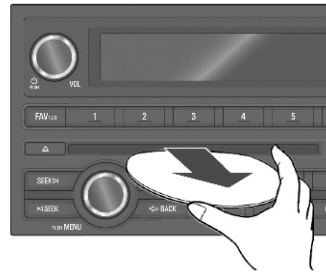
- Once the reading of disc information is completed, it will automatically play from track 1.
- When a non-readable disc is inserted, the disc will automatically be ejected with the display of a disc error message and then the system will switch to the previously used function or the FM radio.



When a disc to be played is already inserted, repeatedly press CD/AUX button to select CD play.

- If there is no disc to be played, "no disc» will be displayed on the screen and the function will not be selected.
- The track that was previously played will automatically play.

Eject disc



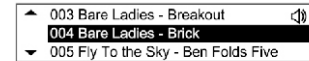
To eject disc, press the **EJECT** button to remove the disc.

- When the disc comes out, it automatically switches to the previously used function or the FM radio.
- The disc will automatically be inserted back again if it is not taken out for some time

Changing Playing Track

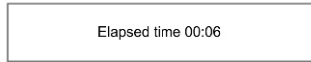


Press the **SEEK** buttons in play mode to play the previous or next track.



Or turn the **MENU-TUNE** control knob to move to the play track list, and then press **MENU-TUNE** button to instantly change it.

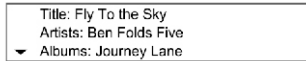
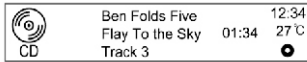
Changing Playing Position



Hold down the **◀ SEEK ▶** buttons during play mode to rewind or fast-forward through the song. Release the button to resume playing the song at normal speed.

The volume is slightly reduced during rewinding and fast-forwarding, and the playing time will be displayed.

View Information on Playing Track

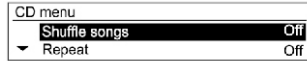
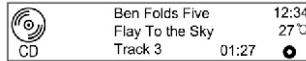


Press the **INFORMATION [INFO]** button in play mode to display information about the track being played.

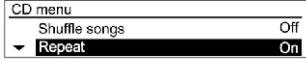
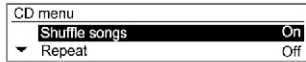
If there is no information on the playing track for audio CDs, then the system will display "No information."

Using CD Menu

Changing the Playback Mode

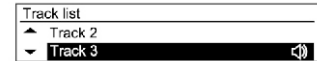
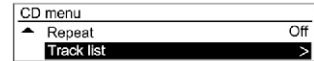
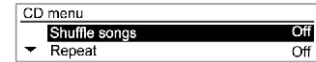


From the play mode, press the **MENU-TUNE** button to display the CD menu.



Turn the **MENU-TUNE** control to select the shuffle or repeat playback functions, and then press the **MENU-TUNE** button to turn the relevant functions on or off.

CD Menu – Track List



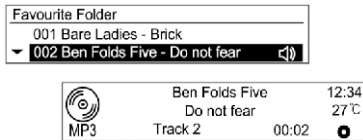
For audio CD discs, turn the **MENU-TUNE** control knob from the CD menu to move to the track list, and then press the **MENU-TUNE** button.

Turn the **MENU-TUNE** control knob to find the desired track list, and then press the **MENU-TUNE** button to play the selected track.

CD Menu – Searching Folders



Turn the **MENU-TUNE** control knob to move to the desired folder, and then press **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob to find the desired track, and then press **MENU-TUNE** button to play the selected track from the selected folder.

Auxiliary Devices (USB/Exterior Sound (AUX) Input (If equipped))

USB Player

Cautions for using USB devices


- Operation cannot be guaranteed if the HD built-in USB mass storage device or CF or SD memory card is connected by using a USB adaptor. Use a USB flash memory type storage device.
- Take caution to avoid static electricity discharge when connecting or disconnecting the USB. If connection and disconnection are repeated many times in a short time, this may cause a problem in using the device.
- To remove the USB device, use the "USB

Menu—Remove USB" by using the **MENU-TUNE** button to carry out removal of the USB. Operation is not guaranteed if the connecting terminal of the USB device is not metal.

- Connection with i-Stick type USB storage devices may be faulty due to vehicle vibration, so their operation cannot be guaranteed.
- Be careful not to touch the USB connecting terminal with an object or any part of your body.
- The USB storage device can only be recognized when it is formatted in FAT16/32 file format. Only devices with an allocated unit size of 512 Byte/Sector or 2,048 Byte/Sector can be used. NTFS and other file systems cannot be recognized.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognize the files may differ. This is not a problem with the product in this case, so please wait for the files to be processed.
- Files in some USB storage devices may not be recognized due to compatibility problems, and connections with a memory reader or a USB hub are not supported. Please check the device's operation in the vehicle before use.
- When devices such as an MP3 player, mobile phone or digital camera are connected through a mobile disc, it may not operate normally.
- Do not disconnect the USB storage device while it is being played. This may cause

damage to the product or the performance of the USB device.

- Disconnect the connected USB storage device when the vehicle ignition is turned off. If the ignition is turned on while the USB storage device is connected, the USB storage device may be damaged or may not operate normally in some cases.

 CAUTION!
<p>USB storage devices can only be connected to this product for the purpose of playing music files.</p> <p>The product's USB terminal should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the product.</p>

- When the logical drive is separated from a mass USB storage device, only the files from the top-level logical drive can be played for USB music files. This is the reason that the music files to be played should be stored in the top-level drive of the device. Music files in particular USB storage devices may also not be normally played if an application is loaded by partitioning a separate drive inside the USB device.
- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This product can support USB storage

devices that are up to 16 Gigabytes in capacity with a limit of 999 files, 512 folders, and 10 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit.

Caution for Using USB Music Files

- Damaged music files may be cut-off during playback or may not be played at all.
- Folders and music files are displayed in the order of Symbol.
- A maximum of 64 Korean/English characters can be recognized for folder or file names written in the Joliet file system.

About MP3/WMA music files

- The MP3 files that can be played are as follows:
 - Bit rate: 8 kbps–320 kbps
 - Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1) 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
- This product displays MP3 (WMA) files with the mp3, .wma (lower case letters) or .MP3 or .WMA (capital letters) file name extensions.
- This product can display ID3 tag (Version 1.0, 1.1, 2.2, 2.3, 2.4) information about album, artist, etc. for MP3 files.
- The file/folder names that can be used according to storage type are as follows, including the four character file name extensions (.mp3).
 - ISO 9660 Level 1: Maximum of 12 characters

- ISO 9660 Level 2: Maximum of 31 characters
- Joliet: Maximum of 64 characters (one byte)
- Windows long file name: maximum of 28 characters (one byte)
- This product can play MP3 files which use VBR. When a VBR type MP3 file is being played, the remaining time displayed may be different from the actual time remaining.

Main Buttons/Control knob

The following main buttons and controls are used to play USB music files:

(9) **CD/AUX** button

Press the button repeatedly when the USB device is connected to select the USB play mode.

(14) **MENU-TUNE** button with control

- Turn the control knob to move to the track list, menu or MP3 (WMA) track information.
- Press the button to display the menu screen provided by the current item or current mode.

(8) **◀ SEEK ▶** buttons

- Press these buttons to play the previous or next track.
- Press and hold these buttons to rewind or fast-forward, and then release to play at normal speed.

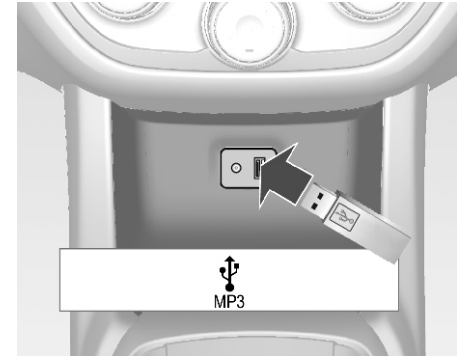
(7) **INFORMATION [INFO]** button

Display the information of the track being played.

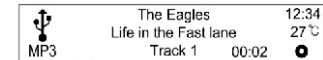
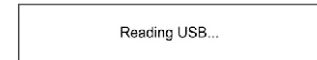
(16) **◀ BACK** button

Cancel the input item or return to the previous menu.

Connecting the USB Storage Device



Below the instrument panel is a connection port for the USB storage device with music files to be played to the USB connecting terminal.



- Once the product finishes reading the information on the USB storage device, it will automatically play.
- If a non-readable USB storage device is

connected, then an error message will appear and the product will automatically switch to the previously used function or the FM radio function.

- If the USB storage device to be played is already connected, repeatedly press the **CD/AUX** button to select the USB player. It will automatically play from the previous playing point. Afterwards, the functions of the USB player are operated similarly to MP3 playback.

Ending USB Music Files Playback

Press the **RADIO BAND** or **CD/AUX** button to select other functions.

To end play and disconnect the USB storage device, use the USB menu—USB removal function to safely remove the USB storage device.

Using the USB Menu

The instructions for "random/repeat/folder/MP3 music box/USB removal item".

USB Menu – Remove USB



You can safely disconnect the device

Press the **MENU-TUNE** button from play mode to display the USB menu. Turn the **MENU-TUNE** control knob to move to the Remove USB, and then press the **MENU-TUNE** button to display the message notifying you that it is safe to remove the USB device.

Disconnect the USB device from the USB connection terminal.

Return to the previously used function.

(9) **CD/AUX** button

Press the button repeatedly when the iPod® is connected to select the iPod® play mode.

(14) **MENU-TUNE** button with control

Turn the control knob to move and display the track list that is playing.

Press the button to display the menu screen provided by the current item or current mode.

(8) **◀ SEEK ▶** buttons

Press these buttons to play the previous or next track.

Hold down these buttons to rewind or fast-forward, and then release to play at normal speed.

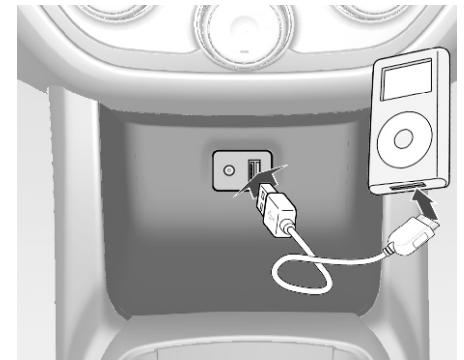
(7) **INFORMATION [INFO]** button

Display the information of the track being played.

(16) **◀ BACK** button

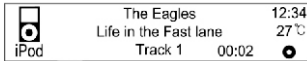
Cancel the input item or return to the previous menu.

Connecting iPod® Player

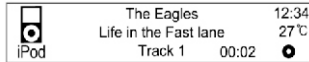


Below the instrument panel is a connection for the iPod® with music files to be played to the USB connecting terminal.

- The iPod® product models that are connected/supported by this product are as follows.
 - iPod® 2G Nano/iPod® 3G Nano/ iPod® 4G & 5G Nano
 - iPod® 120GB & 160GB Classic
 - iPod® 1G, 2G, & 3G Touch
 - iPhone® 3G & 3GS
- Only connect the iPod® to this product with connection cables supported by iPod® products. Other connection cables cannot be used.



- In some cases, the iPod® product may be damaged if the ignition is turned off when it is connected to the product. When the iPod® product is not being used, keep it separately from this product with the car ignition turned off.
- Once the product finishes reading the information on the iPod® device, it will play automatically.
- If a non-readable iPod® device is connected, then the relevant error message will appear and the product will automatically switch to the previously used function or the FM radio function.



- If the iPod® device to be played is already connected, repeatedly press AUX button to select the iPod® player.
- It will automatically play from the previously played point.

- The playback functions and the information display items of the iPod® player used with this product may be different from the iPod® in terms of play order, method, and the information displayed.
- Refer to the following table for the classification items related to the search function provided by the iPod® product.

	Step 1	Step 2	Step 3	Step 4
Playlist	Playlist	Song		
Genre	Genre	Artist	Album	Song
Artist	Artist	Album	Song	
Composer	Composer	Album	Song	
Album	Album	Song		
Audiobooks	Song			
Songs	Song			
Podcasts	Program	Episode		

The functions to play the iPod® are operated similarly to CD/MP3 playback.

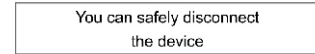
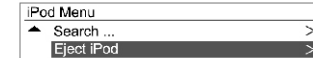
Log-off iPod® Playback

To end playback, press the RADIO BAND or CD/AUX button to select other functions.

Using the iPod® Menu

From the iPod® menu, the instructions for "Shuffle songs/Repeat/Search... (including Audio books and Composers)" are similar to CD/MP3 player's CD menu, only the "iPod® removal item".

iPod® Menu – Eject iPod®



Press the **MENU-TUNE** button from play mode to display the iPod® menu. Turn the **MENU-TUNE** control knob to move to the Eject iPod® function, and then press the **MENU-TUNE** button to display the message notifying you that it is safe to remove the device. Separate the iPod® device from the USB connection terminal. Return to the previously used function.

Exterior Sound (AUX) Input

Limited to models supporting external sound connection.

Main Buttons/Control Knob

The following main buttons and controls are used to enjoy the rich sound of the Infotainment system from the sound output of a connected exterior sound device.

(9) **CD/AUX** button
With an exterior sound device connected, press

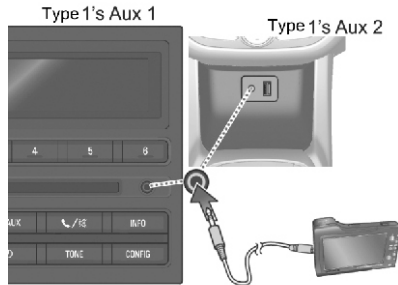
the button repeatedly to select the exterior sound (AUX) input mode.

(2) **POWER/VOLUME** control knob Turn the control knob to adjust the volume.

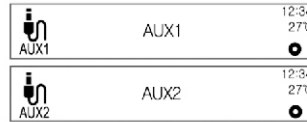
Connecting an Exterior Sound

Connect the audio output of the external audio equipment to AUX input terminal 1 or 2, if available.

- AUX: Positioned in the Infotainment device



The Infotainment system will automatically switch to the exterior sound (AUX) input mode when the exterior sound device is connected.



Press the CD/AUX button to switch to the exterior sound input mode if the exterior sound system has already been connected.

PERSONALIZATION

Main Buttons/Control Knob

The buttons and control knob used in the system setup are as follows.

(12) **CONFIG** button

Press this button to enter the system setup menu.

(14) **MENU-TUNE** button, knob

- Turn the control knob to move to the menu or setup item.
- Press the button to select/enter the detailed control screen provided by the current menu or setup item.

(16) **BACK** button

Cancel the input item or return to the previous screen/menu.

How to Use the Setup Menu for Personalization

Setup menus and functions may differ according to car model.

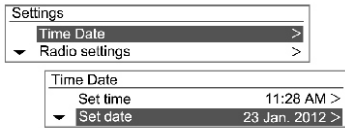
[Example] System Setup–Setup Time and date–Time Setup: January 25th 2012



Press the **CONFIG** button to get to the **System configuration** menu.

By turning the **MENU-TUNE** knob, it is possible to move to the desired setup menu.

Then press the **MENU-TUNE** button to confirm.



- A detailed list for the relevant setup menu or functioning state is shown.
- If there is an additional detailed list under the previous relevant detailed list, you can repeat this action.



Turn the **MENU-TUNE** knob to attain the desired setup value or functioning state, and then press the **MENU-TUNE** button.

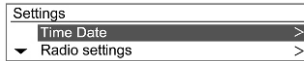


If the relevant detailed list is made of several items, then repeat this action. Set/enter the relevant setup value or the functioning state will change.

[Language Settings]

Select English, Spanish, French or Portuguese

[Time Date]



Set time : Manually set the hours and minutes for the current time

Set date : Manually set the current year/month/date

Set time format : Select 12h or 24h time display

Set date format : Set the date display format

YYYY.MM.DD: 2012 Jan. 23

DD/MM/YYYY: 23 Jan. 2012

MM/DD/YYYY: Jan. 23, 2012

[Radio Settings]



Auto volume : Set Off/Low/ Medium/ High
Maximum startup volume : Manually set max.limit for the startup volume
Radio favourites : Manually set your favorite page numbers

Comfort and Convenience Settings

Chime volume : Select normal or high

Lighting

Exit lighting : Select Off / 30 Seconds/ 1 Minute/ 2 Minutes

Power door locks

Auto door unlock : Select On or Off

Remote lock, unlock, Start

Remote unlock light options : Select On or Off

Remote door unlock : Select On or Off

Relock remotely unlocked door : Select On or Off

Return to factory settings: Select No or Yes

7

CLIMATE CONTROLS

- CLIMATE CONTROL SYSTEMS7-2
- AIR VENTS7-4
- MAINTENANCE7-5
- NOTES 7-6

CLIMATE CONTROL SYSTEMS

⚠ DANGER!

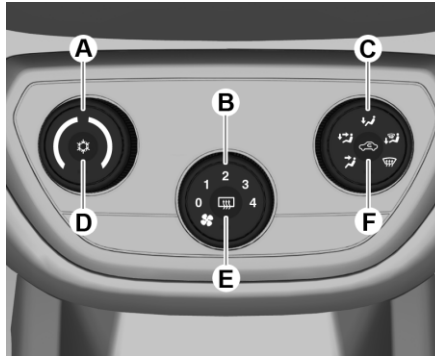
Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in oxygen content and/or body temperature.

Note

This equipment may not be available in your country or vehicle model.
For vehicles with heated front seats:



For vehicles without heated front seats:



Controls for:

- Temperature (A)
- Fan speed (B)
- Air distribution ©
- Cooling (D)
- Heated rear window (E)
- Air recirculation (F)
- Demisting, defrosting (☼)

When the air distribution knob (C) is in the defrosting position (☼) it is not possible to turn on the air recirculation (F), since it is necessary to allow fresh air inside the passengers compartment to remove the moisture, increasing windshield defrost efficiency

Temperature

Adjust the temperature by turning the knob (A).
Red : Warm (warmer to the right)
Blue : Cold (colder to the left)

Heating

- Turn the temperature control knob (A) to the red area for heating.
- Turn the air distribution knob (C) to the desired position.
- Turn the fan control knob (B) to the desired speed.

Air Distribution

Select the air outlet by turning the knob © to:

- ☼: Head area and foot well
- ☼: Foot well
- ☼: Head area via adjustable air vents
- ☼: Windscreen and foot well
- ☼: Windscreen and front door windows, with a small amount of the air being directed to side air vents.

Fan Speed

Adjust the air flow by switching the fan knob (B) to the desired speed. Turning the fan knob (B) to 0 turns the fan off.

Maximum Heating





Use the maximum heating mode for quick heating.

- Turn the temperature control knob (A) all the way to the red area for heating.
- Turn the fan control knob (B) to maximum speed.



Note

Do not use it for lengthy periods. It can result in an accident because the interior air may become stale and the windows may fog, causing loss of driver's visibility.

Demisting and Defrosting the Windows

- Turn the air distribution knob (C) to  and the cooling will be automatically switched on, although the temperature control knob LED  will not illuminate. The cooling remains switched on as long as the air distribution knob (C) is on the  position and the fan is on, for higher efficiency.
 - Set the temperature control (A) to the desired temperature level.
 - Switch on the heated rear window (E).
 - Open the side air vents as required and direct them towards the door windows.
- See Heated Rear Window  1-12.


⚠ CAUTION!

Do not use the  button or the  button in extremely humid weather when the temperature control knob is set to the blue area.

The difference between the outside air and the temperature of the windscreen can cause the windows to fog, thereby restricting your front vision.

This can lead to an accident which can damage your vehicle and cause personal injuries.

