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Memo

Introduction

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

You must always comply with the specific laws and regulations of the country that you are in. These laws may differ from the information in this Owner's Manual.

When this Owner's Manual refers to a repairer visit, we recommend your Chevrolet Service Partner.

All Chevrolet Service Partners provide first-class service at reasonable prices. Experienced mechanics trained by Chevrolet work according to specific Chevrolet instructions.

The customer literature pack should always be kept ready to hand in the vehicle.

Using this Manual

- This manual describes all options and features available for this model. Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.
- The "In brief" section will give you an initial overview.

- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.
- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the chapter "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.

Danger, Warnings and Cautions

⚠ Danger

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

⚠ Warning

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

Caution

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

We wish you many hours of pleasurable driving

Chevrolet

In brief

Initial drive information

Unlocking the Vehicle

Radio remote control



TDL050A

Press button .

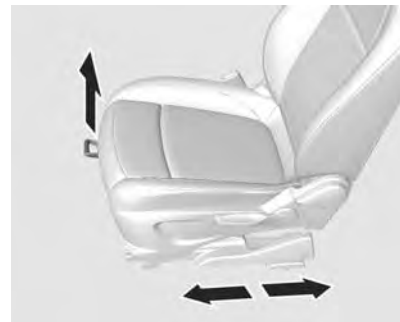
Unlocks all doors. Hazard lamps will flash twice.

See *Radio remote control* on page 18.

See *Central locking system* on page 20.

Seat adjustment

Seat positioning



GO3E3014A

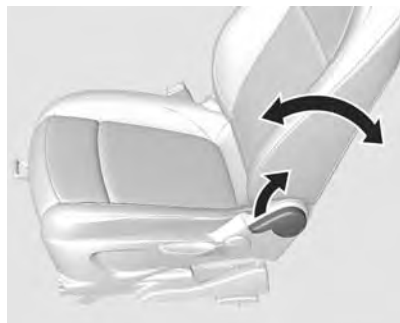
To move seat forward or backward, pull the handle and slide seat to desired position.

Release the handle and make sure the seat is locked in place.

See *Seat adjustment* on page 38.

See *Seat position* on page 37.

Seat backrests



GO3E3015A

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

Do not lean on seat when adjusting.

Seat height



GO3E3016A

Pumping the lever on the outside of the seat cushion until the seat cushion is adjusted to the desired position.

To lower the seat cushion, push the lever down several times.

To raise the seat cushion, pull the lever up several times.

Head restraint adjustment

Height adjustment



GO3E1003A

Pull the head restraint upwards.

To move down press the catch (1) and push the head restraint downwards.

See *Head restraints* on page 35.

Horizontal adjustment



GO3E3002A

Pull the head restraint forwards. It is adjusted to the three positions. To move back pull the head restraint forwards. Then it is moved automatically backwards.

Safety Belt



MD033

Withdraw belt from reel, guide it untwisted across the body and engage the latch plate in the buckle. Tension the lap belt regularly whilst driving by tugging the shoulder belt. See *Safety belts* on page 41.

Mirror Adjustment

Interior mirrors



GO3E2007A

To reduce dazzle, pull the lever on the underside of the mirror housing.

See *Manual rearview mirror* on page 28.

Exterior mirrors



GC3N2006A

Select the relevant exterior mirror by turning the control knob to left (L) or right (R). Then swivel the control to adjust the mirror.

When the position is in "o", mirror is not selected.

See *Remote control mirrors* on page 27.