Air Recirculation System

The air recirculation mode is operated with the  button (F).

Use recirculation system whenever you need to cool down the air faster and for maximum cooling. Use it also whenever driving on dusty or smelly roads, to avoid particles and odors to penetrate the passenger compartment.

⚠ WARNING!

Driving in recirculation mode for a prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up.

The quality of the passenger compartment air deteriorates and may cause the vehicle occupants to feel drowsy.




⚠ WARNING!

Do not sleep in a vehicle with the air conditioning or heating system on.

It may cause serious harm or death due to a drop in oxygen content and/or body temperature.

**Auto Air Recirculation System
(If equipped)**

To speed up the cool down and reach the desirable temperature faster, the air recirculation system will be automatically activated by selecting all the following functions:


- Air distribution knob (C) to position  or  or .
- Fan speed (B) to position 3 or 4.
- Cooling (D) on.

The LED of the  knob will illuminate.

After reaching the desirable temperature, the recirculation mode can be deactivated anytime by either pressing the recirculation button (F) or by moving the fan speed (B) back to position 1 or 2.

In case the recirculation is not deactivated by the customer, it will be automatically deactivated after 30 minutes, to allow fresh air into the passenger compartment once again.

Cooling

Press the  knob to turn the air conditioning on and off. The air conditioning is only functional when the engine and fan are running.

The air conditioning system cools and dehumidifies (dries) when the outside temperature is a little above freezing point.

Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

The air conditioning will not operate when the fan control knob (B) is in the 0 position. Even though the air conditioning is turned on (D), the vehicle will produce warm air if the temperature knob is set in the red area. To turn off the air conditioning system, press the u knob again or turn the fan knob (B) to 0. If the cooling system (D) is on and you turn the fan knob (B) to 0, the cooling system remains on but inactive, since the fan is on 0. When you turn it back to motion, the air conditioning will work again.

⚠ CAUTION!
Use only correct refrigerant.


⚠ WARNING!
It is recommended to service the climate control systems by a Chevrolet Dealership Network or Authorized Repair Shop. Improper service methods may cause personal injury.

Normal Cooling

- Operate the air conditioning system (D).
- Turn the temperature control knob (A) to the blue area for cooling.
- Turn the air distribution knob (C) to the desired position.
- Adjust the fan control knob (B) to the desired speed.

Maximum Cooling

Briefly open the windows so that the hot air can disperse quickly.

- Switch on the cooling (D).
- Switch on the air circulation system (F).
- Turn the air distribution knob (C) to .
- Set the temperature control (A) to the coldest level.
- Set the fan speed (B) to the highest level.
- Open all the vents.

Indication of Settings

The selected functions are indicated by the LED of the activated button.

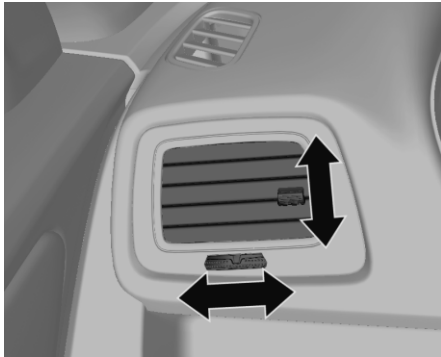
AIR VENTS

Adjustable Air Vents

The air vents must not be closed completely while the cooling system is on.



Direct the air flow by tilting and swivelling the slats and the adjuster wheel.

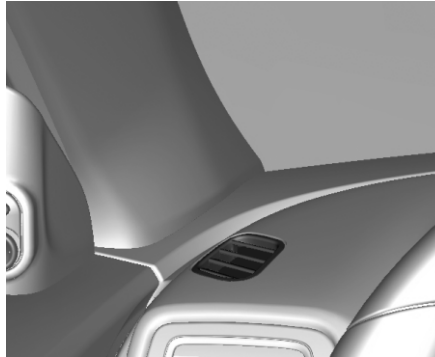


To open the side vents turn the slats upward and turn the adjuster wheel to the left and right until the desired direction is found. If you do not want the flow, turn the slats down.

⚠ WARNING!

Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

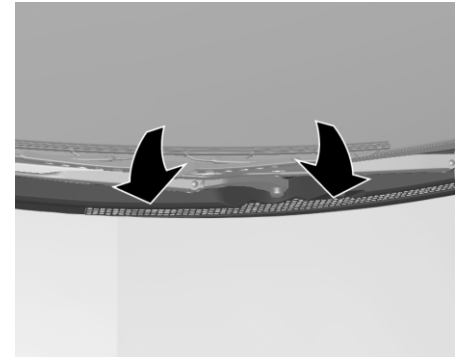
Fixed Air Vents



Additional air vents are located beneath the windscreen and door windows and in the foot wells.

MAINTENANCE

Air Intake



The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

Air Conditioning Regular Operation

In order to ensure continuously efficient performance, cooling must be operated for at least 10 minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when outside temperature is low.

8

DRIVING AND OPERATING

- DRIVING INFORMATION 8-2
- STARTING AND OPERATING 8-11
- ENGINE EXHAUST 8-13
- AUTOMATIC TRANSMISSION 8-14
- MANUAL TRANSMISSION 8-16
- BRAKES 8-17
- FUEL 8-19

DRIVING INFORMATION

Driving Environment

General Motors is continuously concerned with environmental protection and has used environment-friendly materials and recycled materials as much as possible in the design and assembly of products.

The production methods also meet the requirements of environmental protection.

The use of harmful materials such as asbestos and cadmium has been discontinued. The air conditioning system uses a hydrocarbonate fluorochloride-free refrigerant. The pollutant percentage in the exhaust has been reduced.

Environmental Policy of General Motors

"General Motors is committed to preserving the environment and natural resources through the establishment of goals and targets that enable continuous improvement of its environmental performance, for waste reduction, compliance to laws and rules, the prevention of pollution, and good communication with the community."

Note

- The use of lubricating oil results in its partial damage, which is reflected in the formation of carcinogenic compounds, resins, among others.
- The disposal of used lubricating oil in soil or waterways is prohibited by law and create serious environmental damage.
- The uncontrolled combustion of lubricating oil generates harmful residual gases to the environment.

- Recycling is the proper disposal method for this residue.

Recycling Requirements

When you need to change the lubricating oil, look preferably for a Dealer.

Driving for Better Fuel Economy

Important information about fuel consumption:

- Avoid accelerating the vehicle too much. Abrupt changes of speed will increase the consumption.
- Low air pressure in tyres will decrease the performance, increase the fuel consumption and result in premature tyre wear.
- A low quality fuel will damage the engine and increase the consumption.

Defensive Driving

Driving with a defensive attitude is the best recommendation.

Start by fastening the seat belt.

A defensive attitude when driving results in being ready for unforeseen situations of any kind. Assume that other drivers or pedestrians will lack attention or make a mistake.

Try to foresee what the behavior of the other drivers will be and consider every possible mistake.

The most common accidents involve the rear end of the vehicle. Maintaining safe distance is one more measure to avoid crashes.

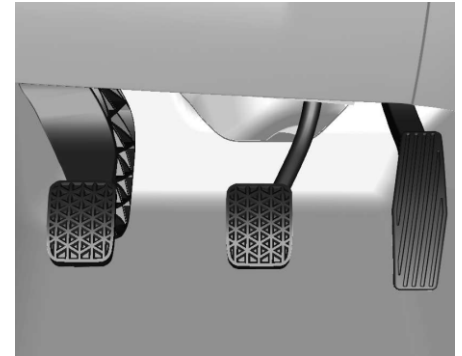
For the urban and rural areas, the best method is to drive defensively. The unsuspected reaction of the front vehicle can result in an abrupt turn or stop.

Control of a Vehicle

Never Turn the Engine Off While the Vehicle is Running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Pedals



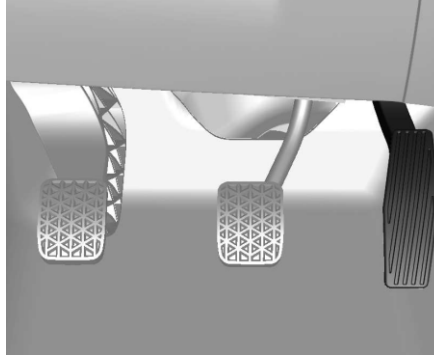
To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Floor Mat**⚠ WARNING!**

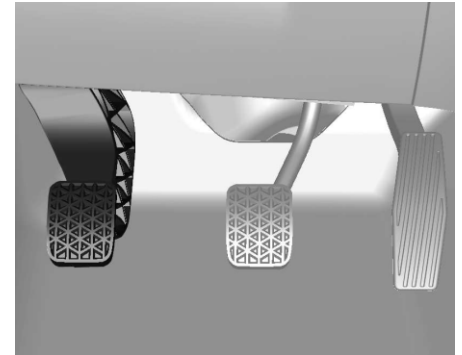
- Make sure that the floor mat does not interfere with the pedals.
- Always use an appropriate size floor mat and have it installed properly; otherwise, it could obstruct the accelerator, brake or clutch pedals. Obstructing the pedals may cause involuntary acceleration, increased stopping distance or difficulty on gear shifting, which can result in a crash and injury.
- The original floor mats have been designed for your vehicle. If they need to be replaced, choose original equipment mats. Floor mats which were not designed for your vehicle may not fit properly and interfere with the pedal finish.

Follow the instructions in order to use your floor mats properly.

- Always check that the floor mats are not interfering with the pedals.
- Use the floor mat facing up. Do not use it facing down.
- Do not place anything on the floor mat on the driver's side.
- Use only one floor mat on the driver's side. Never put one floor mat on top of the other.

Accelerator Pedal

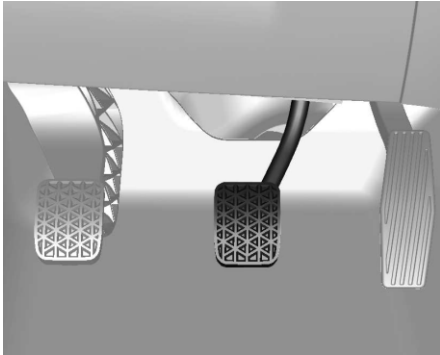
Sudden accelerations lead to fuel consumption increase. Whenever the engine revolution rises, try to shift into the next gear.

Clutch Pedal**Note**

Do not drive resting the foot on the clutch pedal. This habit may result in damage to the clutch system and engine, along with increasing the fuel consumption.

⚠ CAUTION!

Do not shift suddenly to a low gear when driving on slippery roads. This may cause brake effect on the traction wheels, and cause skidding.

Brake Pedal

When pressing the brake pedal, the brake light is switched on the rear lights and the high-mount brake.

⚠ WARNING!

- Apply the brake pedal softly and progressively. Avoid abrupt applications, which can cause dangerous skidding, along with excessive tyre wear. See Antilock Brake System (ABS) Warning Light ↻ 4-11.
- Pay attention to the fault indicator lamps on brake systems.
- Do not drive with the engine switched off, the brake servo will not operate, requiring more foot pressure to actuate the brakes.

⚠ WARNING!

- If the engine stops functioning with the vehicle in movement, brake normally, pressing and holding the brake pedal without pumping it, otherwise the vacuum on the brake servo unit will deplete, losing the brake assistance in the brake application. Consequently the brake pedal must be fully pressed with greater pedal pressure and the distance required for braking will be greater.
- If the brake pedal does not return to the initial height or the travel of the brake pedal has increased, this indicates that there is a failure in the brake system. Consult a Dealer immediately.
- The brake fluid level in the reservoir should be checked regularly.
- Check the brake lamps regularly.

⚠ CAUTION!

When driving downhill keep the ignition on and use a proper gear. Driving in neutral or with the ignition off is very dangerous. The brakes will have to do extra work. They will be excessive hot and will not be effective.

Braking**Applying the Brakes**

Braking action involves perception time and reaction time. First, you have to decide to push on the brake pedal. That is perception time. Then you have to bring up your foot to do it. That is reaction time. Average reaction time is about 3/4 of a second, but that is only an average. It might be less with one driver and as long as two seconds or more with another. Age, physical condition, alertness, coordination and eyesight play a part, so do alcohol and drugs. But even in 3/4 of a second, a vehicle moving at 100 km/h travels 20 m. That could be a lot of distance in an emergency, so keeping enough space between your vehicle and others is important. And of course, actual stopping distances vary greatly with the surface of the road (whether it is pavement or gravel), the condition of the road (wet, dry), tyre tread and your brakes.

Nevertheless, some people overload the brake system when they use the brakes incorrectly.

Observe the following

- Do not obstruct the brake pedal travel.
- Avoid needless heavy braking - some people drive in spurts - heavy acceleration followed by heavy braking - rather than keeping pace with traffic. This is a mistake. Your brakes will wear much faster if you do a lot of heavy braking. There is also the risk of dangerous skids.

- To increase your brake life, try to follow the traffic pace, avoid needless braking and allow for safe following distances. If you ever have to use the brakes to slow down, apply them gently and continuously.
- Do not drive with the engine off. The brake booster will not function, requiring more effort to make the brakes work.
- If your engine stops while you are driving, brake normally but do not pump your brakes, otherwise the vacuum of power assist will be used up, resulting the brake pedal being harder to push and longer braking distances.
- Some driving or climatic conditions may generate occasional brake squeak either when the brakes are applied lightly or the first time the brakes are applied. This is not a failure.

Brake Pedal Travel

Take your vehicle to a Dealer anytime you notice the brake pedal does not return or the brake pedal travel becomes longer. This may be an indicator of brake system failure.

Braking in Emergencies

The following instructions refer to vehicle not equipped with ABS. For vehicle with ABS see Antilock Brake System (ABS) ↗ 8-18. Everybody has faced a heavy-braking situation. When it happens, the vehicle may not follow the direction of the steering and may follow the wheel direction before they locked. Your vehicle may leave the road.

Brake gradually. This method provides you with maximum braking and steering control.

Press the brake pedal gradually and harder.

In case of an emergency, you are likely to want to apply the brakes hard without locking the wheels. Release the brake pedal if you feel or hear the wheels drag. This will help you keep steering control.

Steering

Emergency Steering

Under some situations, steering may be more efficient than braking.

For example, if you get closer to a hill and find a truck parked in your lane or if suddenly a vehicle comes into sight from somewhere or if a child runs from behind parked vehicles and stops right in front of you.

You could avoid these problems by applying the brakes – if it is possible to stop in time.

But sometimes this is not possible because there is no room. It is the time for a defensive action – by steering around the problem.

First apply the brakes – do not do it enough to lock the front wheels. With the risk of collision, it is always advisable to slow down first. Then, steer around the problem, to the right or to the left, depending on the space available. An emergency situation, as described above, will require the driver's full attention and a quick decision.

If you are holding the steering wheel as recommended in the nine and three o'clock position, you could make a 180° quick turn without taking the hands off the steering wheel. But you have to move fast, steer quickly and then straighten the wheel as soon as you have overcome the object.

The fact that emergency situations are always possible is reason enough to practise defensive driving and use the safety belts correctly.

Off-Road Recovery

There could be situations in which the right side wheels leave the road and mount the road shoulder. Should the road shoulder level be a little below the road, returning would be very easy. Relieve the accelerator pedal if there is nothing ahead of you, steer so that vehicle can return to the road. You may steer up to a j of a turn so that the front wheels touch the road edge. Then turn the steering wheel to align the vehicle.

1. Road edge.
2. Decelerate.
3. Steer about j of a turn.
4. Resume the straight line.

Off-Road Driving

Before Driving Off-road

Some items should be observed before driving off-road. For example:

- Be sure that all repair and maintenance services have been performed.
- Check the fuel level.
- Check spare tyre pressure as specified in technical data chapter.
- Check fluid levels as specified in vehicle care chapter.

After Driving Off-road

Remove all material packed in the vehicle lower end, chassis or under the engine bonnet. This may be a fire hazard. After driving over mud or sand, clean and check the brake linings.

These substances may cause abnormal braking and glazed linings. Check the body frame, steering, suspension, wheels, tyres, exhaust system, fuel lines and cooling system.

During use off-road, your vehicle will demand more frequency maintenance.

Be Familiar with the Off-road Driving

Before starting any trip, it is advisable to practise in an area which is safe and near by. The off-road driving requires some new and different abilities such as be aware of the types of different signs. Your vision, for example, should constantly observe the ground for unexpected restrictions. Try to hear uncommon noises from tyres and engine.

Your arms, feet and body should answer to the vibrations and motion coming from the vehicle. The vehicle control is the main factor of good off-road drive. A better way to control the vehicle is to control the speed. There are some points that must be observed. At high speeds:

- You get closer to objects more quickly and have less time to observe the ground restrictions.
- You have less time to react.
- The vehicle swings more when being driven over obstacles.
- You need more braking distance, especially if you are driving on unpaved roads.

⚠ CAUTION!

When driving off-road, sudden motion and manoeuvres can make you lose control of the steering. This could cause a collision. Therefore, when driving on-road and off-road, you and your passengers should wear seat belts.

Driving through Fog



High-level humidity in the air and heavy frost increase the possibility of fog, which may impair the visibility.

When driving through fog, the driver should slow down and maintain a safe distance from the vehicle in front. Do not underestimate the change of the fog density, thus avoiding the risk of an accident. Fog density is better estimated by observing the hazy view of the vehicles front lights.

Tips to Drive through Fog

- Turn on the front fog lights or low beam headlights, even during daylight.
- Do not turn on the high beam headlights.
- Use the rear window heater. Activate the windscreen wiper and washer for a few moments. The humidity on the outside of the windows might seem like fog.
- If it is almost impossible to see the outside and you need to stop, but you are not sure if you are on the road, turn on the headlights, activate the hazard warning flashers and sound the horn periodically or when you notice an approaching vehicle.
- While driving through fog, do not pass vehicles unless you have good front visibility and it is safe to do so. If attempting to pass, be prepared to drop back in case of an approaching vehicle.

Driving Over Mud or Sand



When driving over mud or sand, maintain vehicle motion by using a low gear. Due to the loss of traction, it becomes more difficult to steer, accelerate and brake. For better traction while driving through very loose sand, slightly relieve the tyre air pressure.

Note

After driving in mud or sand, clean and check brake linings. If this is not performed, it may cause irregular braking or glassy lining. Check body structure, steering, suspension, wheels, tyres and the exhaust system.

Driving on Wet Roads

Driving through Flooded Areas

Flooded areas should be avoided in any situation. A water covered road prevents the driver from evaluating its conditions properly. The damage caused due to water entry in the engine and other vehicle parts is not covered by warranty.



Drive at low speed through any flooded area and make sure the water limit does not exceed the wheel centre of height.



In case driving through any flooded area is required, do it at low speeds, around 10 km/h in first gear.

Observe any large vehicles driving nearby, stay away from large water waves which increase the chances of damage. When passing through flooded areas, the most severe problem that can occur is the feasibility of water entering inside the engine, through the intake air system. This is known as “hydraulic ram”. The water does not allow for the pistons displacement and consequently the engine components are damaged. In this case, the engine is severely damaged and the vehicle will stop immediately or some time later, depending on the damage level.

Do not try to operate the engine again. This could increase the damage on the vehicle. The warranty will not cover the engine damages resulting from water penetration.

⚠ CAUTION!

Driving through water streams could be dangerous. The water could drag the vehicle causing drowning. Even a few centimeter stream may impair the tyre to ground contact, causing loss of traction and vehicle roll over. Do not drive in water streams.

Driving in the Rain

Rain and wet roads can mean driving trouble. On a wet road you cannot stop, accelerate or turn as well because the tyre to road grip is not as good as it would be on dry roads, and, if the tyres do not have much tread left, you will get even less traction. If it starts to rain while you are driving, it is always wise to go slower and be cautious.