Steering Wheel Adjustment

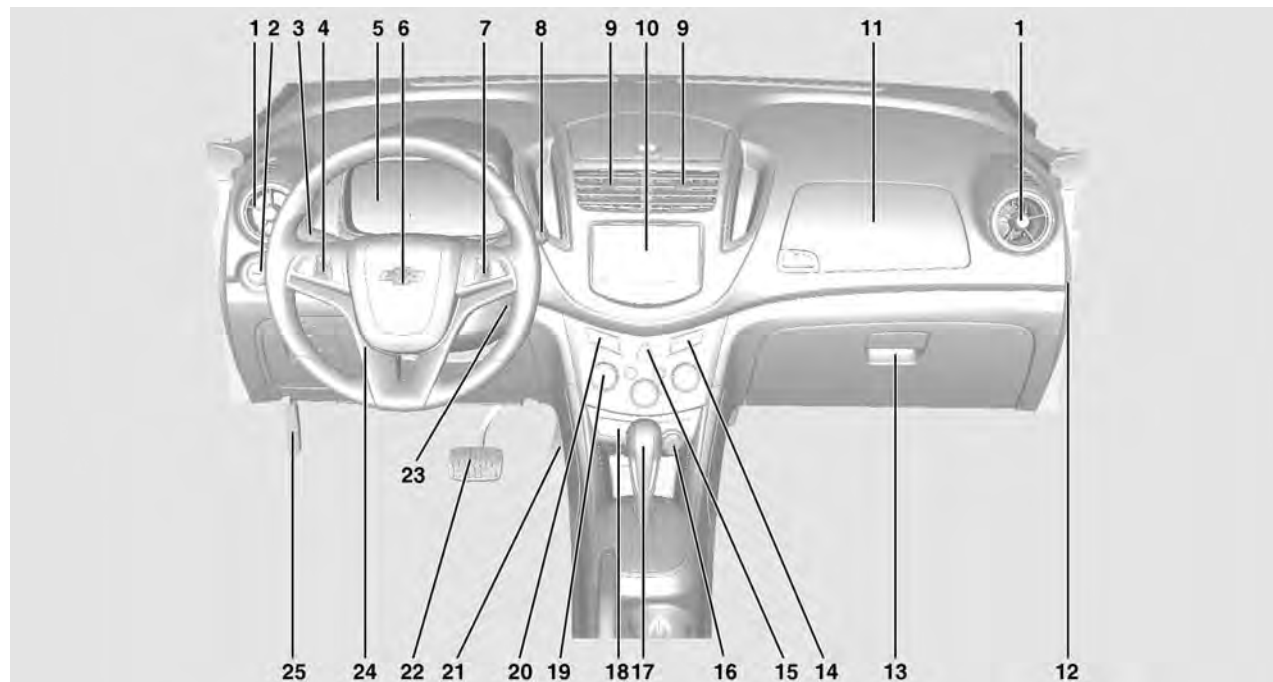


GC3N5001A

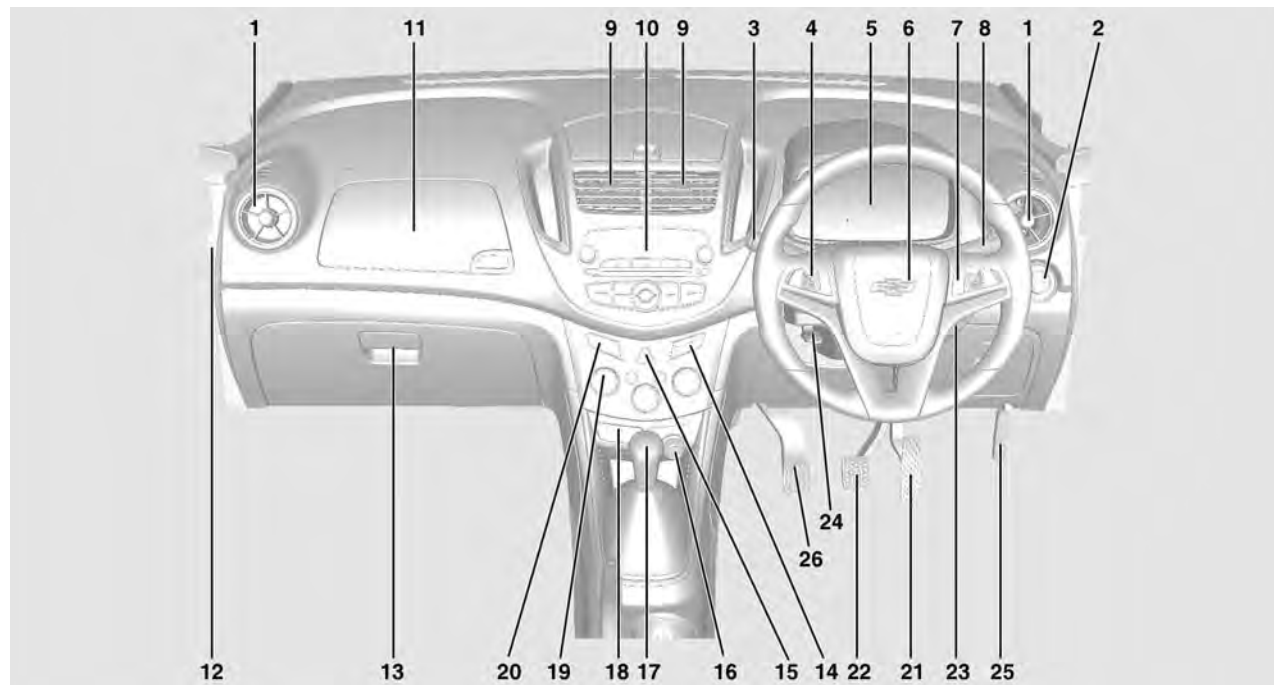
Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked. Do not adjust steering wheel unless vehicle is stationary.

Instrument Panel Overview

LHD



RHD



1. Side air vents
2. Exterior lamp switch
3. Turn signals
4. Cruise control
5. Cluster
6. Horn, Driver's airbag
7. Steering wheel controls
8. Wiper and washer lever
9. Central air vents
10. Infotainment system
11. Storage
12. Passenger airbag ON-OFF switch
13. Glove box
14. Passenger airbag ON-OFF light
15. Hazard warning flasher
16. Power outlet
17. Shift lever
18. Safety lock switch/HDC switch
19. Climate control system
20. ESC switch
21. Accelerator pedal
22. Brake pedal

23. Ignition switch
24. Steering wheel adjustment
25. Hood release lever
26. Clutch pedal

Exterior Lighting





GO3E6004A

Turn light switch knob.


⏻(OFF): To turn off all lamps, turn the knob to OFF position. All lamps are off and return knob to its original AUTO position.


AUTO: Exterior lamps and instrument panel lamps are automatically turned on or off depending on external lighting conditions.

 : The tail lamps, number plate lamps, and instrument panel lamps are illuminated.

 : The headlamps and all of the above lamps are illuminated.

Press light switch

 : Front fog lamp

 : Rear fog lamp

See *Exterior lamp controls on page 107*.

Headlamp high/low-beam changer



JD13A

To switch from low to high beam, push lever.

To switch to low beam, push lever again or pull.


See *Headlamp high/low-beam changer on page 108*.

See *Flash-to-pass on page 108*.

Hazard warning flashers



GC3N6001A

Operated with the  button.

See *Hazard warning flashers on page 109*.

Turn and lane-change signals



JD14A

lever up = right indicator

lever down = left indicator

See *Turn and lane-change signals*
on page 110.

Horn

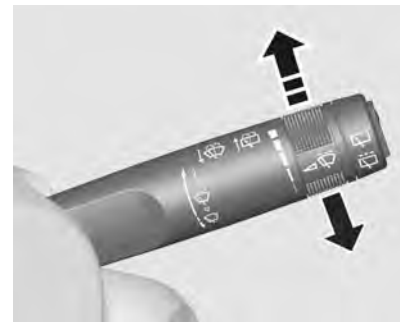


GC3N5003A

Press 

Washer and Wiper Systems

Windshield wiper




TDL033A

2: Continuous wipe, fast speed.

1: Continuous wipe, slow speed.

: Intermittent operation.

: System off.

: Misting function.

For a single swipe when the windshield wipers are off, lightly move the lever down and release it.

See *Windshield wiper/washer* on page 72.

Windshield washer



TDL030A

Pull lever.

See "Windshield washer" under *Windshield wiper/washer* on page 72.

See *Washer fluid* on page 246.

Rear window wiper/washer

Wiper



TEL021A

Press the upward of switch to operate wiper continue.

Press the downward of switch to operate wiper interval.

To turn off the wiper set the switch in neutral.

See *Rear window wiper/washer* on page 74.

Washer



TDL031A

Push the lever toward the instrument panel.