The surface may suddenly get wet while your reflexes are still used to driving on dry roads. The heavier the rain, the harder it is to be seen. Even if your windscreen wiper blades are in good shape, a heavy rain can make it harder to see road signs and traffic signals, pavement markings, the edge of the road, and even people walking. The road spray can make vision harder than the rain itself, especially on a dirty road.

It is wise to keep your wiping equipment in good shape and have the windscreen washer tank filled. Replace the windscreen wiper blades when they show signs of wear or miss areas on the windscreen, or when strips of rubber start to separate from the blades.

The water may affect your brakes. Try to avoid flooded areas, but if you cannot, try to slow down before you hit them. Wet brakes can cause accidents. They will not work well in a sudden stop and may cause pulling to one side. You could lose control of the vehicle.

After driving through flooded areas or a car wash, apply the brake pedal lightly until the brakes work normally.

Some Tips to Observe for Rainy Weather

- Turn on the low beam headlights, even during daylight.
- Turn on the wiper blades.
- Slow down and be cautious.
- Increase the distance from the vehicle in front.
- Use the rear window heater if required.

Note

When it is raining, the tyres and the wiper blades have a higher workload. Therefore, always keep the tyres and the wiper blades in good condition.

Hydroplaning



A lot of water can build up under your tyres, so that they can actually ride on the water. This is a very dangerous situation.

This can occur when the road is wet enough and you are driving fast enough. When your vehicle is hydroplaning, it has little or no contact with the road.

You may not notice hydroplaning and even drive for some time without noticing that your tyres are not contacting the lane constantly. Maybe you notice hydroplaning when you try to slow down, take a curve, change lanes to pass one vehicle or when you are hit by a gust of wind.

It can happen when your tyres do not have much tread or if the pressure in one or more of the tyres is low. It can happen when a lot of water is standing on the road.

If you can see reflections from trees, telephone poles or other vehicles, and raindrops dimple the water's surface, there could be hydroplaning.

Hydroplaning usually happens at higher speeds.

A hard and fast rule about hydroplaning does not exist. The best advice is to slow down when it is raining - and to be alert.

Driving at Night



While driving at night, the driver must:

- Drive defensively.
- Do not drink and drive.
- Slow down and allow higher distance between your vehicle and other drivers.
- In remote areas, watch for animals.

- If you are tired, pull over in a safe place and rest.
- Keep the windshield and all glass clean inside and outside. Glare at night is made much worse by dirt on the glass. Even the inside of the glass can build up a film caused by dust. Cigarette smoke blurs the windows inside thus making vision difficult.
- Keep in mind that headlights light up far less of a roadway when you are in a curve.

Hill and Mountain Roads

Driving on steep hills or mountains is different from driving in flat or rolling terrain. If you drive regularly in steep country, or if you are planning to visit this kind of territory, some care will be necessary.

To make your trips safer and more enjoyable:

- Keep your vehicle in good shape. Check all fluid levels and also the brakes, tyres and cooling system.
- Know how to go down hills. Do not rely on the brakes only. Also let the engine do some of the slowing down. Shift to a lower gear; this way you will reduce speed without using the brakes excessively.

CAUTION!

If you do not shift down, the brakes could be so hot that they do not work well. Shift down to let the engine assist the brakes on a steep downhill slope.

Driving in neutral or with the ignition off is very dangerous. The brakes will have to do extra work. They will be excessively hot and will not be effective. When driving downhill keep the ignition on and use a proper gear.

- Know how to go uphill. Shift into a lower gear. For engine cooling purposes, keep the lowest gear that permits using the desired speed without heating the engine excessively. Stay in your lane when driving on two-lane roads in hills or mountains. Do not enter the opposite lane or cut across the centre of the road. Drive at speeds that let you stay in your own lane. This will allow you to be aware of with drivers coming in the opposite direction. Passing when driving uphill will take longer. Keep safe distances when passing. Make passing easier for other vehicles.
- When driving on uphill roads be aware of road obstructions resulting from accidents or failing vehicles.
- You may find special signals in mountain roads. Examples may be long grades, no passing zones, falling rock area or winding roads. Be alert and drive appropriately.

If the Vehicle Is Stuck

Never spin the wheels if the vehicle is stuck. The method known as balance may help get the vehicle unstuck, but be careful.

CAUTION!

If they spin at high speed, the tyres may blow out, resulting in personal injuries to you and other people. The transmission or other components may overheat. In cases where the vehicle is stuck, turn the wheels as little as possible. Do not spin them at speeds over 55 km/h as indicated in the speedometer.

Note

Spinning the wheels may result in ruining components of your vehicle as well as the tyres. If the wheels spin at high speeds when shifting to forward and backward speeds, the transmission could be damaged.

Bouncing the Vehicle to Set it Free

The bouncing method may help while the vehicle is stuck. To do that, the driver must follow the steps below.

1. Turn the steering wheel to the right and to the left.
2. Alternate the transmission between first, second and reverse gear, releasing the accelerator when shifting.
3. After the transmission is shifted, slightly press the accelerator.
4. If the vehicle is still stuck after a few tries, it has to be towed.

STARTING AND OPERATING

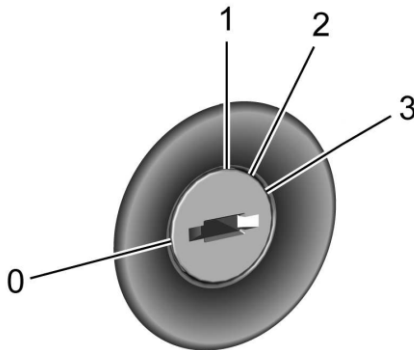
New Vehicle Break-In

Use the following precautions for the first few hundred kilometres to improve the performance and economy of your vehicle and add to its long life:

- Avoid full-acceleration starts.
- Do not race the engine.
- Avoid hard stops except in emergencies. This will allow your brakes to run in properly.
- Avoid quick starts, sudden accelerations, and prolonged high-speed driving in order to avoid damage to the engine and to conserve fuel.
- Avoid full acceleration in low gear.
- Do not tow any other vehicle.

Ignition Positions

Ignition Switch Positions



The ignition switch has four key positions:

0 : Lock / Off

This position turns the engine off, locks the ignition and for vehicles equipped with steering wheel lock, this position also locks the steering wheel. It also locks the transmission on automatic transmission vehicles. The key can be removed only in this position. If the vehicle is equipped with steering wheel lock, the steering can bind when the wheels are turned off center and the ignition is in this position, which may prevent starting the vehicle [or key removal]. If this happens, move the steering wheel from right to left while turning the key to Accessory. If this does not work, then the vehicle needs service

1 : Accessory

This position allows functionalities like the infotainment system and the windshield wipers operate while the engine is off.

It also unlocks the steering wheel and the transmission, on automatic transmission vehicles. Use this position if the vehicle must be pushed or towed.

2 : On / Run

The key stays in this position when the engine has been started and is running. This position can also be used when the engine is off to operate the electrical accessories and to display some instrument cluster warning and indicator lights. This position can also be used for service and diagnostics, and to verify the proper operation of the malfunction indicator

lamp as may be required for emission inspection purposes.

If the vehicle is equipped with steering wheel lock, the steering wheel is unlocked in this position. The transmission is unlocked in this position on automatic transmission vehicles.

If the key is left in the Accessory or On /Run position with the engine off, the battery could be drained. The vehicle may not start if the battery is allowed to drain for an extended period of time.

3 : Start

This is the position that starts the engine.

When the engine starts, release the key. The key will return to On / Run for driving.

Shifting Out of P (Park) — If equipped To shift out of P (Park), the ignition switch must be in the On / Run or Accessory position and the brake pedal must be applied.

Turning the Engine Off

When the vehicle is stopped, push the key in toward the steering column and turn the key to Lock / Off to turn the engine off.

Do not turn the engine off when the vehicle moving. This may cause a loss of power assistance in the brake and steering systems and disable the airbags.

If the vehicle cannot be pulled over, and the engine must be shut off while the vehicle is moving in an emergency:

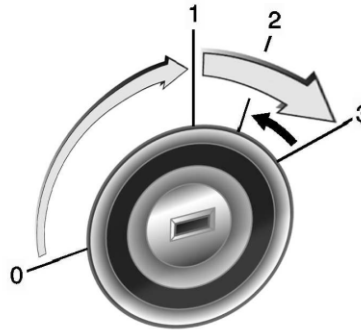
1. Push the key in toward the steering column and turn the key to Accessory.

2. Brake using a firm and steady pressure. Do not pump the brakes repeatedly. This may deplete power assist, requiring increased brake pedal force.
3. Shift the vehicle to N (Neutral). This can be done while the vehicle is moving. After shifting to N (Neutral), firmly apply the brakes and steer the vehicle to a safe location.
4. Come to a complete stop. Shift to P (Park) with an automatic transmission, or Neutral with a manual transmission. Push the key in toward the steering column, then turn the key to Lock/Off.
5. Set the parking brake. See Parking Brake ⇨ 8-18.
- Recommendation: On vehicles equipped with an automatic transmission, firstly shift lever in P (Park) to turn the key to Lock / Off.

⚠ DANGER!
Turning the engine off while the vehicle is moving may cause loss of power assistance in the brake and steering systems and disable the airbags. While driving, only shut the engine off in an emergency.
⚠ CAUTION!
Use the correct key, make sure it is all the way in — or pushed in toward the steering column when turning the engine off — and turn it only with your hand.

Starting the Engine

Starting Engine with the Ignition Switch



- Turn the key to position 1.
 - Move the steering wheel slightly to release the steering wheel lock.
 - Manual transmission: operate the clutch.
 - Automatic transmission: operate the brake and move the selector lever to P or N.
 - Do not accelerate.
 - Turn the key to position 3.
- Before restarting or to switch off the engine, turn key back to 0.

⚠ CAUTION!
Do not operate the starter motor longer than 10 seconds at one time. This may damage the starter motor or discharge the battery.
⚠ CAUTION!
Short frequent engine starts are prohibited without further full warm-up of the engine, especially at low temperatures. This may lead to freezing of condensate in the crankcase ventilation system and further engine damage that would not be covered by the vehicle warranty.

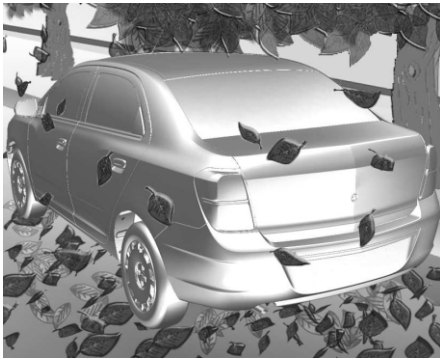
Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake without pressing the release button. Apply as firmly as possible on downhill or uphill slopes. Press the foot brake at the same time to reduce operating force.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, for manual transmission, engage first gear or for automatic transmission set the selector lever to P before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb. If the vehicle is on

a downhill slope, for manual transmission, engage reverse gear or for automatic transmission set the selector lever to P before switching off the ignition. Turn the front wheels towards the kerb.

- Close the windows.
- Lock the vehicle and activate the anti-theft alarm system.

Parking over Things That Burn



Before parking the vehicle, be sure the ground does not contain any flammable material like grass, shrubs, fuel drops, etc.

The engine exhaust is hot and can lead to a fire.

⚠ CAUTION!

Flammable objects could touch hot exhaust parts under your vehicle and ignite. Do not park over papers, leaves, dry grass or other things that can burn.

⚠ DANGER!

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop. Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Catalytic Converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

⚠ WARNING!

Do not keep engine running in closed areas longest than necessary to vehicle maneuver, because the carbon monoxide (CO), which has no colour or odour, is lethal if inhaled.

In the event of faults or engine irregularity following a cold starting, a significant loss of engine power or other anomalies, this may indicate an ignition system fault. The vehicle needs to be towed. Seek the assistance of a Dealer.

AUTOMATIC TRANSMISSION

Cares with the Catalytic Converter:

In case unburned fuel is entering the catalytic converter, this component can be overheated and irreparably damaged.

Therefore, the following have to be avoided:

- Insisting on the starting procedure when the engine presents difficulties to begin functioning.
- Unnecessarily long time during starting.

The water penetration by exhaust pipe can damage the catalytic converter because it works at a high temperature level.

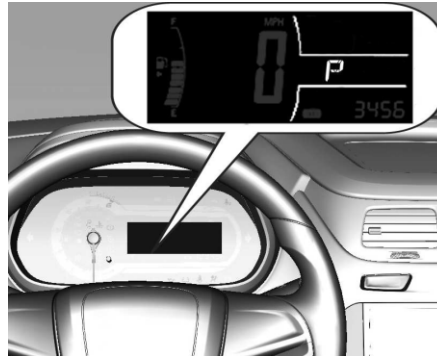
Avoid the application of any product in the vehicle underbody. Some chemical products increase the risk of fire.

An unpleasant and innocuous odor, proceeding from exhaust gases, caused by fuel with high sulphur content at determinate driveability conditions should be perceived.

To ensure a low level of pollutant emissions and the longevity of the catalytic converter system, all maintenance services must be carried out in a Dealer.

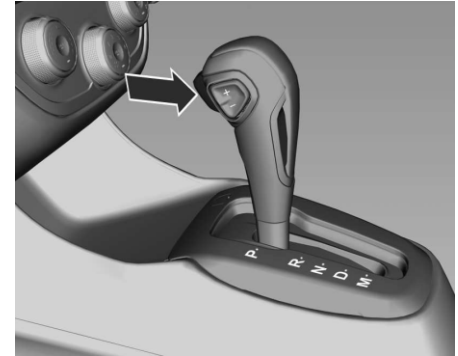
The automatic transmission permits manual gear shifting (manual mode) or automatic gear shifting (automatic mode).

Transmission Display



The mode or selected gear is shown in the transmission display.

Selector Lever



P : Parking position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied

R : Reverse gear, engage only when vehicle is stationary

N : Neutral

D : Automatic mode with all gears

M : Manual mode

Movement between certain gear positions requires pressing the release button on the side of the selector lever.

Press the brake pedal and push the release button to release the lever from **P** position.

To shift to **P**, **M** and **R** positions, press the release button.

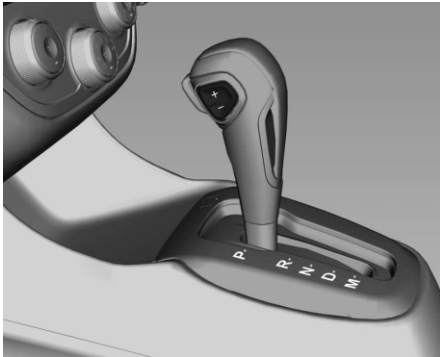
To start the engine, the selector lever should be in either **P** or **N** position.

Do not accelerate while engaging a gear. Never press the accelerator pedal and brake pedal at the same time. When a gear is engaged, the vehicle slowly begins to move when the brake is released.

⚠ CAUTION!

Do not shift to neutral while the vehicle is moving. This may cause damage to your transmission and personal injury.

Manual Mode



Move selector lever to position **M**. Press the shift gear button located on the selector lever.

UP (+) : to shift to higher gear

DOWN (-) : to shift to lower gear

To maintain the required levels of vehicle performance and safety, the system may not execute certain gearshifts when the selector lever is operated.

In manual mode, downshifts are made automatically when the vehicle slows down.

When the vehicle stops, 1st gear is automatically selected.

In order to provide more engine torque in any emergency situation, downshifts can also occur if the accelerator pedal is completely pressed down. Upshifts are also possible if the engine rotation reaches the maximum admissible speed (cut-off).

⚠ CAUTION!

Shift properly according to road conditions.

Engine Braking

To utilize the engine braking effect, select a lower gear when driving downhill.

Rocking the Vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **D** and **R** in a repeated pattern. Do not race the engine.

Parking

Apply the parking brake, engage **P** and remove the ignition key.


Electronic Driving Programs

- Following a cold start, the operating temperature programme increases engine speed to bring the catalytic converter quickly to the required temperature.
- The automatic neutral shift function automatically shifts to idle when the vehicle is stopped with a forward gear engaged.

Kickdown

If the accelerator pedal is completely pressed down, depending on the engine speed, the transmission shifts to a lower gear.

Fault

In the event of a fault, the malfunction indicator light  illuminates. The transmission will no longer shift automatically or manually because it is locked in a certain gear.

Have the cause of the fault rectified by a Dealer.

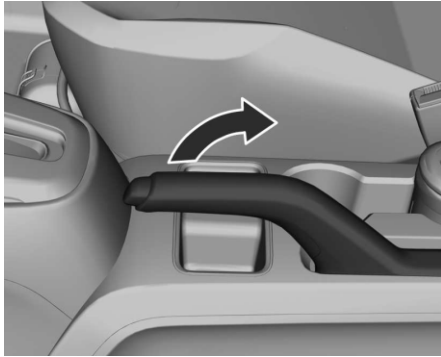
Interruption of Power Supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be moved out of the ignition lock.

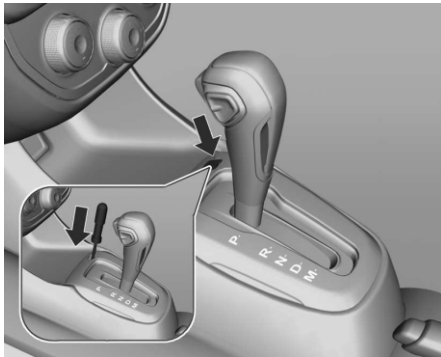
If the battery is discharged, start the vehicle using jump cables, see Jump Starting ↗ 9-31.

If the battery is not the cause of the fault, release selector lever and remove the ignition key from the ignition lock.

Release Selector Lever



1. Apply the parking brake.



2. Open cover to the right of the selector lever.
3. Insert a screwdriver in the hole until the lever is unlocked, move the selector lever out of P position and move to the **N** position.
4. Close cover.

MANUAL TRANSMISSION



Shift lever positions:

● : Neutral

1 to 5 : First to fifth gear

R : Reverse gear

Gears Towards

Press the clutch pedal and move the shift lever according to the scheme. When shifting to a lower gear, do not accelerate the engine to a very high revolution.

Reverse Gear

Press the clutch pedal and push the shift lever towards position **R**.

BRAKES

Note

Place the shift lever in position **R** (reverse gear) only with the vehicle stopped and few seconds after pressing the clutch pedal.

If the gear does not engage easily, return the shift lever to neutral position and remove the foot from the clutch pedal, press it again and move the shift lever.

Note

The electronic module does not avoid damage to the engine due to high revolution peaks in case of improper downshifts. For example:

- Trying to shift from the 4th to 5th speed, you engage the 3rd speed mistakenly.
- Disengaging the engine in a long downhill (and when engaging it again, you use a very low speed).

Under these hypotheses, regardless of the electronic module operation, the engine revolution will increase regardless of the amount of fuel injection. It could surpass the tolerance limits and lead to severe damages to the inner engine components.

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit.

However, the braking effect is achieved only when the brake pedal is pressed firmly.

Considerably more force is needed for this.

The braking distance is extended. Seek the assistance of a Dealer before continuing your journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. The braking effect is not reduced, but braking requires significantly greater force.

It is especially important to bear this in mind when being towed.

⚠ CAUTION!

If one of the circuits fails, the brake pedal must be pressed with greater pressure and the braking distance may increase.

Have the brake system checked and repaired by a Dealer.

If the brake pedal can be pressed further than normal, the brakes may need repair.

Consult a Dealer.

⚠ CAUTION!