Washer fluid is sprayed onto the rear window and the wiper swipes for a few strokes.

See *Rear window wiper/washer* on page 74.

See *Washer fluid* on page 246.

Climate control

Heated rear window, heated exterior mirrors



GC3N2011A

Operated by pressing the button.
See *Heated mirrors* on page 27.
See *Heated rear window* on page 31.

Demisting and defrosting the windows



GC3E8003A

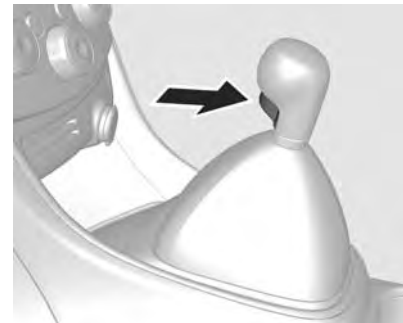
Turn the air distribution knob to DEFROST .

See "Defrosting windshield" under *Heating and ventilation system* on page 185.

See "Demisting windshield" under *Air conditioning system* on page 189.

Transmission

Manual transmission



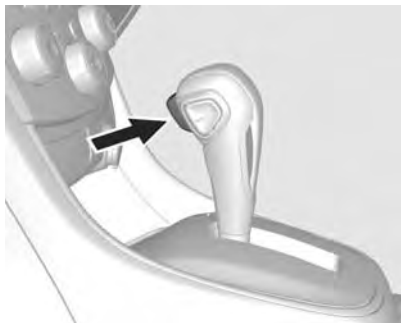
GC3N9007A

To engage reverse, with the vehicle stationary pull up the button on the selector lever and engage the gear.

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

See *Manual transmission* on page 211.

Automatic transmission



GC3N9003A

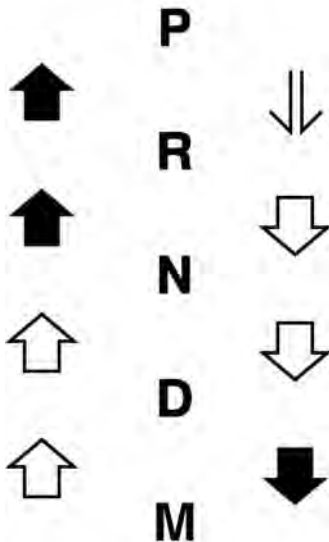
P (PARK): Locks the front wheels. Select P only when the vehicle is stationary and the parking brake is applied.

R (REVERSE): Select R only when the vehicle is stationary.

N (NEUTRAL): Neutral gear.

D: For all normal driving conditions. Allows the transmission to shift into all 6 forward gears.

M: Manual mode position.



TDL148A



MD174

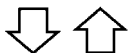
Push the release button to shift. Arrows indicate shifts that do not require you to push the release button.



MD172

Depress the brake pedal and push release button to shift.

Shifts that require you to push the release button are indicated by arrows.



Shift freely.

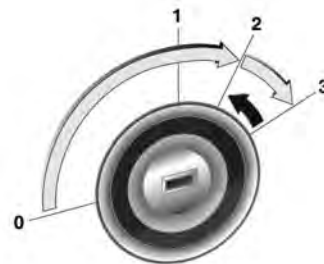
MD173

Getting Started

Check before starting off

- Tyre pressure and condition.
- Engine oil level and fluid levels.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of seats, safety belts and mirrors.
- Check brake function at low speed, particularly if the brakes are wet.

Starting engine with the ignition switch



MD098

- Turn the key to position 1, move the steering wheel slightly to release the steering wheel lock
- Manual transmission: operate clutch
- Automatic transmission : Move selector lever to P or N.
- Do not accelerate

- Diesel engine: turn the key to position 2 for preheating until the glow plug goes out.
- Turn the key to position 3, depressing the clutch pedal and footbrake then release when engine is running

Before restarting or to switch off the engine, turn key back to 0.

Parking

- Do not park the vehicle on an easily flammable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the footbrake 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, engage first gear or "P" position 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, engage reverse gear before switching off the ignition. Turn the front wheels towards the kerb.

- Close windows.
- Lock the vehicle.

Keys, doors and windows

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Interior mirrors	28
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Roof	32

Keys and locks

Keys

Replacement keys

The key number is specified on a detachable tag.

The key number must be quoted when ordering replacement keys as it is a component of the immobiliser system.

See "Lock" under *Exterior care on page 289*.

Key with foldaway key section



TDL046A

Press button to extend.

To fold the key, press the button and fold the key manually.

Radio remote control



TDL048A

Used to operate:

- Central locking system
- Anti-theft alarm system

The radio remote control has an approximate range of up to 20 metres. This range can be affected by outside influences.

The hazard warning flashers confirm operation.

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

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.

Radio remote control battery replacement

Replace the battery as soon as the range is noticeably diminished.

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

Key with foldaway key section



TDL055A

Note

Use CR2032 (or equivalent) replacement battery.

1. Open the transmitter cover.
2. Remove the used battery. Avoid touching the circuit board to other components.
3. Install the new battery. Be sure the negative side (-) faces down toward the base.
4. Close the transmitter cover.
5. Check the operation of the transmitter with your vehicle.

Caution

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

Note

Used lithium batteries can harm the environment.

Follow local recycling laws for disposal.

Do not discard with household waste.

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.

Central locking system

You can activate the central door locking system from the front door. This system allows you to lock and unlock all the doors, the tailgate and fuel filler door from the driver's or passenger's door, using either keyless remote (from outside) or the central locking button (from inside).

The key (from outside) and driver's door sill locking knob (from inside) allows only central door locking.

If the driver's door is not closed properly, the central locking system can not work. It can be changed in the Vehicle Setting.

See *Vehicle personalization on page 102*.

Central locking button

<Driver's door>



GC3N2001A

<Passenger's door>



GC3N2002A

Locks or unlocks all doors, the tailgate and fuel filler door.

Press button  to lock.

Press button  to unlock.

If the driver's door is opened, driver's door and fuel filler door cannot be locked. It can be changed in the Vehicle Setting.

See *Vehicle personalization on page 102*.