Do not drive with your foot resting on the brake pedal. This will accelerate wear of the brake components. The brakes may also become overheated, resulting in longer braking distance and an unsafe condition.

⚠ WARNING!

After driving through deep water, washing the vehicle, or using the brakes excessively when going down a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating.

If your brakes temporarily lose their stopping power because of overheating:

Shift to a lower gear when going down hills. Do not continuously apply the brakes.

If your brakes temporarily lose their power because of wet brake components, the following procedure will help restore their normal performance:

1. Check behind you for other vehicles.
2. Keep a safe forward speed with plenty of space to your rear and sides.
3. Gently apply the brakes until normal performance is restored.

See Brake and Clutch System Warning Light ⇨ 4-10.

Antilock Brake System (ABS)

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock.

The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully pressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

The ABS control can be known by vibration and noise of the ABS process.

Do not decrease your power to press the foot brake.

When you start the vehicle after the ignition is switched on, you can hear mechanical sounds. It is normal that the ABS is to be ready.

See Antilock Brake System (ABS) Warning Light ↻4-11.

Adaptive brake light

During full braking, all brake lights flash for the duration of ABS control.

Fault

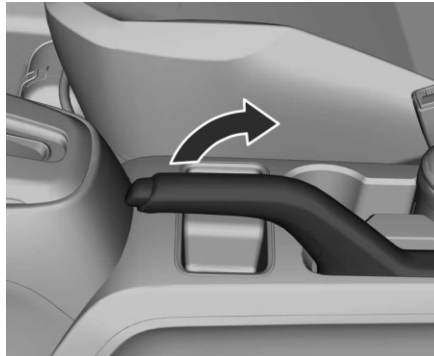
⚠ WARNING!

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Depending on the severity of the emergency braking, the vehicle might blink the brake lamps as a warning for other vehicles.

Have the cause of the fault remedied by a Dealer.

Parking Brake



Always apply the parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.

To reduce the operating forces of the parking brake, press the foot brake at the same time.

See Brake and Clutch System Warning Light ↻4-10.

⚠ CAUTION!

Never apply the parking brake with the vehicle running. This can cause vehicle whirling and personal injuries.

Brake Assist

If the brake pedal is pressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required.

Maximum brake force is automatically reduced when the brake pedal is released.

FUEL

Recommended Fuel

Fuel with maximum 10% of ethanol may be used.

The fuel should be approved by the legislation of your country. Use of fuel with less than 91 RON of octane rating can reduce the engine power and torque and slightly increase fuel consumption.

⚠ CAUTION!

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Prohibited Fuels

Gasolines containing oxygenates such as ethers and ethanol, as well as reformulated gasolines, are available in some cities.

If these gasolines comply with the previously described specification, then they are acceptable to use. However, E85 (85% ethanol) and other fuels containing more than 15% ethanol must be used only in FlexFuel vehicles.

⚠ CAUTION!

Do not use fuel containing methanol. It can corrode metal parts in the fuel system and also damage plastic and rubber parts. That damage would not be covered under the vehicle warranty.

Some gasolines, mainly high octane racing gasolines, can contain an octane-enhancing additive called methycyclopentadienyl manganese tricarbonyl (MMT). Do not use gasolines and/or fuel additives with MMT as they can reduce spark plug life and affect emission control system performance. The malfunction indicator lamp may turn on. If this occurs, see your dealer for service.

Refuelling

⚠ DANGER!

Before refuelling, switch off the engine and any external heaters with combustion chambers. Switch off any mobile phones. Follow the operating and safety instructions of the gas station when refuelling.

⚠ DANGER!

Fuel is flammable and explosive. No smoking. No naked flames or sparks. If you can smell fuel in your vehicle, have the cause of this remedied immediately by a Dealer.

⚠ CAUTION!

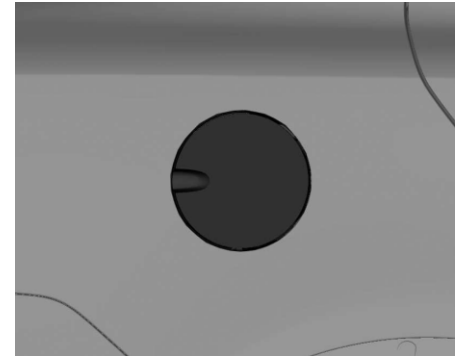
If you use inappropriate grade fuel or put incorrect fuel additives into the fuel tank, the engine and catalytic converter may be seriously damaged.

Be sure to use the correct fuel (petrol or ethanol) corresponding to your vehicle when refuelling. If you fill the flex vehicle with diesel, your vehicle can be seriously damaged.

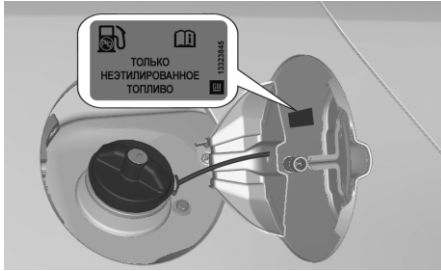
⚠ CAUTION!

In case of misfuelling, do not switch on ignition.

The fuel filler flap is located at right rear side of vehicle.



For vehicles without power door locks the fuel filler cap must be opened with the key. Release the fuel filler flap by pulling the flap. For vehicles equipped with power door locks, release the fuel filler flap by pressing the button of the central locking system or of the radio remote control, and pull the flap to open.



⚠ CAUTION!

Wipe off any overflowing fuel immediately.

Fuel Filler Cap

Only a genuine fuel filler cap provides full functionality.

Avoid any damages

Never use any fuels other than quality-recommendations, nor containing manganese-base metallic additives. Never add to the fuel tank of your vehicle any additives recommended for different fuels, since the engine, fuel injectors, catalyst and all sensors of

the anti-contamination system are likely to be submitted to severe damage that would not be covered by the vehicle warranty.

Injection Nozzles

The injection nozzles of vehicles are of self-cleaning type and thus will not require any periodical cleaning.

Fuel Filter

Replace the fuel filter according the recommended intervals found in the Maintenance Plan.

Note

Since it works at a higher pressure than the conventional systems, the fuel injection system requires some servicing care. Replace the fuel filter and hoses only with original GM parts.

Fuel Additives

Gasoline should contain detergent additives that help prevent engine and fuel system deposits from forming. Clean fuel injectors and intake valves will allow the emission control system to work properly. Some gasoline does not contain sufficient quantities of additive to keep fuel injectors and intake valves clean. To make up for this lack of detergency, add Fuel System Treatment PLUS to the fuel tank at every engine oil change or every 15 000 km, whichever occurs first. It is available at your dealer.

Fuel for Petrol Engines



Only use unleaded fuel that complies with Technical Regulations in effect (N° 118 OT 27.02.2008 with amendments of 25.09.2008 N° 712).

Usage of fuel with quality, not complying to the Technical Regulations in effect (Decree N° 118 OT 27.02.2008 with amendments of 25.09.2008 N° 712) can lead to engine damage and loss of all warranty obligations.

Equivalent standardised fuels with an ethanol content of maximum 10% by volume may be used.

Use fuel with the recommended octane rating, see Engine Data ↗ 11-3.

⚠ CAUTION!

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

9

VEHICLE CARE

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GENERAL INFORMATION

Accessories and modifications

We recommend to use genuine Parts and Accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

⚠ CAUTION!

Never modify your vehicle. It may affect the performance, durability and safety of the vehicle and the warrant may not cover any problems caused by the modification.

Authorized Service Centers

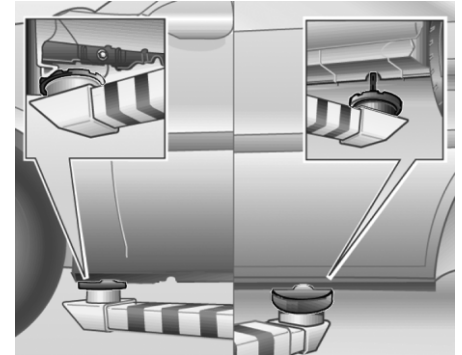
It is important for you to know that if your vehicle has any anomaly, you can take it to any Authorized Service Centers to have it repaired, inside or outside the warranty period. You will be attended by highly qualified professionals.

If any further explanation is deemed necessary, contact the service manager.

⚠ CAUTION!

This vehicle was designed having in mind, among other aspects, the total safety of its passengers. Therefore, its assembly on the manufacture line uses bolts with thread locking adhesive. If bolts are removed for any reason, then they must be replaced by new genuine bolts with the correct code. Furthermore, it is also essential an effective cleaning of the piece which is attached to the bolt with thread locking adhesive, in order to ensure a perfect torque and an effective physical-chemical reaction of the locking chemical compounds when a new bolt is used. This way, we strongly recommend that the vehicle safety systems (brake, seats, suspension, safety belts, etc.) as well as services that indirectly affect such systems are always performed by Dealership Network or Authorized Repair Shop. For further details, contact a Dealership or Authorized Repair Shop of your choice.

Lifting the Vehicle



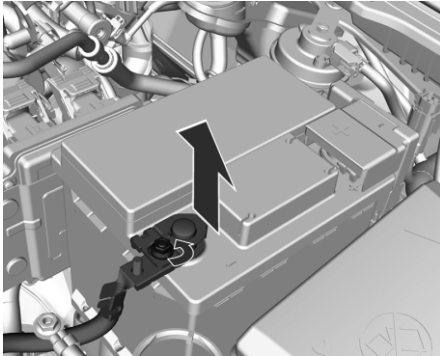
The illustration shows where the supports of a hoist or jack must be placed.

Note

If the hoist's support points or jacks are metallic, a rubber protection must be used to avoid vehicle damages.

Battery Disconnect Switch

Disconnect



1. Open the bonnet.
2. Certify all electric systems are turned off, like audio systems, headlights, anti-theft alarm and accessories. Beware the ignition is switched off and remove the vehicle key from the ignition.
3. Close all vehicle doors and do not activate anti-theft alarm.
4. Remove the battery cover (if equipped).
5. Unscrew the nut of the negative terminal end.
6. Remove the negative terminal end from the battery terminal.

Connect

1. Assure the ignition is switched off and the vehicle key is out of the ignition. Open the bonnet and install the terminal end in the negative battery terminal.
2. Tighten the nut of the terminal end.
3. Install the battery cover (if equipped)
4. Close the bonnet.

Vehicle Storage

Storage for a Long Period of Time

If the vehicle is going to be stored for several months:

- Wash and wax the vehicle.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain washer fluid reservoir.
- Check coolant anti-freeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park vehicle in dry, well ventilated place. Engage the first or the reverse gear or set the selector lever to P, in order to prevent the vehicle from rolling.
- Do not apply the parking brake.
- Disconnect the battery according to the procedure described in battery disconnect switch.
- Please see Battery Disconnect Switch ⇨ 9-3.
- Close the bonnet.

Putting back into Operation

When the vehicle is going to be put back into operation:

- Connect the battery according to the procedure described in battery disconnect switch.
- Check the tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.

Emission Information

- The maximum allowed CO (carbon monoxide) emission at specified idle and ignition timing (initial advance) is 0.5%. This applies to standard fuel specified for emission tests.
- The oil pan emission discharge into the atmosphere should be zero in any vehicle condition.
- This vehicle meets the emission limits set by the current legislation at the date of manufacture in order to control air pollution from motor vehicle.
- The idle speed is not adjustable. The electronic control module (ECM) calculates electronically the CO percent and idle speed adjustments.
- Preferably use fuel with additive found in the fuel stations.

Note

The use of fuel other than the specified one may jeopardize the vehicle performance, cause damage to the fuel injection system, or possibly damage the engine. This type damage is not covered by the vehicle warranty.

VEHICLE CHECKS

Vehicle Checks

Doing Your Own Service Work



⚠ WARNING!

Only perform engine compartment checks when the ignition is off.
The cooling fan may start operating even if the ignition is off.

⚠ DANGER!

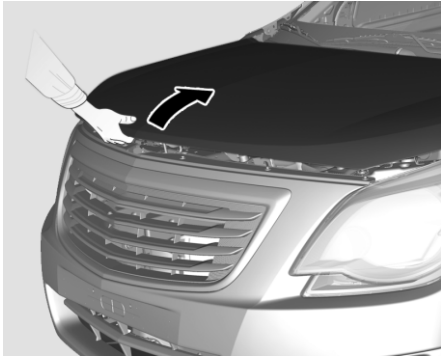
The ignition system uses extremely high voltage. Do not touch.

Hood

Opening



1. Pull the release lever and return it to its original position.

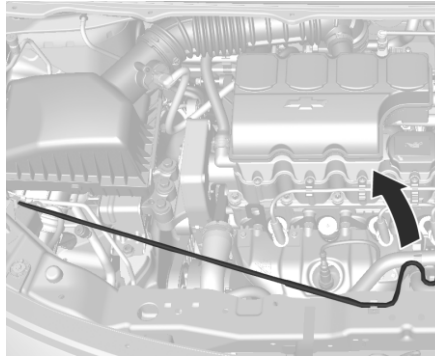


2. Push the safety catch up and open the bonnet.

⚠ WARNING!

When the engine is hot, ensure that you only touch the foam padding of the hood support rod to avoid burning.

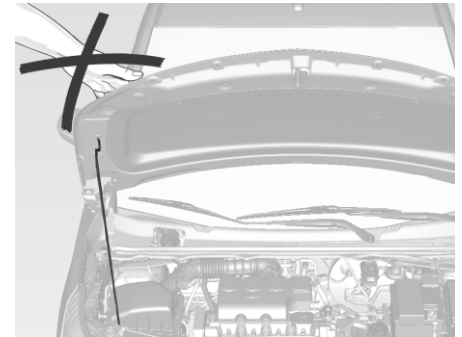
See Air Intake ⇨ 7-6.



To keep the engine bonnet open, insert the sustaining rod in the engine bonnet hole.

Closing

Before closing the bonnet, press the support into the holder. Lower the bonnet and allow it to drop into the catch. Check that the bonnet is engaged.



⚠ CAUTION!

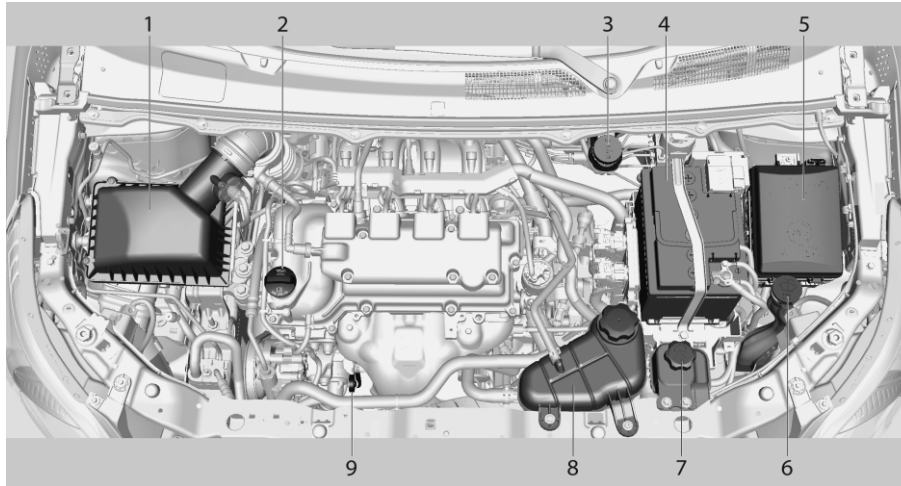
Do not pull down on the bonnet when it is supported by the rod.

⚠ WARNING!

Always observe the following precautions:

- Pull on the front edge of the bonnet to make sure it is latched securely before you drive your vehicle.
- Do not pull the bonnet release handle while your vehicle is moving.
- Do not move your vehicle with the bonnet open. An open bonnet will obscure the driver's vision.
- Operating your vehicle with the bonnet open can lead to a collision resulting in damage to your vehicle to other property, personal injury or even death.

Engine Compartment Overview



1.5L Petrol engine

- | | |
|--|---|
| 1. Engine Air Cleaner/Filter ↪ 9-9 | 6. Washer Fluid Container. See Washer Fluid ↪ 9-12. |
| 2. Engine Oil Cap. See Engine Oil ↪ 9-6 | 7. Power Steering Fluid Container. See Power Steering Fluid ↪ 9-11. |
| 3. Brake Fluid Container. See Brake Fluid ↪ 9-12. | 8. Engine Coolant Container. See Engine Coolant ↪ 9-9. |
| 4. Battery. See Battery ↪ 9-13 | 9. Dipstick for Engine Oil Level. See Engine Oil ↪ 9-7. |
| 5. Engine Compartment Fuse Block. See Engine Compartment Fuse Block ↪ 9-21 | |

Engine Oil

When to Change the Engine Oil

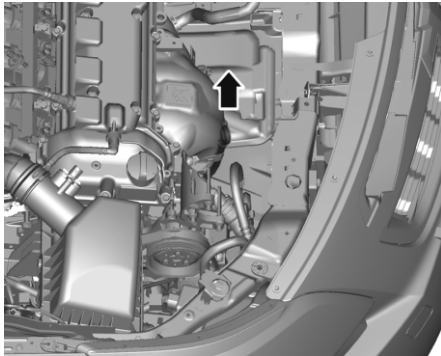
Oil change is performed with the engine warmed-up. Change the oil according to the interval or frequency, whichever occurs first. If the car is used under any severe conditions, the interval / frequency of oil changes is reduced by twice when compared with normal conditions of operation. Always change it with the engine warmed-up.

Note

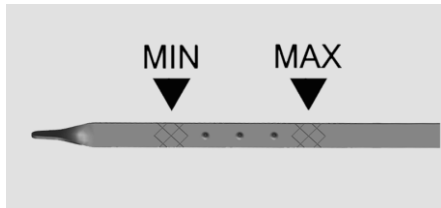
Change the oil according to the time intervals or kilometers run, because oils lose their lubricating properties not only due to the engine operation, but also to ageing. Preferably, change the oil at a Dealer, thus assuring the use of the specified oil for keeping the engine component integrity. Damages caused by the non specified oil will not be covered by the warranty. Inspect the oil level weekly or before planning a trip. It is considered normal fuel consumption up to 0.18 L of oil for each 1,000 km driven. The oil level must be inspected with the vehicle levelled and with the engine (which must be at normal operating temperature) switched off. Park the vehicle on a level ground. After stopping engine wait for 10 minutes before checking the level to allow the normal oil

accumulation in the engine to drain back into the oil pan. If the oil is cold, the oil might require more time to drain back into the oil pan.

Checking the Engine Oil Level



To check the oil level, remove the dipstick.



Clean it completely and insert it totally, remove it again and check the oil level, which must be between the lower (MIN) and upper (MAX) dipstick positions.

Add oil only if the level reaches the lower (MIN) position on the dipstick or if it is under it, maximum of 1 liter, then recheck the level.

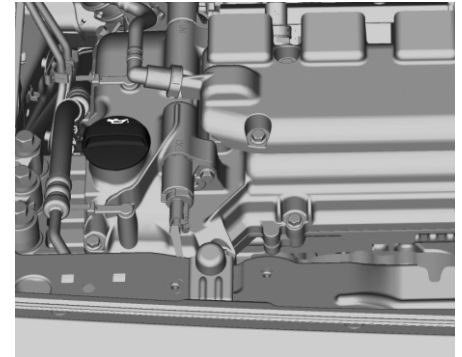
⚠ CAUTION!

Never mixture different types of oil quality. Use only oil quality and viscosity specified in the manual. The use of other oil than specified may cause engine damage and void the warranty. Check with a Dealership or Authorized Repair Shop on whether the oil is approved to the Dexos 1 specification.