Unlocking

Radio remote control



TDL050A

Press button .

Unlock all doors.

Hazard lamps will flash twice.

If unlock driver's door only or change the unlock feedback, it can be changed in the Vehicle Setting.

See *Vehicle personalization* on page 102.

Locking

Radio remote control



TDL052A

Press button .

Lock all doors.


Deadlock


For further protection when leaving the vehicle, you can deadlock the doors.

Deadlocking electronically jams all the electric locks so that no door can be opened, even if entry is gained by breaking glass.

Warning

Do not use deadlocking if there are people in the vehicle. The doors cannot be unlocked from the inside.

To engage deadlock, press button  on the radio remote control twice in succession within 5 seconds.

To disengage deadlock, press button  on the radio remote control.

Note

Deadlock function operates when all doors, the tailgate and fuel filler door are closed.

Disengaging the deadlock occurs when unlocking the doors in the normal way.

Delayed Locking


This feature will delay the actual locking of the doors and arming of the anti-theft alarm system for five seconds when the power door lock switch or radio remote control is used to lock the vehicle.

It can be changed in the Vehicle Setting.

See *Vehicle personalization on page 102*.

ON: When pressing the central locking button, three chimes are sounds to signal delayed locking is in use.

The doors will not lock until five seconds after the last door is closed. You can temporarily override delayed locking by pressing the central locking button or the lock button on the radio remote control.

OFF: The doors will lock immediately when pressing the power lock switch or the button  on the radio remote control.

Manual Door Locks



GO3E2014A

Manually lock by turning the key in the key slot allows central door locking.

Manually unlock by turning the key in the key slot allows driver's door unlock.

Note

Tap the key slot or heat the key if the door does not open with freezing key slot in cold weather.

Safety locks

Caution

Do not pull the inside door handle while the child security door lock is set to LOCK position. To do so can damage the inside door handle.

⚠ Warning

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



TDL002A

You can use a key or suitable screwdriver.

To operate the child security door lock, turn the child locks into horizontal position.

To open a rear door when the child security door lock is activated, open the door from the outside.

To cancel the child security door lock, turn the child locks into vertical position.

Doors

Tailgate

Opening



GC3G2001A

To open the tailgate, push the touchpad when the tailgate is unlocked.

The tailgate is locked or unlocked when all doors are locked or unlocked with the radio remote control or central locking button.

⚠Warning

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

Caution

Before opening the tailgate check overhead obstructions, such as a garage door, to avoid damage of the tailgate. Always check the moving area above and behind the tailgate.

Note

When engine is running, tailgate can open with shift lever in "P" position (automatic transmission) / parking brake is engaged (manual transmission).

Note

The installation of certain heavy accessories onto the tailgate may affect its ability to remain open and opening performance.

Closing

To close the tailgate, push it down so it latches securely.

Do not press the touchpad while closing. It can cause opening again.

Caution

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


Vehicle security

Anti-theft alarm system


Activation



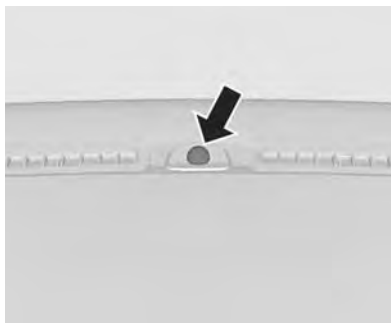
TDL052A

Press button  on the radio remote control.

The anti-theft alarm system is active automatically after 30 seconds.

Press button  on the radio remote control twice.

The anti-theft alarm system is active directly.




GC3N2005A

The indicator flashes quickly during initial 30 seconds and then starts flash slowly.

If the indicator still flashes quickly after initial 30 seconds, driver's doors is not completely closed or system fault.


Seek the assistance of a repairer.

Deactivation

Unlocking the vehicle by pressing button  on the radio remote control deactivates anti-theft alarm system.

Alarm

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

The anti-theft alarm system can be deactivated by pressing the button  or switching on the ignition.

Auto door lock

If any of the door is not opened or the position of Ignition key is not located in ACC or ON within 3 minutes after unlocking doors using the transmitter, all the doors are locked and anti-theft alarm system is activated automatically.

Automatic door unlocks

All doors will be automatically unlocked when the impact is delivered to impact sensors while the ignition is ON.

However, the doors may not be unlocked if mechanical problems occur with the door lock system or battery.

Immobiliser

The immobiliser system provides an additional theft deterrent to your vehicle in which it is installed and prevents it from being started by unauthorised persons. The valid key for a vehicle equipped with immobiliser system is an ignition key with integrated transponder, which is electronically coded. The transponder is placed invisibly in the ignition key.

Only valid ignition keys can be used to start the engine.

Invalid keys may only open the doors.

The engine is automatically immobilised after the key is turned to LOCK and has been removed from the ignition switch.

If the immobiliser system detects a fault when the ignition switch is in ON position, the immobiliser indicator will flash or illuminate and engine will not start.

Have the vehicle checked, we recommend an authorised repairer.

Note

Tap the key slot or heat the key if the door does not open with freezing key slot in cold weather.

Exterior mirrors

Convex mirror

The convex exterior mirror reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Remote control mirrors



GC3N2006A

Select the relevant exterior mirror by turning the control knob to left (L) or right (R). Then swivel the control to adjust the mirror.

When the position is in "o", mirror is not selected.

Folding mirrors

Manual folding




GC3N2007A

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.

Heated mirrors



GC3N2011A

Operated by pressing the  button.

Heating works with the engine running and is switched off automatically after a few minutes or by pressing the button again.

Interior mirrors

Manual rearview mirror



GO3E2007A

To reduce dazzle, pull the lever on the underside of the mirror housing.

Automatic dimming rearview mirror



GO3E2008A

Dazzle from following vehicles at night is automatically reduced.

⚠ Warning

Your view through the mirror may lose some clarity when it is adjusted for night vision.

Take special care with using your inside rearview mirror when it is adjusted for night vision.

Failure to ensure a clear rear view while driving may result in a collision causing damage to your vehicle or other property, and/or personal injury.

Windows

Manual windows



GO3E2009A

The door windows can be opened or closed with the window winders.