The oil level should not be above the upper (MAX) position on dipstick. If this occurs, there will be, for example, an increasement of oil consumption, the isolation of sparks plug and excessive formation of carbon residues.

⚠ CAUTION!

Overfilled engine oil must be drained or suctioned out.



See Capacities and Specifications ⇨ 11-9.

Fit the cap on straight and tighten it.

The stabilization of oil consumption will occur after the vehicle has been driven several thousand kilometers. Only then can the actual degree of consumption be established.

⚠ WARNING!

Engine oil is an irritant and, if ingested, can cause illness or death.

Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be very careful when draining the engine oil as it may be hot enough to burn you!

Selecting the right Engine Oil

Selecting the right engine oil depends on both the proper oil specification and viscosity grade.

Engine oil specification

- Dexos 1, Dexos 2

Specification

Use and ask for licensed engine oils with the dexos approved certifications mark. Engine oils meeting the requirements for the vehicle should have the dexos approved certification mark. This certification mark indicates that the oil has been approved to the dexos specification.

Your vehicle's Engine was filled as the factory with dexos approved Engine Oil.

Use only Engine Oil that is approved to the dexos specification or an equivalent Engine Oil of the appropriate Viscosity Grade.

Failure to use the recommended Engine Oil or equivalent can result in engine damage not covered by the vehicle warranty.

If you are unsure whether your oil is approved to the dexos specifications, ask your service provider.

If you don't know vehicle engine type, ask your authorized repairer.

Engine oil viscosity grade

The SAE Viscosity Grade gives information of the thickness of the Oil.

Multigrade Oil is indicated by two figures:

The first figure, followed by a W, indicates the low temperature Viscosity and the second figure indicates the high temperature Viscosity. SAE 0W-20 is the best Viscosity Grade for your vehicle. Do not use other Viscosity Grade Oils such as SAE 10W-30, 10W-40 or 20W-50.

Cold temperature operation

If operating your vehicle in an area of extreme cold, where the temperature falls below – 25°C, a Viscosity Grade SAE 0W-xx should be used. An Oil of this Viscosity Grade will provide easier cold starting for the engines at extremely low temperatures.

When selecting an Oil of the appropriate Viscosity Grade be sure to always select an Oil that meets the dexos specification.

- Down to – 25°C: 5W-20, 5W-30.
- Down to – 25°C and below: 0W-20, 0W-30.

Engines Oil Additives/Engine Oil Flushes

Do not add anything to the oil. The recommended oils with the dexos specification and displaying the dexos certification mark are all that is needed for good performance and engine protection.

Engine oil system flushes are not recommended and could cause engine damage not covered by the vehicle warranty.

Topping up Engine Oil

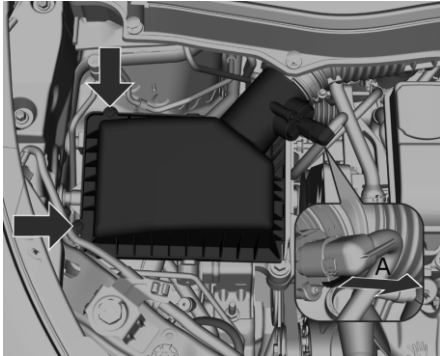
Engine Oil of different manufactures and brands can be mixed as long as they comply with the required Engine Oil (Specification and Viscosity).

If Engine Oil of the required Quality is not available, a maximum of 1 Litre of API SM/SN, ACEA A3/B4, ACEA A3/B3 or ACEA C3 Quality may be used (only once between each oil change).

The Viscosity should be of the correct rating. Use of Engine Oil with only ACEA A1/B1 or only ACEA A5/B5 Quality is prohibited, as it can cause long term engine damage under certain operating conditions.

Changing Oil Filter

The oil filter should be replaced every engine oil change. Have the oil filter preferably replaced by a Dealer.

Engine air cleaner / filter**Element Cleaning**

1. Open the bonnet.
2. Loosen the fasteners.
3. Carefully pull the connector lock A.
4. After the lock A is disengaged, push the lock A together and simultaneously pull the connector outwards.
5. Loosen the metal clamp from the hose.
6. Remove the hose.
7. Remove the air box cover carefully.
8. Remove the air cleaner element and clean it; slightly tap it.
9. Also clean the air cleaner inner portion.

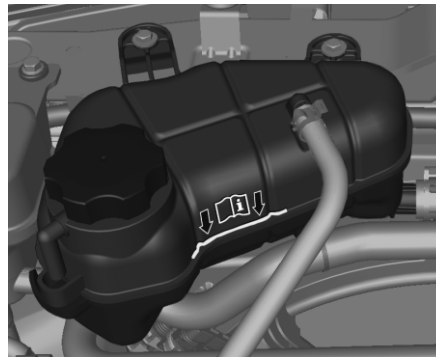
Engine Coolant**Cooling Liquid Change**

The engine cooling system is filled with a long-life additive for the radiator (ethylene glycol) whose properties provide a proper protection against freezing, boiling and corrosion.

The coolant should be replaced every 5 years or 150,000 km.

⚠ WARNING!

Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Coolant level

If the cooling system is cold, the coolant level should be above the filling line mark.

Top up if the level is low. Therefore add to the surge tank a mixture of demineralized water and additive for radiators (long duration – orange color)ACDelco (50% ratio of additive).

Note

The additive for radiators (long life – orange color) should not be mixed to standard additives (green color) or other products, such as soluble oil C. The blends react forming sludge that could lead to the system clogging and consequently the engine overheating. In case of changing the type of additive, the system should be thoroughly flushed.

Install the cap tightly. Have the coolant concentration checked and have the cause of the coolant loss remedied by a Dealer.

⚠ CAUTION!

The cap of the surge tank and the surge tank have clamping limiter. To close the cap, tighten it slowly and when realized resistance, stop turning. If the cap exceeds the limiter, the cap and the surge tank will be damaged, causing malfunction in the cooling system, which can cause engine damage. These damages are not covered by warranty.

Engine Overheating

The coolant temperature indicator lamp of your vehicle is located on the instrument panel. This lamp indicates the engine temperature is increasing.

Note

If the engine operates without coolant, your vehicle may be seriously damaged. In this case, the repairs will not be covered by warranty.

Engine Overheating without Steam

If you note the overheating advise and there are no signs of steam, the problem may not be that serious. The engine may overheat when:

- The vehicle is driven in abrupt climb at high ambient temperatures.
- The vehicle is stopped after driving at high speeds.
- The vehicle has been driven at idle speed during a long trip.

If there are no changes or signs of steam, observe the following procedure during 1 minute approximately:

1. Switch off the air conditioning system (if equipped)
2. Try to keep the engine under load (use a gear in which the engine rotates slowly).

If the warning of overheating disappears, you must continue driving. For safety reasons, drive slowly for approximately 10 minutes.

If the scale of temperature indicator drops to normal position, continue driving.

If the coolant temperature does not drop, stop the engine and park the vehicle immediately.

If no steam is visible, switch on the engine at idle speed for approximately 2 or 3 minutes with the vehicle stopped and observe if the overheating warning lights go off.

If the overheating warning still appears, switch off the engine, ask the passengers to leave the vehicle and wait for it to cool down. You can decide whether to open the engine compartment, but look for technical assistance immediately. If you open the engine compartment, check the coolant surge tank.

⚠ CAUTION!

If the coolant inside the coolant surge tank is boiling, do not do anything and wait for it to cool down.

The coolant level should be at the specified level. If the level falls down, it means that there might be a possibility of leaks in the radiator hoses, heater hoses, radiator or water pump.

⚠ CAUTION!

- The heater hoses and radiator hoses as well as other engine parts may be hot. Do not touch them, otherwise, you may be burned.
- If there is any leak, the engine must not be switched on, otherwise, all coolant may be lost, causing burns. Before driving the vehicle, have the leaks repaired.

Overheating with Steam

⚠ CAUTION!

- The steam generated by engine overheating can cause serious burns, even if you open the engine compartment just a little bit. Keep yourself away from the engine when observing steam emission. Switch off the engine, ask the passengers to leave the vehicle and wait for it to cool down. Before opening the engine compartment, wait until the coolant steam signals are extinguished.
- If the vehicle continues in movement while the engine is overheated, the liquids can escape due to the high pressure. You and other persons may be seriously burned. Switch off the overheated engine, leave the vehicle and wait for it to cool down.

Engine Fan

If there is no leak visible, check for engine fan operation. Your vehicle is equipped with electrical fan. If there is engine overheating, the fan must be actuated. If the fan does not actuate, repairs are necessary. Switch off the engine. If the problem is not identified but the coolant level is not at maximum, add to the surge tank a mixture of potable water and additive for radiator (long duration – orange color) ACDelco (50% ratio of additive). Switch on the engine when the coolant level is at maximum. If the overheating warning signal is on, consult Dealers.

⚠ CAUTION!

The fans and other engine movable parts may cause severe wounds. Keep your hands and pieces of cloth far from movable parts while the engine is operating.

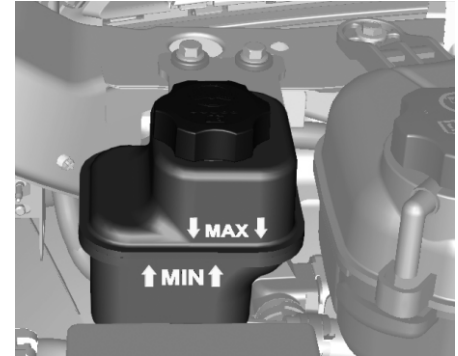
⚠ CAUTION!

- The vapours and the scalding liquids that come from the cooling system while boiling can explode and cause serious burns. They are under pressure, and if the surge tank cover is opened even partially, the vapours may be expelled at high speed. Never remove the surge tank cover while the engine and the cooling system are hot. If it is necessary to remove the surge tank cover, wait for the engine to cool down.
- The long life additive for the cooling system is poisonous and must be carefully handled.

Note

In order to avoid damage to the vehicle and make the starting easier when the engine is hot (due to the fuel evaporation), the engine vent system may be actuated even after the vehicle is switched off for a given period, depending on the room temperature and the engine temperature.

Power steering fluid

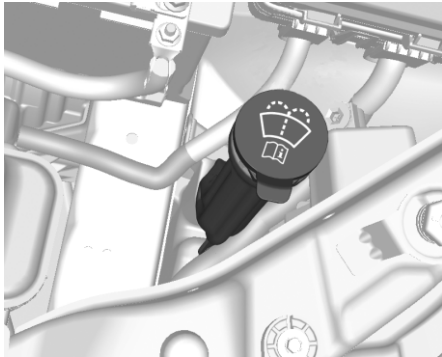


The power steering fluid level must be between the **MIN** and the **MAX** marks. If the fluid level is too low, seek the assistance of a Dealer.

⚠ CAUTION!

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly. Do not allow contaminants to contact the fluid side of the reservoir cap / dipstick or from entering the reservoir.

Washer fluid



Fill with clean water mixed with a suitable quantity of windscreen wash solution.

To refill the windscreen washer fluid reservoir:

- Use only commercially available ready-to-use washer fluid for that purpose.
- Do not use tap water. Minerals present in tap water may plug the windscreen washer lines.
- If the air temperature is likely to go below freezing, use windscreen washer fluid which has sufficient anti-freezing property.

Brakes

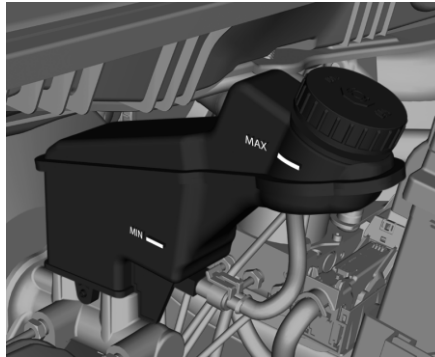
In the event of minimum thickness of the brake lining, a squealing noise sounds during braking. Continued driving is possible but have the brake lining replaced as soon as possible.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

Brake Fluid

⚠ WARNING!

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



The brake fluid level must be between the **MIN** and the **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop. Only use brake fluid approved for the vehicle.

⚠ CAUTION!

Make sure you thoroughly clean around the brake fluid reservoir cap before removing the cap.

Contamination of the brake fluid system can affect system performance, leading to costly repairs.

An overflow of brake fluid on the engine may cause the fluid to burn.

Do not overfill the reservoir.

An engine fire can cause personal injuries and damage your vehicle and other property.

⚠ CAUTION!

Do not dispose of used brake fluid with your household waste.

Use your local, authorized waste management facility.

Used brake fluid and their containers are hazardous. They can damage your health and the environment.

Brake fluid is harsh and can irritate skin and eyes.

Do not allow the brake fluid to contact your skin or eyes. If it does, immediately wash the affected area thoroughly with soap and water, or hand cleaner.

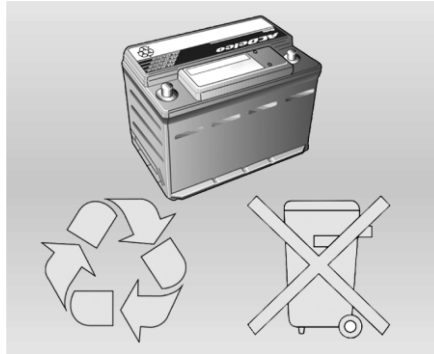
Battery

The vehicle battery is maintenance free, provided that the driving profile allows sufficient charging of the battery. Short distance driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers. Laying up the vehicle for more than 4 weeks can lead to battery discharge. Disconnect the battery according to the procedure described in Battery Disconnect Switch ⇨ 9-3, thus avoiding its discharging.

⚠ CAUTION!

- Lighting matches near the battery can cause a gas explosion. If you need more illumination in the engine compartment, use a lantern.
- The battery, even when sealed, contains acid that causes burns. If the acid drops on your skin or eyes, wash the affected parts with running water and look for medical care immediately.
- To minimize the risk of solution drops on eyes, use protective glasses when handling batteries.
- General Motors is not responsible for accidents caused by negligence or incorrect batteries handling.

Battery Mandatory Recycling



Batteries must be disposed of at an appropriate recycling collection point. When replacing the battery observe the regulations and environmental care that such elements require. When replacing, leave the old battery to the reseller:

- Every consumer/final user must return the used battery of the vehicle. It should not be discarded in the regular trash.
- The Chevrolet Dealership or Authorized Repair Shop where you bought the vehicle battery should accept the used battery return and send it to the battery manufacturer for recycling purposes.

⚠ DANGER!

Keep glowing materials away from the battery to avoid explosion. Battery explosion can result in damage to the vehicle and serious injury or death.

⚠ CAUTION!

Risks when contacting the acid solution and lead:

- Basic composition: lead, sulphuric acid diluted and plastic.
- In case the acid solution and lead contained in the battery are discarded into the environment in an improper way, they can contaminate the soil, subsoil and water, as well as cause health risks to human beings.
- If there is accidental eye or skin contact with these products, the affected parts must be immediately washed with flushing water and the person must look for medical care.
- Whenever the battery is carried, keep it on the horizontal position in order to avoid leakage from the breather.
- Keep out of reach of children.
- Do not tilt an open battery.
- Keep glowing material away from the battery to avoid explosion.

Preventing Damage to Electronic Components

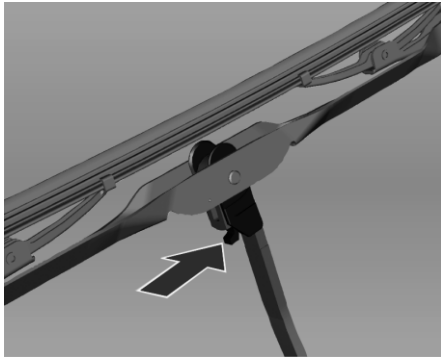
In order to avoid breakdown of electronic components, never disconnect the battery with the engine running, turn off the vehicle and remove the key from ignition before the battery disconnection.

Whenever disconnecting the battery, first disconnect the negative cable and then the positive cable. Do not reverse the cable position.

When reconnecting, connect the positive cable first and then the negative cable.

Wiper blade replacement

Front Wiper Blade



- Lift the wiper arm.
 - Press the release lever and detach the wiper blade by pulling it down.
- Properly functioning windscreen wipers are essential for clear vision and safe driving. Regularly check the condition of the wiper blades. Replace hard, brittle or cracked blades or those that smear dirt on the windscreen. Foreign material on the windscreen or wiper blades can reduce the effectiveness of the wipers. If the blades are not wiping properly, clean both the windscreen and the blades with neutral detergent mixed with water. Rinse them thoroughly with water. Repeat the process, if necessary. There is no way to remove traces of silicone from glass. Therefore, never apply polish with silicone to your vehicle windscreen or you will get streaks which will impair the driver's vision. Do not use solvents, petrol, kerosene, or paint thinner to clean wipers. These are harsh and can damage the blades and painted surfaces.

BULB REPLACEMENT

The bulb replacement must be performed preferably at a Dealer. When replacing a bulb, turn off the respective circuit switch. Avoid touching the bulb glass with bare hands. Inadvertently stained bulbs may be cleaned with a clean non-fluffy cloth, using alcohol. The replacement bulbs must have the same characteristics and capacities of the defective bulb.

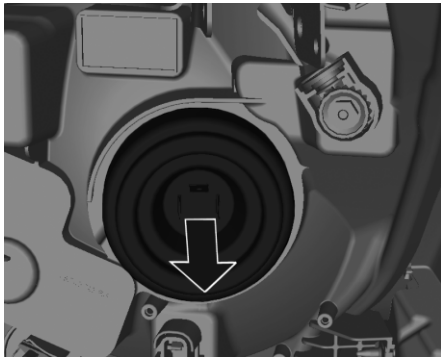
Application	Power (W)
Reading (front - without alarm system)	10
Reading (front - with alarm system)	5
Glove box	8
High beam	60
Low beam	55
Front turn signal light	21
Rear turn signal light	21
Headlamp	5
Sidelights	5
Brake/Tail light - brake/parking	21

Application	Power (W)
Front Fog lamps	27
Rear Fog lamps	21
Reverse light	21
License plate	5
Load compartment	8

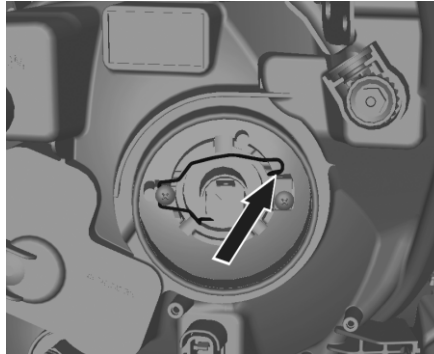
Headlamps

Low beam and high beam

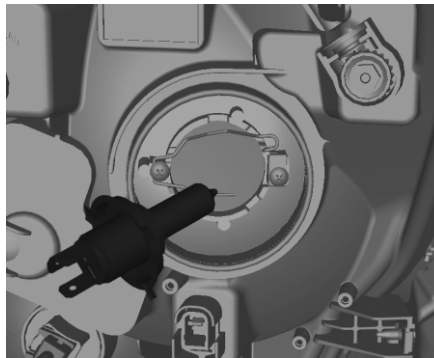
1. Detach plug connector from bulb.



2. Remove protective cover.



3. Press spring clip, disengage it.



4. Remove the bulb from the reflector housing.
5. When fitting a new bulb, engage the lugs in the recesses on the reflector.
6. Engage the spring clip.
7. Place the headlight protective cover in position and close. Regard the correct position of the protective cover.
8. Plug the connector onto bulb.

Headlight Aim

The low-beam headlight aim can be adjusted with the fastener located above the headlight.

⚠ CAUTION!

If the headlights need to be reaimed, it is recommended that the vehicle is taken to your authorised workshop for service, because it is related with safety.