Power windows

⚠Warning

Take care when operating the power windows. Risk of injury, particularly to children.

If there are children on the rear seat, switch on the child safety system for the power windows.

Keep a close watch on the windows when closing them.

Ensure that nothing becomes trapped in them as they move.



GC3N2009

Power windows can be operated with ignition ON.

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

Operation

You may operate the power windows when the ignition switch is ON by using the power window switches on each door panel.

To open the window, press down on the switch.

To close the window, lift up on the switch.

Release the switch when the window reaches the desired position.

⚠ Warning

Body parts outside vehicle can be struck by passing objects. Keep all parts of body inside vehicle.

Children can operate and become entrapped in power windows.

Do not leave your keys or unattended children in your car.

Serious injury or death can occur from misuse of power windows.

Auto up/down

To fully open the window automatically, press the switch fully down. To fully close the window automatically, pull the switch fully up. In automatic operation, the window will fully open or close even if you let go of the switch.

To stop the window at the desired position while the window is in operation, pull up or press down and release the switch to the opposite direction of the movement.

Anti-pinch function

In case there is obstacle detection while the driver's window is closed automatically, the window will be opened automatically for safety.

Initializing the power windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Close the window completely and keep the switch pulled for additional 2 seconds.
4. Repeat for each window.

⚠ Warning


Anti-pinch function may not operate after several times operation.


Do not operate the window switch with no purpose.

Child safety system for rear windows



GC3N2010


Press switch  to deactivate rear power windows.

To activate press  again.

Heated rear window



GC3N2011A

Operated by pressing the  button.

Heating works with the engine running and is switched off automatically after a few minutes or by pressing the button again.

Caution

Do not use sharp instruments or abrasive window cleaners on your 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.

The sun visors have mirror covers should be closed when driving.

If the sun visors have vanity mirror lamp, the lamp will illuminate when opening the vanity mirror cover.

⚠ Warning

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

Roof

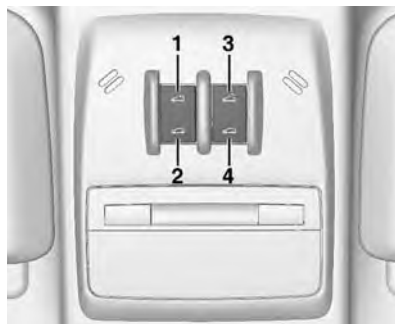
Sunroof

⚠ Warning

Take care when operating the sunroof. There is risk of injury, particularly to children.

Keep a close watch on the movable parts when operating them. Ensure that nothing becomes trapped in them as they move.

Sunroof can be operated with ignition ON.



GO3E2013A

Open/Close

To open the desired position, press lightly and hold the switch (1). Release the switch when the sunroof reaches the desired position.

To close the sunroof, press light and hold the switch (2) until the sunroof is closed.

Tilt Open/Close

To open the sunroof with tilting, press the switch (3).

To close the sunroof, press the switch (4).

Auto open/close

To open the sunroof automatically, press firmly and release the switch (1). To stop movement, press any of the switches once more.

To close the sunroof automatically, press firmly and release the switch (2). To stop movement, press any of the switches once more.

Safety function

If the sun roof encounters resistance during automatic closing, it is immediately stopped and opened again.

Sunblind

The sunblind is operated manually.

Close or open the sunblind by sliding.

When the sunroof is open, the sunblind is always open.

⚠ Warning

Body parts outside vehicle can be struck by passing objects. Keep all parts of body inside vehicle.

Serious injury or death can occur from misuse of sunroof.

Dirt and debris may collect on the sunroof seal or in the track that could cause an issue with sunroof operation, noise or plug the water drainage system. Periodically open the sunroof and remove any obstacles or loose debris. Wipe the sunroof seal and roof sealing area using a clean cloth, mild soap, and water. Do not remove grease from the sunroof.

Memo

Seats, restraints

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Head restraints

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.



MD024

The middle of the head restraint should be at eye 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



GO3E3001A

Pull the head restraint upwards.

To move down press the catch (1) and push the head restraint downwards.

Removing

Raise head restraint fully height.

Press the catches (1) and (2) at the same time.

Pull up the head restraint.

Horizontal adjustment

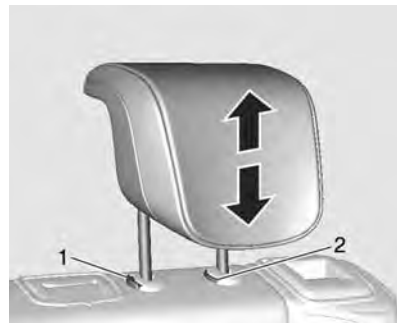


GO3E3002A

Pull the head restraint forwards. It is adjusted to the three positions. To move back pull the head restraint forwards. Then it is moved automatically backwards.

Head restraints on rear seats

Height adjustment



GO3E3003A

Pull the head restraint upwards.

To move down press the catch (1) and push the head restraint downwards.

Removing

Raise head restraint fully height.

Press the catches (1) and (2) at the same time.

Pull up the head restraint.

Rear headrest non-use position



GO3E3022A

When the rear headrest is at the pull-down position, this is the non-use position of headrest.

Front seats

Seat position

⚠ Warning

Only drive with the seat correctly adjusted.



MD028

- Sit with your buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that your legs are slightly angled when you fully depress the pedals. Slide the passenger seat as far back as possible.
- Sit with your shoulders as far back against the backrest as possible. Set the backrest angle so that you can easily reach the steering wheel with your arms slightly bent. Maintain contact between your shoulders and the backrest when turning the steering wheel. Do not tilt the backrest too far back. We recommend a maximum angle of approx. 25°.
- Adjust the steering wheel. See *Steering wheel adjustment* on page 71.

- 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. See *Head restraints on page 35*.
- Adjust the height of the safety belt. See "Height adjustment" under *Three-point safety belts on page 43*.

Seat adjustment

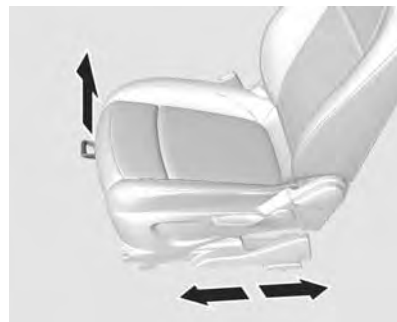
⚠ Danger

Do not sit nearer than 25 cm(10in) to the steering wheel, to permit safe airbag deployment.

⚠ Warning

Never adjust seats while driving as they could move uncontrollably.

Seat positioning

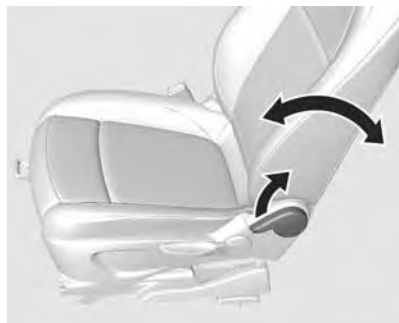


GO3E3014A

To move seat forward or backward, pull the handle and slide seat to desired position.

Release the handle and make sure the seat is locked in place.

Seat backrests



GO3E3015A

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

Note

Do not lean on seat when adjusting.

Seat height



GO3E3016A

Pumping the lever on the outside of the seat cushion until the seat cushion is adjusted to the desired position.

To lower the seat cushion, push the lever down several times.

To raise the seat cushion, pull the lever up several times.

Heated front seats



GC3N3008A

The seat heater buttons are located in the climate control.

Seat heating is operational when the engine is running.

To warm the seat, press the button that you want to warm.

Indicator in the button will be illuminated.

To turn the seat heater off, press the button again.

⚠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.

Folding seatback**Front passenger's seat****⚠Warning**

If you fold the seatback forward to carry longer objects, such as skis, be sure any such cargo is not near an airbag. In a crash, an inflating airbag might force that object toward a person. This could cause severe injury or even death. Secure object away from the area in which an airbag would inflate.

Things you put on this seatback can strike and injure people in a sudden stop or turn, or in a crash. Remove or secure all items before driving.



GC3N3007A

To fold the seatback,

1. Lower the head restraint all the way.
2. Pull up and hold the lever under the front of the seat to slide the seat as far back as it will go and release the lever.
3. Lift the recliner lever (1) up fully and fold the seatback (2) forward until it is locked.

To raise the seatback,

1. Lift the seatback and push to original position.
2. Latch the seatback into place by pushing on the top of the seatback.
3. Pull the seatback forward again to make sure the seatback is properly latched.

Caution

If the seatback is not locked, it could move forward in a sudden stop or crash.

That could cause injury to the person sitting there. Always push and pull on the seatback to be sure it is locked.

Safety belts

Safety belts



MD033

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

⚠Warning

Fasten safety belt before each trip.

In the event of an accident, people not wearing safety belts endanger their fellow occupants and themselves.


Safety belts are only designed for use by one person at a time. They are not suitable for people younger than 12 years of age or smaller than 150 cm (5 ft).

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 repairer.

Note

Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

Safety belt reminder . See *Safety belt reminders on page 85*.

Belt force limiters

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

Belt tensioners

This vehicle has safety belt pre-tensioners for front outboard occupants. Although the safety belt pre-tensioners cannot be seen, they are part of the safety belt assembly. They can help tighten the safety belts during the early stages of a moderate to severe frontal and near frontal crash if the threshold conditions for pre-tensioner activation are met.

Pre-tensioners work only once. If the pre-tensioners activate in a crash, the pre-tensioners and probably other new parts of the vehicle's safety belt system will be need to be replaced.




GO3E3017A

In the event of a head-on or side or rear-end collision of a certain severity, the front safety belts are tightened.

⚠ Warning

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 on page 86*.

Triggered belt tensioners must be replaced by a repairer. 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.

⚠Warning

Do not bleach or dye safety belts. It may severely weaken them. In a crash, they might not be able to provide adequate protection.

Clean safety belts only with mild soap and lukewarm water.

Three-point safety belts

Fitting



MD035

Withdraw belt from reel, guide it untwisted across the body and engage the latch plate in the buckle.

Tension the lap belt regularly while driving by tugging the shoulder belt.



MD036

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.

⚠Warning

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

Height adjustment on front seat safety belts



GO3E3005A

1. Press button.
2. Adjust height and engage.

Adjust the height so that the belt lies across the shoulder. It must not lie across the throat or upper arm.

⚠ Warning

Do not adjust while driving.

Removing



MD038

To release belt, press red button on belt buckle.

Safety belts on the rear seats

The three point safety belt for the rear central seat can only be withdrawn from the retractor if the backrest is in the rear position.

Safety belt use during pregnancy

⚠ Warning

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

Safety belts work for everyone, including pregnant women.

Like all occupants, pregnant women are more likely to be seriously injured if they do not wear safety belts.

In addition, when a safety belt is worn properly, it is more likely that the unborn child will be safe in a crash.

To provide maximum protection, a pregnant woman should wear a safety belt.

She should wear the lap portion of the belt as low as possible throughout her pregnancy.

Airbag system

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 safety 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 getting a burn by explosion while airbag is deployed.

Note

The airbag systems and belt tensioner control electronics are located in the central 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 repairer.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

In the event of airbag deployment have the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats removed by a repairer.

When an air bag deploys, there may be a loud noise and smoke. These conditions are normal and are not dangerous but in case it may irritate skin of the passenger. If the irritation is continued, contact a doctor.


⚠ Danger

Never allow children or infants and pregnant women and the old and the weak sit in the front passenger seats fitted with airbags.

Furthermore, 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

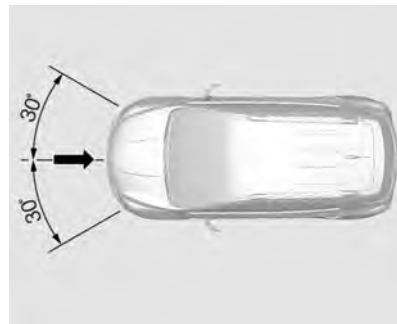
If the vehicle is impacted by bumps or objects on unpaved roads or sidewalks, the air bag may inflate. Drive slowly on the surfaces not designed for vehicle traffic to prevent unintended air bag deployment.