Fog Lamps

Have bulbs replaced by a Dealer.

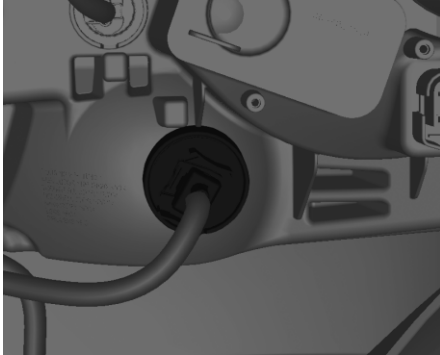
Front Fog Light Aim

The fog light aim can be adjusted with the fastener located above the front fog light.

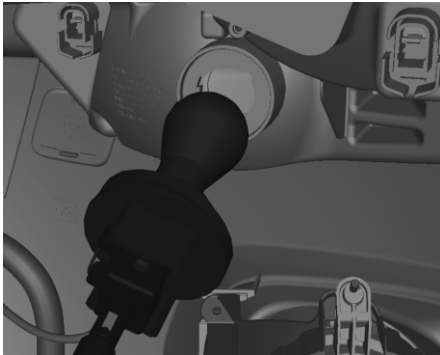
⚠ CAUTION!

If the fog lights need to be reaimed, it is recommended that the vehicle is taken to your authorised workshop for service, because it is related with safety.

Front Turn Signal Lamps



1. Rotate the bulb socket counterclockwise and disengage it.



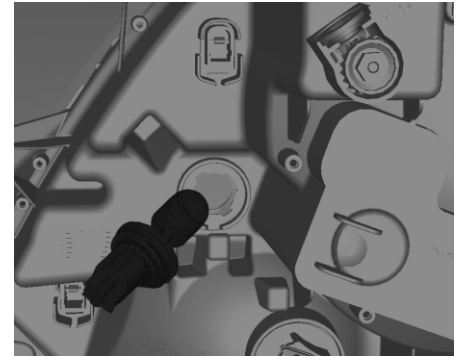
2. Detach the plug connector from the bulb.
3. Remove the bulb from the socket.
4. Insert the new bulb.
5. Plug the connector onto bulb.
6. Insert the socket in the reflector.
7. Rotate the bulb socket clockwise and engage it.

Sidemarker Lamps

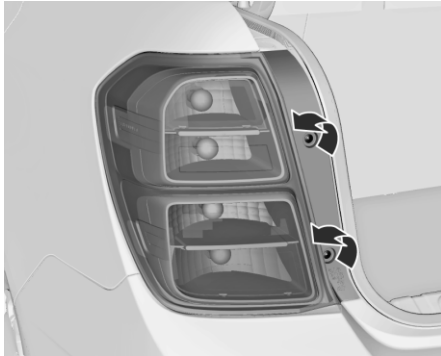
1. Rotate the bulb socket counterclockwise and disengage



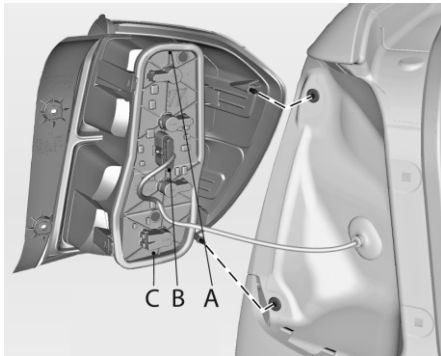
2. Remove the side light bulb socket from the reflector.



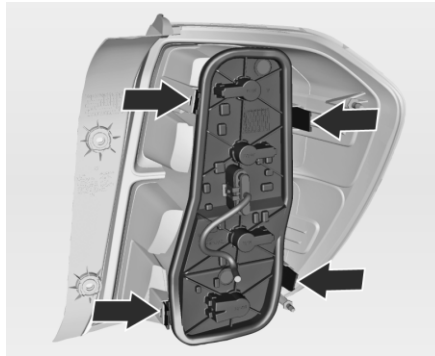
3. Detach the plug connector from the bulb.
4. Remove the bulb from the socket.
5. Insert the new bulb.
6. Plug the connector onto the bulb.
7. Insert the socket in the reflector.
8. Rotate the bulb socket clockwise and engage it.

Taillamps

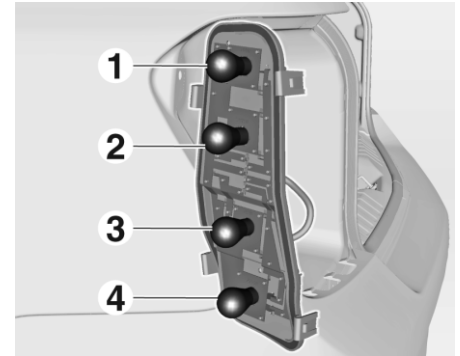
1. Open the covers unscrewing both fasteners.



2. Unplug both pins and unscrew the (A, B, C) fasteners.



3. Remove the tail light assembly. Take care that the cable duct remains in position.

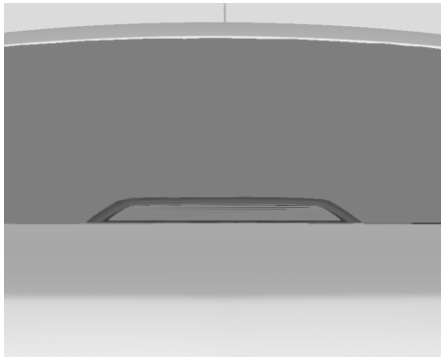


4. Brake light (1)
- Turn signal light (2)
- Reversing light (3)
- Tail light (4)
5. Push the bulb into the socket slightly, rotate it counterclockwise, remove and replace the bulb.
6. Insert the bulb into the tail light assembly.
7. Install the tail light assembly in the body and tighten the fasteners. Close the covers and engage them.
8. Switch on the ignition, operate it and check all the lights.

Side Turn Signal Lamps

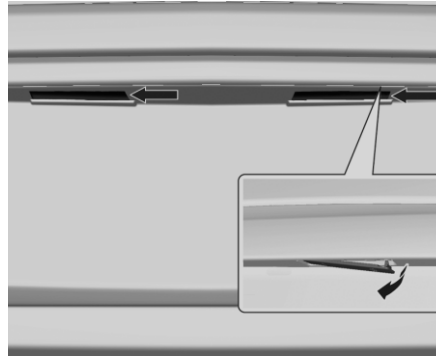
Have the side turn signal lights replaced by a Dealer.

Center High-Mounted Stoplamp (CHMSL)



Have the light replaced by a Dealer.

License Plate Lamp



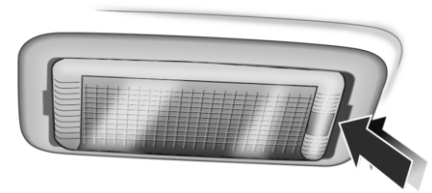
1. Pry the lamp out with a screwdriver.
2. Remove the bulb housing downward, taking care not to pull on the cable. Rotate the bulb holder counterclockwise to disengage it.
3. Remove the bulb from the holder and replace the bulb.
4. Insert the bulb holder in the bulb housing and rotate it clockwise.
5. Insert the bulb housing and secure it using a screwdriver.

Interior Lamps

Courtesy Light

1. To remove it, pry the opposite side of the lamp switch using a flat blade screwdriver. Be careful not to scratch the courtesy lights.
2. Remove the bulb.
3. Replace the bulb.
4. Reinstall the lamp assembly.

Load Compartment Light



1. Pry the lamp out with a screwdriver.

ELECTRICAL SYSTEM

Electrical System

Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are two fuse boxes in the vehicle:

- In the front left of the engine compartment.
- On the underside of the driver's side instrument panel.

Some of the main fuses are in a box above the positive terminal of the battery.

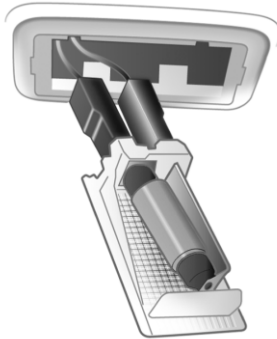
If necessary, have them changed by a Dealer.

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognized by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

Some functions are protected by several fuses.

Fuses may also be inserted without the existence of a function.

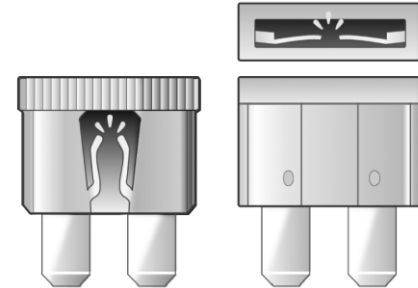


2. Press the bulb slightly towards the spring clip and remove it.
3. Insert the new bulb.
4. Install the lamp.

Instrument Panel Illumination

Have bulbs replaced by a Dealer.


Example of a blown fuse



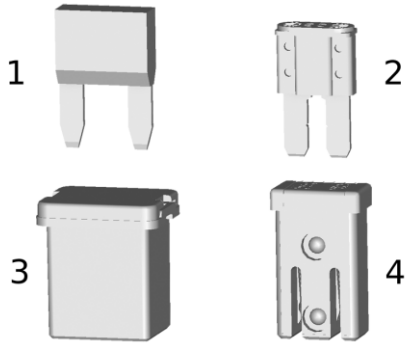
 : Risk of Electrical Fire.

WARNING!

Installation or use of fuses that do not meet manufacturer's original fuse specifications is dangerous. The fuses could fail, and result in a fire. You or others could be injured or killed, and the vehicle could be damaged.

See Accessories and Modifications  9-2 for more information.

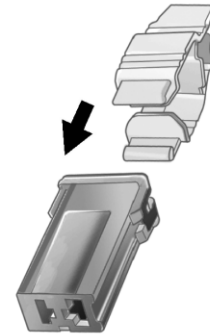
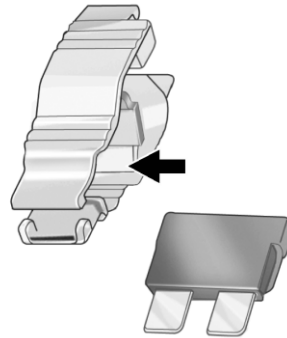
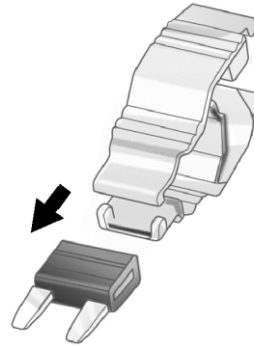
Fuse Types



- 1. Mini fuse
- 2. Micro 2 fuse
- 3. JCase fuse
- 4. MCase fuse

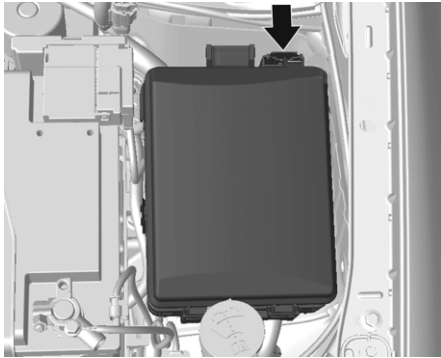
Fuse Extractor

A fuse extractor is located in the fuse box in the engine compartment.

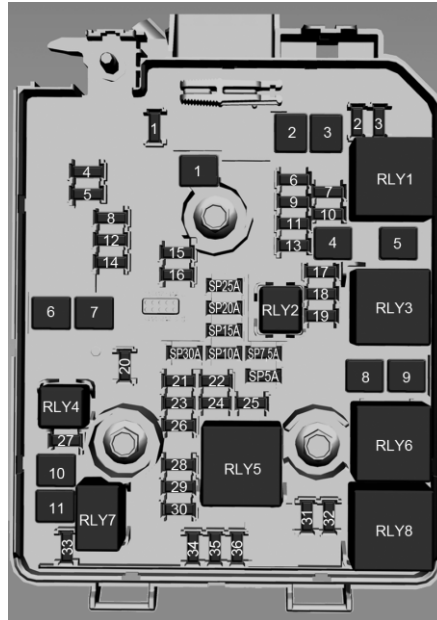


Place the fuse extractor on the various types of fuse from the top or side, and withdraw the fuse.

Engine Compartment Fuse Block



The fuse box is in the front left of the engine compartment. Disengage the cover, lift it upward and remove it. Not all fuse box descriptions in this manual may be applicable to your vehicle.



Mini Fuses		
Position	Amp.	Usage
1	25A	Not used
2	7,5A	Outside rearview mirror

Mini Fuses		
Position	Amp.	Usage
3	5A	Not used
4	25A	Not used
5	30A	ABS module
6	5A	Not used
7	15A	Not used
8	15A	Automatic transmission module
9	5A	Control voltage regulator
10	10A	Headlamp levelling (if available) / Rear view camera (if available)
11	20A	Spare
12	30A	Rear Window Defogger
13	10A	Not used
14	7,5A	Outside rear view mirror heater
15	20A	Not used
16	25A	Front seat heater (if equipped)
17	10A	Electric Vacuum Pump Switch

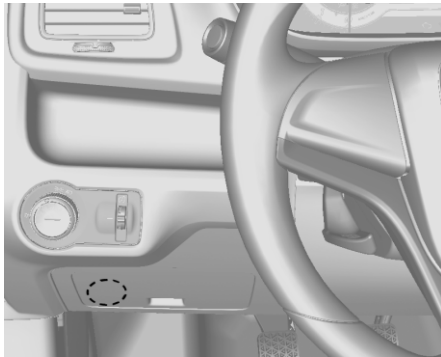
Mini Fuses		
Position	Amp.	Usage
18	10A	Engine control module / Automatic transmission module
19	20A	Fuel pump
20	15A	Not used
21	10A	Radiator fan relay/ Air conditioning relay
22	10A	Not used
23	10A	Engine control module
24	10A	Front washer
25	10A	Not used
26	10A	Engine control module / Mass air flow sensor
27	10A	Not used
28	10A	Oxygen sensor
29	20A	Engine control module
30	15A	Injection and ignition control
31	10A	High beam (left side)
32	10A	High beam (right side)
33	15A	Engine control module
34	15A	Horn

Mini Fuses		
Position	Amp.	Usage
35	10A	Air conditioning compressor
36	10A	Front fog lamp

Jcase Fuses		
Position	Amp.	Usage
1	40A	ABS module
2	30A	Windshield wiper
3	40A	Heating, ventilation and air conditioning control relay
4	30A	Airbag/Automatic unlocking/Instrument panel/Clutch pedal/ Headlight aiming
5	40A	Not used
6	30A	Not used
7	40A	Not used
8	30A	Radiator fan 1
9	40A	Radiator fan 2
10	20A	Vacuum pump
11	30A	Starter

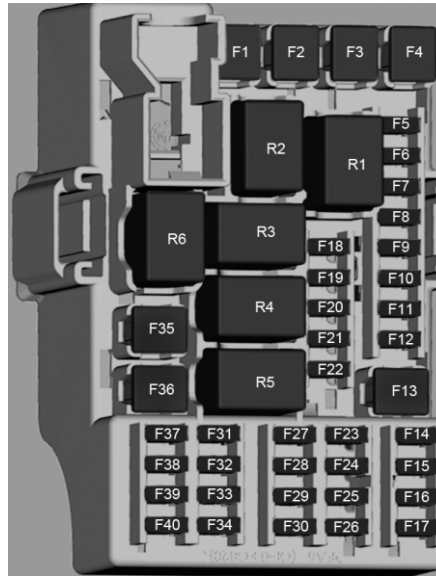
Relays	Usage
RLY1	Run crank relay
RLY2	Fuel pump
RLY3	Not used
RLY4	Not used
RLY5	Powertrain relay
RLY6	Radiator fan high
RLY7	Starter
RLY8	Radiator fan low

Instrument Panel Fuse Block



The fuse box is on the left side of the instrument panel.

1. Open the compartment.
 2. Remove the lower side of the compartment. Reinstall the compartment in reverse order.
- Not all the fuse box descriptions in this manual may be applicable to your vehicle. It is accurate at the time of printing.



Position	Amp.	Usage
F1 J case	-	Not used
F2 J case	-	Not used
F3 J case	-	Not used
F4 J case	-	Not used

Position	Amp.	Usage
F5 Minifuse	20A	Indicator light for the hazard warning flashers / Indicator light for the rear defogger / Brake light / Centre high-mounted stoplamp / License plate light / Control for the relay of the washer system / Control for the relay of the ignition / Ignition signal for the engine module control / Relay control for the decklid locking module / Activation of the braking system / Indicator light of the air condition system
F6 Minifuse	20A	Indicator light for the control of the doors locking system (for vehicles with alarm system) / Control for the relay of the rear defogger / Control for the relay of the accessories

Position	Amp.	Usage
F7 Minifuse	30A	Left side low beam / Right tail light / Left brake light / Left turn signal light / Right front position light / Left Daytime Running Light
F8 Minifuse	30A	Right side low beam / Left tail light / Right brake light / Right turn signal light / Load compartment light / Left front position light / Right Daytime Running Light
F9 Minifuse	25A	Indicator light for the heating, ventilation and air conditioning system / Control for the relay of the heating, ventilation and air conditioning module
F10 Minifuse	20A	Instrument panel illumination / Back light of the automatic transmission selector lever / Reversing light
F11 Minifuse	20A	Courtesy light / Rear fog lamp / Automatic transmission shifter lock
F12 Minifuse	30A	Door locking system and power fuel filler

Position	Amp.	Usage
F13 Jcase	-	Not used
F14 Minifuse	10A	Decklid locking system
F15 Minifuse	10A	Airbag system / Automatic unlocking
F16 Minifuse	15A	Data link connector
F17 Minifuse	2A	Ignition switch
F18 Minifuse	10A	Heating, ventilation and air conditioning module
F19 Minifuse	-	Not used
F20 Minifuse	10A	Eraglonass
F21 Minifuse	-	Not used
F22 Minifuse	15A	Radio
F23 Minifuse	-	Not used
F24 Minifuse	-	Not used
F25 Minifuse	-	Not used
F26 Minifuse	10A	Instrument panel cluster

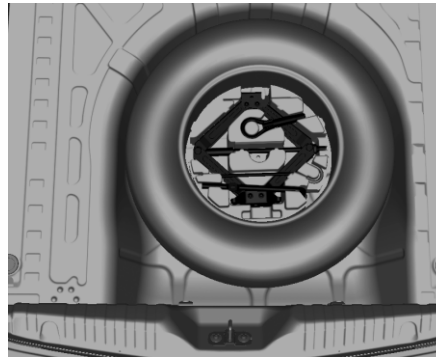
Position	Amp.	Usage
F27 Minifuse	10A	Airbag system / Automatic unlocking
F28 Minifuse	10A	Instrument panel cluster
F29 Minifuse	-	Not used
F30 Minifuse	10A	Headlamp leveling
F31 Minifuse	-	Not used
F32 Minifuse	10A	Heating, ventilation and air conditioning module
F33 Minifuse	-	Not used
F34 Minifuse	2A	Steering wheel controls illumination
F35 Jcase	25A	Front power window
F36 Jcase	25A	Rear power window
F37 Minifuse	-	Not used
F38 Minifuse	20A	Power outlet / Cigarette lighter
F39 Minifuse	-	Not used
F40 Minifuse	-	Not used

VEHICLE TOOLS

Relays	Usage
R1	-
R2	-
R3	Relay for the decklid locking system
R4	-
R5	Relay for the heating, ventilation and air conditioning module
R6	Relay for the power windows / Power outlet / Cigarette lighter

Tools

Vehicles with Spare Wheel



The jack and the tools are in a stowage compartment in the load compartment below the spare wheel.
See "Spare Wheel" in Wheel Covers ⇨ 9-28.

WHEELS AND TIRES

Tyre Condition, Wheel Condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap the tyres on the kerb when parking.

Regularly check the tyres and wheels for damage. Seek the assistance of a Dealer in the event of damage or unusual wear.

Note

If using replacement tyres or wheels of a different size than those fitted at the factory is necessary, consult a Dealer. The usage of unsuitable tyres or wheels might cause the loss of warranty.

Winter Tires

This vehicle was not originally equipped with winter tires. Winter tires are designed for increased traction on snow and ice covered roads. Consider installing winter tires on the vehicle if frequent driving on ice or snow covered roads is expected. See your dealer for details regarding winter tires availability and proper tire selection. Also see When It Is Time for New Tires ⇨ 9-28.

With winter tires, there may be decreased dry road traction, increased road noise, and shorter tread life. After changing to winter tires, be alert for changes in vehicle handling and braking.

If using winter tires:

- Use tires of the same brand and tread type on all four wheel positions. Use only radial ply

tires of the same size, load range, and speed rating as the original equipment tires. Winter tires with the same speed rating as the original equipment tires may not be available for H, V, W, Y and ZR speed rated tires. If winter tires with a lower speed rating are chosen, never exceed the tires's maximum speed capability.

Summer Tires

This vehicle may come with high performance summer tires. These tires have a special tread and compound that are optimized for maximum dry and wet road performance. This special tread and compound will have decreased performance in cold climates, and on ice and snow. We recommend installing winter tires on the vehicle if frequent driving at temperatures below approximately 5°C (40°F) or on ice or snow covered roads is expected. See Winter Tires ↪ 9-25.

Note

High performance summer tires have rubber compounds that lose flexibility and may develop surface cracks in the tread area at temperatures below **-7°C (20°F)**. Always store your high performance summer tires indoors and at temperatures above **-7°C (20°F)** when not in use. If the tires have been subjected to **-7°C (20°F)** or less, let them warm up in a heated space to at least 5°C (40°F) for 24 hours or more before being installed or driving a vehicle on which they are installed. Do not apply heat or

blow heated air directly on the tires. Always inspect tires before use. See Tire Inspection ↪ 9-27.

Tire Designations

E.g. **195/65 R15 91H**

195 : Tyre width, mm

65 : Cross-section ratio (tyre height to tyre width), %

R : Belt type: Radial

15 : Wheel diameter, inches

91 : Load index

H : Speed code letter

Speed code letter:

Q : up to 160 km/h

S : up to 180 km/h

T : up to 190 km/h

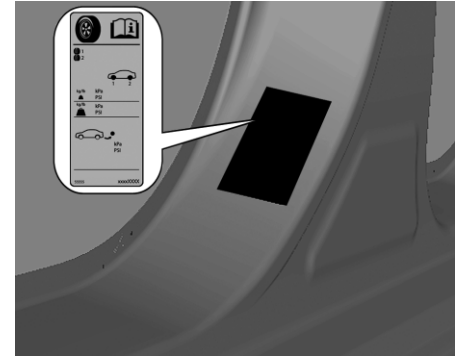
H : up to 210 km/h

V : up to 240 km/h

W : up to 270 km/h

Tire Pressure

Check the pressure of cold tyres biweekly and before any long journey. Do not forget the spare wheel.



See Tire Pressure ↪ 11-10 on the label on the front left door frame.

The tyre pressure data refers to cold tyres. Always inflate the spare tyre to the pressure specified for full load. Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

▲ WARNING!

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

Tire Inspection

The impacts against kerbs may cause damage to the inside of wheels and tires.

There may be a risk of accident at high speed due to externally hidden tyre damage. Therefore, if you need to ascend a kerb, do it slowly and at a right angle if possible.

When parking, ensure that the tires are not pressed against the kerb. Check tires regularly for wear (tread depth) or visible damage. Also check wheels for damage.

In the event of damage or abnormal wear, consult a Dealer to repair them and for the calibration of front suspension and steering alignment.

Tread Depth

Check tread depth at regular intervals.

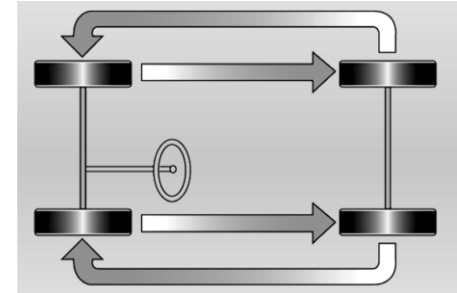
Tyres should be replaced at a tread depth of 1,6 mm Tread Wear Indicator.



The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

Tyres age, even if they are not used. We recommend tyre replacement every 6 years.

Tire Rotation



Different forces in front and rear tires make them wear differently, depending on several factors, such as road surface, the way of driving, suspension alignment, wheel balancing, tires pressure, etc.

The owner must carry out an evaluation of the vehicle wear, and this includes regular tire rotation, which should not exceed 10,000 km. tire rotation is vital to achieving even tread wear and long tread life.

The tire rotation must be performed as indicated in the illustration.

The tire condition is an item that is checked during a periodic inspection at a Dealer of your preference, which can diagnose signs of uneven wear that may compromise your car safety and performance.

⚠ CAUTION!

- Due to ageing, the tyre rubber gets deteriorated. This is also valid for the spare tyre even if it was not used.
- Tyre ageing depends on many conditions of use, including temperature, load conditions and also tyre inflation pressure.
- To evaluate the use conditions, the tyres should be taken regularly to the manufacturer's technical assistance.
- A spare tyre which was not used within a 6-year period should be used in emergencies only. If you need to use this tyre, drive at low speeds.

When It Is Time for New Tires

The tyre must be replaced when cuts, bulges on sidewalls or any other deformation are present.



Tyres must also be replaced when their tread depth has worn down near to the TWI. The image shows where the tread depth can be found.

⚠ CAUTION!

- The tread depth must be greater than 1.6 mm. This information can be found on the tyre "shoulder", after the TWI (Tread Wear Indicators) abbreviation.
- The risk of aquaplaning and drifting is greater when the tyres are worn.

Note

When replacing, always use tyres of the same brand and dimensions. Preferably replace all tyres of same axle at the same time.

Different Tire and Wheel Types

⚠ WARNING!

The use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

⚠ WARNING!

Do not use any size and type of tyres and wheels which are different from those originally installed on the vehicle. It can affect safety and performance of the vehicle. It could lead to handling failure or rollover and serious injury.

When replacing tyres, be sure to install all four tyres and wheels of the same size, type, tread, brand and loadcarrying capacity. The use of any other tyre size or type may seriously affect ride, handling, ground clearance, stopping distance, body clearance and speedometer reliability.

Wheel Covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

⚠ WARNING!

The use of unsuitable tyres or wheel covers could lead to sudden pressure loss and, thereby accidents.

Wheel Replacement

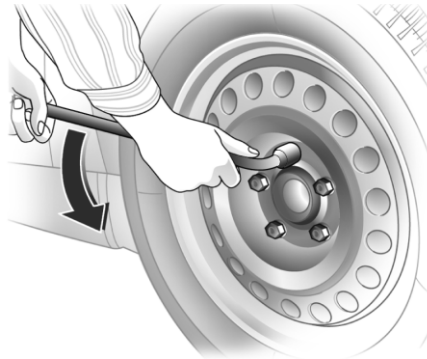
All vehicles are equipped with a spare wheel. Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be positioned straight ahead.
- Apply the parking brake and engage first gear, reverse gear or **P**.
- Remove the spare wheel.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture.
- If the ground on which the vehicle is standing is soft, a solid board (maximum 1 cm thick) should be placed under the jack.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

WARNING!

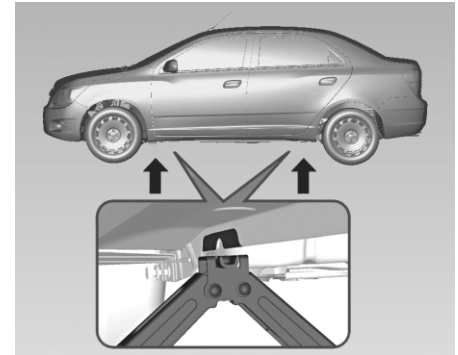
Do not grease wheel nut and wheel nut cone.

1. Alloy wheels and steel wheels:

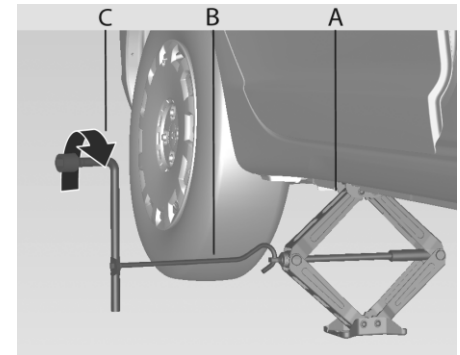


Install the wheel wrench ensuring that it locates securely and loosen each wheel nut by half a turn.

2. Ensure the jack is positioned correctly with the vehicle jacking points.



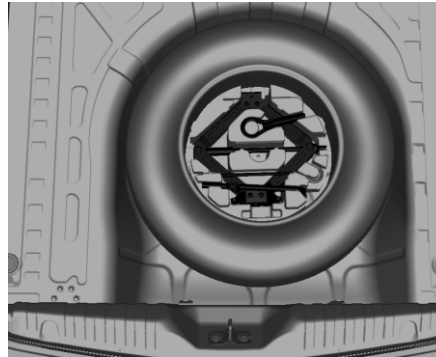
3. Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.



- Attach the jack handle (B) to the jack (A).
Attach the wheel wrench (C) and with the jack handle (B) correctly aligned, rotate wheel wrench until tyre is clear of the ground.
- Unscrew the wheel nuts.
 - Change the wheel.
 - Align the valve hole in the wheel cover with the tyre valve before installing.
 - Fasten on the wheel nuts.
 - Lower the vehicle.
 - Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 140 Nm.
 - Stow the replaced wheel and the vehicle tools.
 - Check the tyre pressure of the installed tyre and also the wheel nut torque as soon as possible.
- Have the defective tyre renewed or repaired.

Spare Wheel

The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations.
The spare wheel has a steel rim.
The use of a spare wheel that is smaller than the other wheels could affect driveability. Have the defective tyre replaced as soon as possible.



The spare wheel is located in the load compartment beneath the floor covering. It is secured in the recess with a wing nut.
The spare wheel well is not designed for all permitted tyre sizes. If a wheel is wider than the spare and must be stowed in the spare wheel well after changing wheels, the floor cover can be placed on the projecting wheel.

Temporary Spare Wheel

The use of the temporary spare wheel could affect driveability. Have the defective tyre renewed or repaired as soon as possible.
Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use it for a long period of time.

Directional Tyres

Fit directional tires so that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

While using tyres fitted opposing the rolling direction, you must observe the following:

- Driveability may be affected. Have the defective tyre replaced or repaired as soon as possible.
- Do not drive faster than 80 km/h.
- Drive particularly carefully on wet road surfaces.

JUMP STARTING

To switch the ignition on in a vehicle with discharged battery, connect the jump leads in the battery from other vehicle. This should be done with extreme caution and following the next instructions.

⚠ WARNING!

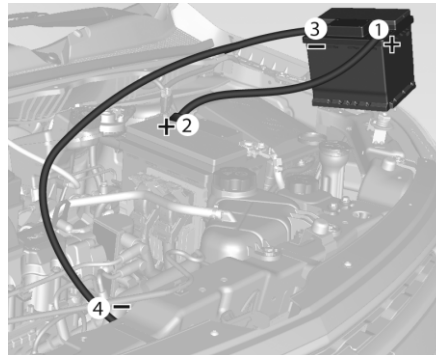
Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠ WARNING!

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the battery to naked flames or sparks.
- A discharged battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm².

- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in P.
- Do not use chargers for quick charging in this procedure.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster battery.

2. Connect the other end of the red lead to the positive terminal of the discharged battery.
3. Connect the black lead to the negative terminal of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect at a minimum distance of 30 cm from the discharged battery.

⚠ CAUTION!

The fans and the other engine movable parts can cause serious injuries. Keep the hands and pieces of cloth away from the movable parts when the engine is running, or even with the engine switched on.

Route the leads so that they cannot catch on rotating parts in the engine compartment.

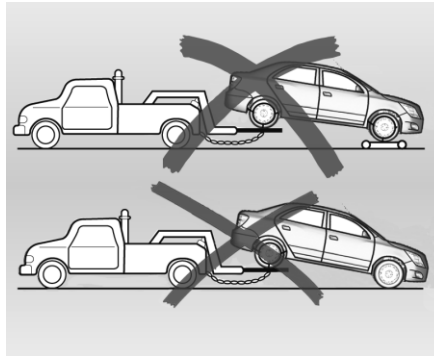
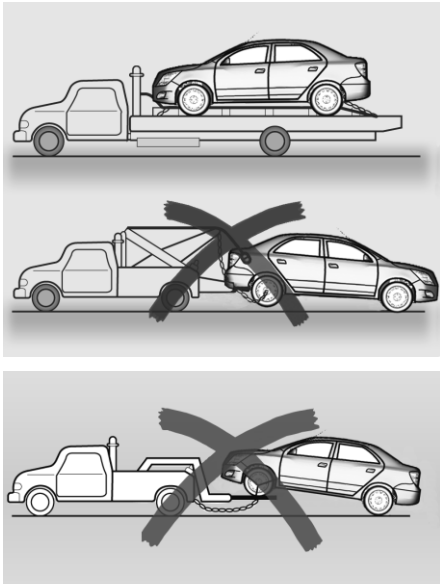
To start the engine:

1. Start the engine of the vehicle providing the jump.
 2. After 5 minutes, start the other engine.
- If the engine does not start after some attempts, there is the possibility that some repairs might be necessary.
3. Allow both engines to idle for approximately 3 minutes with the leads connected.
 4. Reverse above sequence exactly when removing leads.

TOWING

Towing the Vehicle

Under emergency situations which require towing the vehicle, look for specialized companies who have flatbed type towing vehicles.



The towing with two of the wheels off the ground is not suitable for this vehicle.

Note

Be cautious when the vehicle is fixed on the platform; take care not to damage the tubing or wiring harnesses.

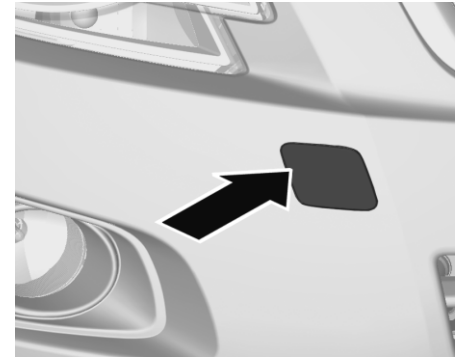
Please observe the following procedures when towing a vehicle:

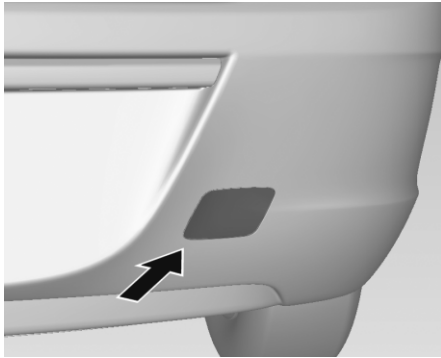
- No passenger should remain in the vehicle being towed.
- Switch on the ignition to release the steering column lock and to permit operation of brake lights, horn and windscreen wipers.
- Release the parking brake of the towed vehicle and place the transmission gear in neutral.
- Switch on the emergency warning lights.

- Keep to the speed limits.

The towing eye is stowed in the tool kit under the spare wheel in the trunk compartment of your vehicle.

The hole to fix the towing eye is located at the front right side and at the rear right side of the bumpers.





Note

The lower parts of the engine, such as engine supports, skid plate and control arm, are not suitable as backing for the lifting of the vehicle. These parts may be deformed or even damaged, compromising their functionality. Disengage the cap at the bottom and remove downward.



Screw in the towing eye as far as it will go until it stops in a horizontal position. It is easier if the lug wrench is used for leverage. The displacement of the vehicle by the towing eye must be in a straight line and for short distances on paved grounds.

⚠ CAUTION!

- Do not use the towing eye to tow your vehicle or another vehicle.
- Do not pull roughly on the towing eye, apply firm force continuously.
- Do not use the towing eye to remove your vehicle from mud or sand or any other similar situation in which the vehicle is not able to get out on its own driving force.
- Do not use the towing eye to locate the vehicle over any platform.
- Drive slowly. Avoid jerky movements. Excessive tractive force can damage the vehicle.
- When the engine is not running, more force is needed to brake and steer, as brake booster and hydraulic power steering will not work.

Seek the assistance of a Dealer. After towing, unscrew the towing eye. Insert the cap below and close the cap.

APPEARANCE CARE

Exterior Care

Here you will find information about the periodic appearance care of your vehicle.

Observing them is a prerequisite for servicing internal and exterior trimming and painting claims under warranty. The recommendations presented in this section will prevent damage resulting from the environmental effects your vehicle is exposed to.

Exterior Clean

The best way to preserve the finish of your vehicle is to keep it clean by washing it often.

Washing

- Do not wash your vehicle in the direct rays of the sun.
- First remove the antenna and dislodge the windshield wipers.
- Then, to remove dust spread water abundantly all over the body.
- Do not spray water directly on the radiator in order not to distort the radiator core and consequently result in a less efficient system. Use air spray only.
- If desired, apply mild detergent or shampoo and, using sponge or soft towel, rub while flushing the area. Remove all detergent or shampoo before it dries.
- Use a separate brush or towel to clean windows so that they will not be greasy.
- Using plenty of water and mild detergent, clean the rubber trim of wiper blades.

- Oil, asphalt or road dirt spotting may be removed with solvent. You are recommended not to wash the complete body with solvent.
- After washing, dry it well.

Waxing

Use silicone-wax on your vehicle if you notice beads on the painting after rinsing. Do not use wax on plastic or glass components since stains on them are difficult to get off.

Polishing

Since most polishing products contain abrasives, have specialized service polish your vehicle.

Paint Scratches and Foreign Material

Any stone chips, fractures or deep scratches in the finish should be repaired right away at a Dealer since bare metal will corrode quickly and may develop into major corrosion. If you notice oil and tar stains, road signalling residues, tree sap, bird dropping, chemicals from industrial chimneys, ocean salt and others, have them removed as soon as possible. Use solvent to remove oil stains, tar and paint residues.

Underbody

The salty water and other corrosive agents may accelerate early rust and deteriorate the underbody parts, such as brake line, floor pan, metal panels, exhaust systems, brackets, parking brake cables, etc. In addition, soil

debris, mud and dirt packed on fender opening will collect humidity. To minimize damage, periodically flush these materials from the underbody.

Spraying

Do not use oil spray on the underbody. Besides collecting road dust, the sprayed damages mounts, gaskets, hoses, etc.

Doors

1. Lubricate the lock drums with powder graphite.
2. Lubricate the door, rear lid and engine bonnet hinges.
3. The openings located on the door lower portion allow for water to escape due to washings or rain. They should be kept unclogged to prevent water accumulation that results in rust.


Alloy Wheels

The alloy wheels receive protection similar to the vehicle paint. Never use chemical products, polishers or abrasive products or brushes once these may damage the wheel protective layer.

Engine Compartment

Never wash the engine compartment unnecessarily. Before washing, protect the alternator, the electronic ignition unit and the master cylinder reservoir using plastic.

⚠ CAUTION!

Do not power wash any component under the hood that has this  symbol. This could cause damage that would not be covered by the vehicle warranty.