Control indicator  for airbag systems.

See *Airbag and safety belt tensioner light on page 86*.

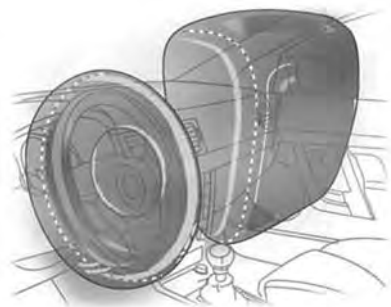
Front airbag system

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



GO3E3007A

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.



MD039

The forward movement of the front seat occupants is retarded, thereby considerably reducing the risk of injury to the upper body and head.

⚠Warning

Optimum protection is only provided when the seat is in the proper position.

See *Seat position* on page 37.

Keep the area in which the airbag inflates clear of obstructions.

Wear the seat belt properly fastened. Only then the airbag is able to protect.

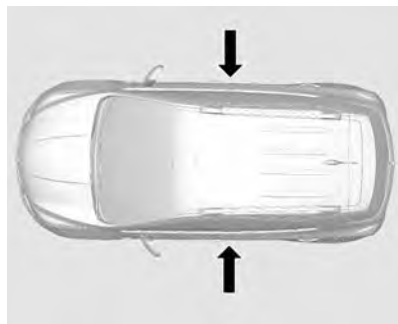
Side airbag system



GO3E3008A

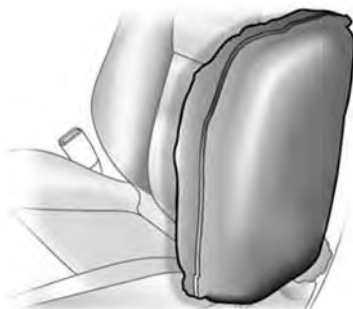
The side airbag system consists of an airbag in each front seat backrest.

This can be identified by the word AIRBAG.



GO3E3006A

The side airbag system is triggered in the event of an accident of a certain severity. The ignition must be ON.



MD041

The risk of injury to the thorax and pelvis in the event of a side-on collision is considerably reduced.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

Note

Only use protective seat covers that have been approved for your vehicle. Be careful not to cover the airbags.

⚠Warning

Children who are seated in close proximity to a side airbag may be at risk of serious or fatal injury if the airbag deploys, especially if the child's head, neck, or chest is close to the airbag at the time of deployment.

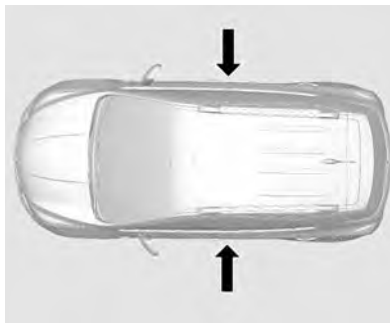
Never let your child lean on the door or close to the side airbag module.

Curtain airbag system



GO3E3009A

The curtain airbag system consists of an airbag in the roof frame on each side. This can be identified by the word AIRBAG on the roof pillars.



GO3E3006A

The curtain airbag system is triggered in the event of an accident of a certain severity. The ignition must be ON.



MD043

The risk of injury to the head in the event of a side impact is considerably reduced.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without coat hangers. Do not keep any items in these clothes.

Airbag on-off switch

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



TEL014A



Front passenger airbag system can be deactivated via a lock on the side of the instrument panel, visible when the front passenger door is open.


⚠Warning

Deactivate front passenger airbag system when the front passenger seat is occupied by a child.

Activate front passenger airbag system when an adult is on the front passenger seat.


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.

 = front passenger airbags are activated. No child restraint systems can be installed.



GC3G3001A

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.

Change status only when the vehicle is stopped with the ignition off.

Status remains until the next change. Control indicator for airbag deactivation.

See *Airbag on-off light* on page 86.

Child restraints

Child restraint systems

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.



GC3E3001A

⚠ Warning

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

⚠ Warning

WARNING—EXTREME HAZARD

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

⚠Warning

When using a child restraint system on the front passenger seat, the airbag systems for the front passenger seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.

This is especially the case if rearfacing child restraint systems are used on the front passenger seat.

Selecting the right system

The rear seats are the most convenient location to fasten a child restraint system.

Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident.

Children under the age of 12 years that are smaller than 150 cm (5 ft) are only allowed to travel in a restraint system that is suitable for the child. Since a proper position of the belt is rarely possible with a child that is smaller than 150 cm (5 ft), we strongly advise the use of an appropriate child restraint system, even though this might, due to the age of the child, no longer be legally binding.

Never carry a child while travelling in the vehicle. The child will become too heavy to hold in the event of a collision.

When transporting children, use the child restraint systems suitable for the child's weight.

Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct.

Only allow children to enter and exit the vehicle at the side facing away from the traffic.

When the child restraint system is not in use, secure the seat with a safety belt or remove it from the vehicle.

Note

Do not stick anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.

Please ensure that infants and children are seated in the rear seats using child restraints.

Until the children can use safety belts, please select a child restraint suitable for its age and make sure the child wears it. Please see the instructions on the relevant products for child restraints.

Child Restraint Installation Locations

Permissible options for fitting a child restraint system

Weight and age class	On front passenger seat		On rear outboard seats	On rear central seat ¹⁾
	activated airbag	deactivated airbag		
Group 0: up to 10 kg				
or approx. 10 months	X	L ²⁾ , U ²⁾	L ³⁾ , U ³⁾	U ³⁾
Group 0+: up to 13 kg				
or approx. 2 years	X	L ²⁾ , U ²⁾	L ³⁾ , U ³⁾	U ³⁾
Group I: 9 to 18 kg				
or approx. 8 months to 4 years	X	L ²⁾ , U ²⁾	L ³⁾ , U ³⁾	U ³⁾
Group II: 15 to 25 kg				
or approx. 3 to 7 years	X	X	L ³⁾ , U ³⁾	X
Group III: 22 to 36 kg				
or approx. 6 to 12 years	X	X	L ³⁾ , U ³⁾	X

- 1) CRS with support leg is not allowed due to incompatible vehicle floor such as Maxi cosi Cabriofix plus Easybase2
- 2) Only if front passenger seat airbag system is deactivated. If the child restraint system is being secured using a three-point seat belt, move seat height adjustment to uppermost position and ensure that vehicle safety belt runs forwards from the upper anchorage point. Adjust seat backrest inclination as far as necessary to a vertical position to ensure that the belt is tight on the buckle side.
- 3) Move the head restraint to uppermost position. If it interferes with the proper installation of the child restraint system, remove the headrest.