⚠ CAUTION!

It is not recommended to wash the engine compartment as this may damage some components such as: alternator, master cylinder reservoir, electrical and electronic components, electrical connectors, fuse box, radiator and others.

Do not wash any component under the hood that has this symbol .

This could cause damage that would not be covered by the vehicle warranty. If necessary, clean the engine using a damp cloth.

Interior Care**⚠ CAUTION!**

Many cleaning agents may be hazardous or flammable or may cause injury or damage your vehicle too. So, when cleaning the interior of your car, do not use volatile solvents such as acetone, paint thinner, bleach or, reducing agents. Never use petrol for cleaning purposes.

Note

Remember to remove stains as soon as possible before they remain.

Carpets and Upholstery

- For good results, vacuum and brush the area.
- To remove light spotting or dirt, use a brush or sponge wet in water and mild soap.
- First use adhesive tape to remove excess soil of greasy or oily stains. Then rub with a benzene-wet cloth.
- Never apply too much cleaning solvent; it will penetrate the upholstery and result in damage.

Door Panels, Plastic and Vinyl Parts

- Use a damp cloth only and then dry with dry cloth.
- To remove grease or oil stains, use a damp cloth and mild soap dissolved in water and then dry with clean cloth.

Console Switches

Never use cleaning products in the area of switches. Have them cleaned with vacuum cleaners and a wet piece of cloth.

Instrument Cluster

Clean using a dry piece of cloth. Using chemical products or even water may damage the board computer system.

Safety Belts

Always keep them away from cutting or sharp objects. Periodically inspect straps, buckles and anchor points. Seat Belts should be properly cared for and maintained. Seat Belt hardware should be kept dry and free of dust or debris. As necessary exterior hard surfaces and seat belt webbing may be lightly cleaned with mild soap and water.

Ensure there is not excessive dust or debris in the mechanism. If dust or debris exists in the system please see the dealer. Parts may need to be replaced to ensure proper functionality of the system.

Windows

- To remove tobacco, dust films and vapors from plastic panels, wash often using chamois and a solution of water and mild soap.
- Never use abrasive cleaners on the window, because they may cause scratches and damage the windows.

Front Panel

 **CAUTION!**

When exposed to the heat of the sun for extended periods, the instrument panel upper region and the glove box interior may reach temperatures as high as 100°C. Therefore never use these areas to store cigarette lighter, tapes, computer disks, compact discs, sun glasses, etc. that might distort or even ignite when exposed to high temperatures. There is the risk to damage the objects themselves and the vehicle as well.

10

SERVICE AND MAINTENANCE

• GENERAL INFORMATION10-2

• SERVICE SCHEDULES..... 10-3

GENERAL INFORMATION

This section provides the maintenance schedule which is necessary to ensure that your vehicle gives many years of satisfying motoring. You are responsible for properly operating and maintaining your vehicle in accordance with the instructions described in this manual. Failure to do so is likely to result in the denial of warranty coverage.

It is your responsibility to properly maintain and operate your vehicle. Be sure that you follow the periodic required maintenance schedule and general operation instructions in this manual.

It is also your responsibility to keep records and receipts as proof of regular maintenance. Records and receipts together with this owner's manual should be transferred to any subsequent owner.

You may have maintenance services performed on your vehicle by any qualified person or facility. However, it is recommended that the maintenance services be performed by an authorized dealer who will have well-trained technicians and genuine parts.

Non-genuine parts and accessories have not been examined or approved by us. We can certify neither the suitability nor the safety of non-genuine parts and accessories and is not liable for damage caused by their use.

Inadequate, incomplete, or insufficient servicing may result in operational problems with your vehicle that could even lead to vehicle damage, an accident, or personal injury.

Exploitation conditions

You should follow the periodic required maintenance schedule. See "SCHEDULED MAINTENANCE SERVICES" later in this section.

Normal conditions

The normal condition for driving means driving under typical, everyday driving conditions. You may follow the ordinary maintenance schedule.

Severe conditions

If the vehicle is operated under any of the following conditions, some of the maintenance schedule items need to be serviced more frequently. See numeric symbols in "SCHEDULED MAINTENANCE SERVICES" later in this section.

- Repeated short-distance driving less than 5 miles (10 Km).
- Extensive idling and/or slow-speed driving in stop-and-go traffic.
- Driving on dusty roads.
- Driving on hilly or mountainous terrain.
- Towing a trailer.
- Driving in heavy city traffic where the outside temperatures regularly reach 90°F(32°C) or higher.
- Driving as a taxi, police or delivery vehicle.
- Frequent driving when outside temperature remains below freezing.

- Riding for training.
- Operation of the vehicle on fuel with inadequate specification, poor quality fuel and / or fuel with lower octane. See. "FUEL".

SERVICE SCHEDULES

It is the owner's responsibility to carry out periodic maintenance of the vehicle and maintain appropriate documentation. You must have documentary evidence that the car has been serviced in a timely manner in full accordance with the manufacturer's regulations.

Operations	MO-1	MO-2	MO-3	MO-4	MO-5	MO-6	MO-7	MO-8	MO-9	MO-10	MO-11
Months	3	6	12	18	24	30	36	42	48	54	60
Periodicity of the maintenance (mileage, thousand km)	2	10	20	30	40	50	60	70	80	90	100
Drive belt of the generator, hydraulic booster pump, air-conditioner	I	I	I	I	I	R	I	I	I	I	R
Engine oil and oil strainer (1) (2)	R	R	R	R	R	R	R	R	R	R	R
Fuel filter (1)	I	R	R	R	R	R	R	R	R	R	R
Engine air filter (1)	I	R	R	R	R	R	R	R	R	R	R
Air filter (air conditioning) (1)	I	I	I	R	I	I	R	I	I	R	I
Break fluid	Change every 45 000 km or 2 years										
Spark plugs	I	I	I	R	I	R	I	I	I	R	I
Transmission oil of automatic transmission	See remark (3)										
Transmission oil of mechanical transmission	I	I	I	I	I	I	I	I	I	I	R
Power steering fluid	I	I	I	I	I	I	I	I	I	I	I
Coolant	Change every 150 000 km or 5 years										
Vehicle diagnostics, regulation the settings	I	I	I	I	I	I	I	I	I	I	I
Tightness of the cooling system, fuel lines, grease and air conditioning	I	I	I	I	I	I	I	I	I	I	I
Connection of hanged equipment and devices	I	I	I	I	I	I	I	I	I	I	I
Battery check	I	I	I	I	I	I	I	I	I	I	I
Suspension parts (including boots), ball joints, fasteners	I	I	I	I	I	I	I	I	I	I	I
Brake and Clutch pedal (free operation)	I	I	I	I	I	I	I	I	I	I	I

Remarks:

I - control and if necessary regulate, clean, tighten, grease, add fluids, change improper parts;

R - change.

(1) If the vehicle is driven under severe conditions (see section "Severe conditions" p. 10-2);

(2) If there is an indicator of the residual life of engine oil, it is necessary to be guided by the actual indications of the indicator, depending on the operating conditions. Engine oil change intervals can be shortened.

(3) Oil change in automatic transmission is required if maintained:

- every 150 000 km under normal conditions;

- every 75 000 km under hard conditions.

10-4 SERVICE AND MAINTENANCE

It is the owner's responsibility to carry out periodic maintenance of the vehicle and maintain appropriate documentation. You must have documentary evidence that the car has been serviced in a timely manner in full accordance with the manufacturer's regulations.

Operations	MO-1	MO-2	MO-3	MO-4	MO-5	MO-6	MO-7	MO-8	MO-9	MO-10	MO-11
Months	3	6	12	18	24	30	36	42	48	54	60
Periodicity of the maintenance (mileage, thousand km)	2	10	20	30	40	50	60	70	80	90	100
Clutch hydraulic system	I	I	I	I	I	I	I	I	I	I	I
Brake pads, drums, discs	I	I	I	I	I	I	I	I	I	I	I
Checking fault codes in the engine ECU	I	I	I	I	I	I	I	I	I	I	I
Parking brake	I	I	I	I	I	I	I	I	I	I	I
Brake hose and pipes (airtightness)	I	I	I	I	I	I	I	I	I	I	I
Steering wheel and steering mechanism	I	I	I	I	I	I	I	I	I	I	I
Headlamp leveling check	I	I	I	I	I	I	I	I	I	I	I
Lighting devices, light and sound alarms	I	I	I	I	I	I	I	I	I	I	I
Windshield wipers, washers	I	I	I	I	I	I	I	I	I	I	I
Wheels, tires (pressure, wear, tightening torque of fasteners)	I	I	I	I	I	I	I	I	I	I	I
Greasing of locks, hinges, hood latch, body checking	I	I	I	I	I	I	I	I	I	I	I
Seat belt, clasp and knots of body fastening	I	I	I	I	I	I	I	I	I	I	I
Periodic vehicle check	I	I	I	I	I	I	I	I	I	I	I
* Checking wheel mounting angles											
* Flushing of engine and air conditioner cooling radiators											
* Cleaning and lubrication of brake guides											
* Flushing of fuel injectors											
* Replacement of the internal combustion engine air filter											
* Replacement of wiper blades											

Remarks:

I - control and if necessary regulate, clean, tighten, grease, add fluids, change improper parts;

11

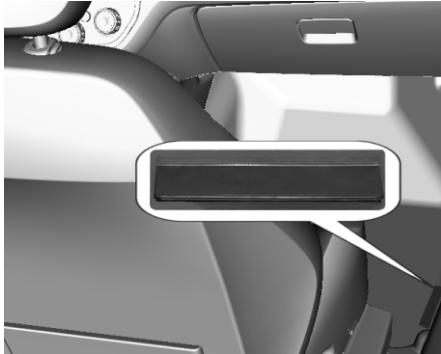
TECHNICAL DATA

- VEHICLE IDENTIFICATION 11-2
- VEHICLE DATA 11-3
- SEO AVAILABLE OPTIONS 11-11
- NOTES 11-12

VEHICLE IDENTIFICATION

Vehicle identification number (VIN)

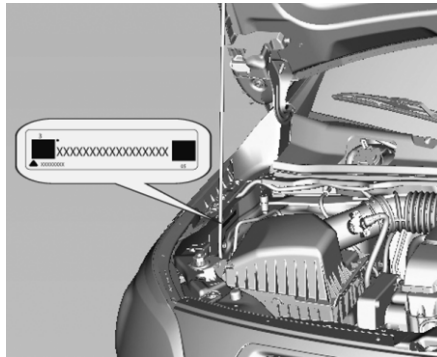
Chassis Number Location



- On the floor, on the right side of the front passenger seat under the cover.



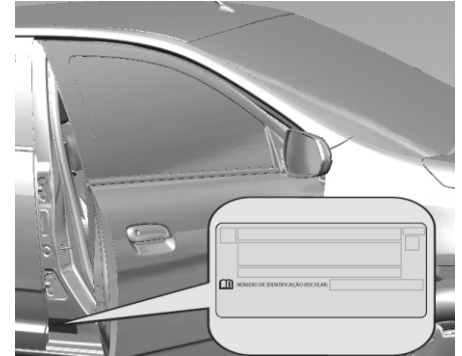
- On the windscreen, the rear window and the side windows.



- In the engine compartment.

Identification Plate

The identification plate is located on the right front door pillar.



VEHICLE DATA

Engine data

Engine	1,5L Petrol
Fuel	Petrol
Number of cylinders	4 in line
Number of bearings	5
Firing sequence	1 – 3 – 4 – 2
Cylinder bore	74.71 mm
Cylinder stroke	84.7 mm
Effective displacement	1,485 cm ³
Idle speed	
Manual Transmission	750 rpm (A/C off) 750 rpm (A/C on)
Automatic Transmission	750 ± 50 rpm (A/C off) 750 ± 50 rpm (A/C on)
Compression ratio	10.2:1
Maximum output	106 CV (78 kW) at 5,900 rpm
Maximum torque	141 Nm (14.4 mkgf) at 3,800 rpm
Automatic Transmission	MT: 6,500 rpm AT: 6,500 rpm (3,000 rpm in N/P/R position)

Electrical System	1,5L Petrol
Battery	12V 50Ah 12V 70Ah (if equipped)
Alternator	100A
Spark plugs	(Ni-Alloy) Federal Mogul
Electrode gap	0.8 – 0.9 mm

Transmission	1,5L Petrol	
	AT	MT
1st gear	3.67:1	4.449:1
2nd gear	1.85:1	2.908:1
3rd gear	1.24:1	1.893:1
4th gear	0.95:1	1.446:1
5th gear	0.76:1	1:1
6th gear	-	0.742:1
Reverse gear	3.55:1	2.871:1
Axle ratio	4.29:1	3.72:1

11-4 TECHNICAL DATA

Brakes	
Type	Hydraulic, diagonal splitting dual circuit brake system
Front	Floating caliper disc brake
Rear	Drum brake system
Fluid	Heavy duty fluid DOT 4
Parking brake	Rear service brake

Recommended speeds for gearshifting	1,5L Petrol
1st – 2nd	15 Km/h
2nd – 3rd	35 Km/h
3rd – 4th	50 Km/h
4th – 5th	70 Km/h

Steering Geometry	1,5L Petrol	
Camber	Front	-1.64 to -0.14° or -1°38' to -0°8'
	Rear	-1.50° to -0.5° or -1°30' to -0°30'
Caster	Front	3.61° to 5.11° or 3°36' to 5°6'
	Rear	-
Cross Camber	Front	- 0.75° to 0.75° or - 0°45' to 0°45'
	Rear	- 0.75° to 0.75° or - 0°45' to 0°45'
Toe-in resp.	Front	0.2° to 0.6° or 0°12' to 0°36'
	Rear	-0.08° to 0.92° or -0°4'48" to 0°55'12"

Vehicle Weight

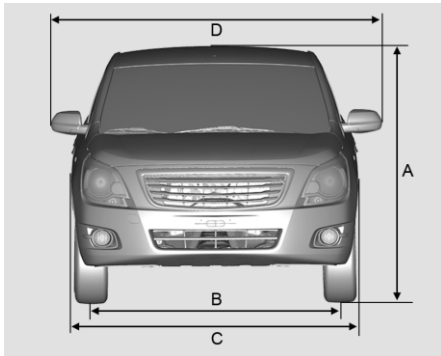
VEHICLE WEIGHT (Kg) ^{1,2}			1,5L Petrol	
			MT	AT
Overall gross weight	LS ¹		1,590	-
	LT	Base		1,620
		Full		
	LTZ	Base		
Full				
Gross axle load rating (front)	LS ¹		820	-
	LT	Base		860
		Full		
	LTZ	Base		
Full				
Gross axle load rating (rear)	LS ¹		790	-
	LT	Base		790
		Full		
	LTZ	Base		
Full				

11-6 TECHNICAL DATA

VEHICLE WEIGHT (Kg) ^{1,2}			1,5L Petrol	
Curb mass (total)	LS ¹		1097	-
	LT	Base	1,119	1,156
		Full	1,131	1,167
	LTZ	Base	1,131	1,162
		Full	1,141	1,173
Curb mass (front)	LS ¹		669	-
	LT	Base	680 683	717
		Full	692 690	724
	LTZ	Base	692 690	717 720
		Full	694	720
			696	727
	Curb mass (rear)	LS ¹		428
LT		Base	435 436	439
		Full	442 441	443
LTZ		Base	442 441	440 442
		Full	444	441
			445	446

VEHICLE WEIGHT (Kg) ^{1,2}			1,5L Petrol	
Payload	LS ¹		493	-
	LT	Base	475 471	464
		Full	456 459	453
	LTZ	Base	456 459	463 458
		Full	452 449	459 447
	MT — Manual Transmission. AT — Automatic Transmission.			

Vehicle Dimensions



Specifications are for 1.5L PETROL

A. Overall Height up to the roof:

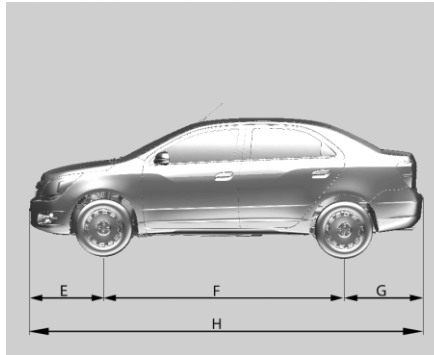
- Manual transmission – 1,516 mm
- Automatic transmission – 1,520 mm

B. Tread:

- Front – 1,504 mm
- Rear – 1,509 mm

C. Overall width – 1,735 mm

D. Overall width (from rearview mirror to rearview mirror) – 2,005 mm



E. Distance between the front wheel centre and the front bumper – 906 mm

F. Wheelbase – 2,620 mm

G. Distance between the rear wheel centre and the rear bumper – 954 mm

H. Overall length – 4,479 mm

Capacities and Specifications

Lubricants and Fluids Capacities	1,5L Petrol
Engine oil change (including filter replacement)	3.75 L
Engine oil change (without filter replacement)	3.50 L
Hydraulic steering system	0.90 L
Manual transmission including final drive	2.00 L
Automatic transmission first fill	7.80 L
Cooling system	5.40 L
Brake system	MT 0.670 L AT 0.620 L
Front washer fluid reservoir	2 L
Fuel tank	47 L
Refrigerant for air conditioning	450 g

Tire Pressure

Tyre	Up to 3 occupants		Full load	
	Front	Rear	Front	Rear
195/65 R15 91H	35 psi (240 kPa)	35 psi (240 kPa)	35 psi (240 kPa)	35 psi (240 kPa)
185/75 R14 89T	35 psi (240 kPa)	35 psi (240 kPa)	35 psi (240 kPa)	35 psi (240 kPa)
Temporary spare tire: 185/75 R14 89T	35 psi (240 kPa)			
psi = Lbf/pol ²				

 CAUTION!

In vehicles equipped with temporary spare tires (different from the road tires), it is recommended to use them in distances below 100 km and at speeds below 80 km/h, and they should not be included in the tire rotation due to size differences.

SEO AVAILABLE OPTIONS

SEO Available Options - Police Package and Special Service Package

ERA Glonass

ERA GLONASS is a manually or automatically actuated emergency service, which is available 24 hours a day, seven days a week. Emergency centres provide assistance and information during an emergency.

In case of an accident with activation of airbags or belt tensioners, an emergency call is placed automatically. An immediate connection with an advisor will be established who will check whether help is needed.

Note

The service is only available for markets, where it is legally required. Furthermore, it depends on the availability of the emergency centres and the infrastructure in the country.

Note

In order to be available and operational, the system requires functioning vehicle electrics, mobile service and GLONASS satellite link. Depending on equipment, a backup battery is used.

Control buttons



TECT button

Press **TECT button** is used for cancellation of a call or for service (technician use only). The system provides feedback via voice messages and an LED.

SOS button

Press **SOS button** after a prompt again to establish an emergency connection.

Status LED

Green: The system is ready or within the recall time, during which the advisor can call back after an established connection (up to approx. two hours, also possible without ignition).

Green flashing: The system is dialling, data transmitting or a voice connection is established.

Red: The system is booting up for maximum 15 seconds after switching on ignition, then the LED turns green. If the LED stays red or turns from green to red, a problem arose, seek the assistance of Dealership Network or Authorized workshop of your choice.

Red flashing: Call is not possible, e.g. because of missing mobile network.

Red/green flashing: System is in test mode. Do not press any button and wait until time-out.

Off: System is off.

Note

In very cold conditions it may take a while to warm up the backup battery. When operational, the red LED turns green.

Seek the assistance of Dealership Network or Authorized workshop of your choice, if the LED does not illuminate after switching on the ignition.