See *Head restraints* on page 35

Note

Move front seat to the foremost 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 on rear seats and front seat backrest .

L: Suitable for particular child restraint systems of the "specific vehicle", "restricted" or "semi-universal" categories.

The restraint system must be approved for the " specific vehicle type", "restricted" or "semi-universal" categories.

U: Universal suitability in conjunction with three-point safety belt.

X: No child restraint system permitted in this weight class.

Permissible options for fitting an ISOFIX child restraint system

Weight class	Size class	Fixture	On front passenger seat	On rear outboard seats	On rear central seat
Group 0: up to 10 kg	E	ISO/R1	X	IL ¹⁾	X
Group 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
Group I: 9 to 18 kg	D	ISO/R2	X	IL ¹⁾	X
	C	ISO/R3	X	IL ²⁾	X
	B	ISO/F2	X	IL, IUF	X
	B1	ISO/F2X	X	IL, IUF	X
	A	ISO/F3	X	IL, IUF	X

1) Move front 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", "restricted" or "semi-universal" categories.

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

X: No ISOFIX child restraint system approved in this weight class.

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.

Isfix child restraint systems



GC3N3004A

Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets. Specific vehicle ISOFIX child restraint system positions are marked in the table by IL.


ISOFIX mounting brackets are indicated by a label on the backrest.



GO3E3011A

The vehicle might be equipped with guides in front of the mounting brackets to support the installation of the child restraint system. The lids of the guides will swivel backwards automatically when attaching the child restraint system.

Top-tether fastening eyes

Top-Tether fastening eyes are marked with the symbol  for a child seat.



GO3E3013A

In addition to the ISOFIX mounting, fasten the Top-Tether strap to the Top-Tether fastening eyes. The strap must run between the two guide rods of the head restraint.

ISOFIX child restraint systems of universal category positions are marked in the table by IUF.

Storage

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Information on loading the vehicle.	69

Storage compartments

Instrument panel storage



GC3N4001A

It is located in the instrument panel.
To open the upper storage, slide the latch.



GO3E4014A

It is located near the steering column on the bottom of the instrument panel.

To open, pull the handle.



GC3N4002A

It is located on top of the glove box.

To open, push the button.

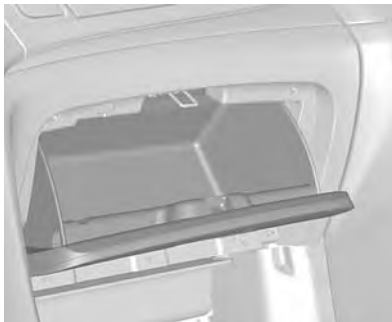
It is used for small articles, etc.

To close, firmly push the storage door shut.

⚠Warning

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

Glovebox



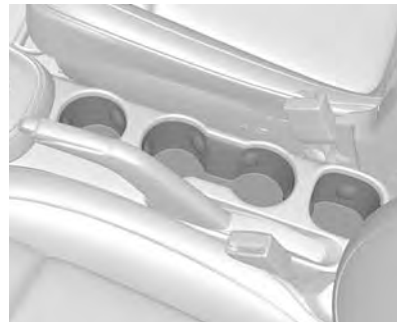
GO3E4003A

To open, pull the grip.

⚠Warning

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

Cupholders



GC3N4003A



GO3E4005A

The cup holders are located in the center console and the rear seat armrest.

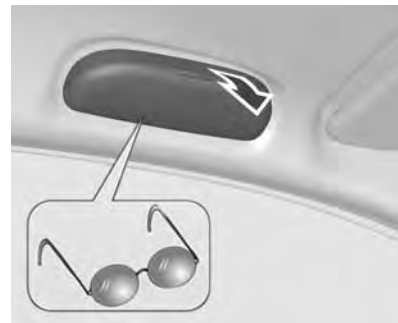
To use the rear seat cup holder, pull the strap in the rear seat armrest.

⚠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 burn yourself. Such a burn to the driver could lead to loss of control of the vehicle.

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

Sunglasses storage



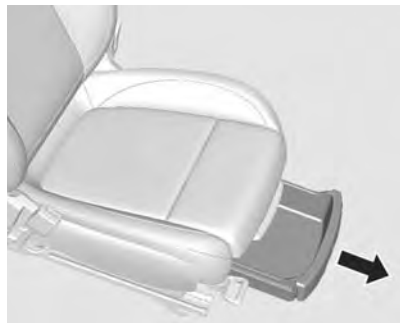
TDL063A

Fold down to open.

Caution

Do not use for storing heavy objects.

Underseat storage



GO3E4006A

To use the front passenger seat undertray, pull up on the end of the tray and pull it toward the instrument panel. Push the tray toward the seat to return it to its original position.

Luggage/load locations

Luggage compartment

Folding the seatback after cushion flip

⚠ Warning

Do not stack luggage or other cargo higher than the front seats.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion.

Unrestrained luggage or passengers on a folded seatback can be thrown about within or ejected from the vehicle in a sudden stop or accident.

Serious injuries or death can result.

⚠ Warning

If either seatback is not locked, it could move forward in a sudden stop or crash. That could cause injury to the person sitting there. Always push and pull on the seatbacks to be sure they are locked.

⚠ Warning

A safety belt that is improperly routed, not properly attached or twisted will not provide the protection needed in a crash. The person wearing the belt could be seriously injured. After raising the rear seatback, always check to be sure that the safety belts are properly routed and attached and are not twisted.

To fold down the rear seatbacks :

Caution

Folding the rear seat backrest before cushion flip, may cause damage to the rear seat.

Always flip the cushion and fold the rear seat backrest.

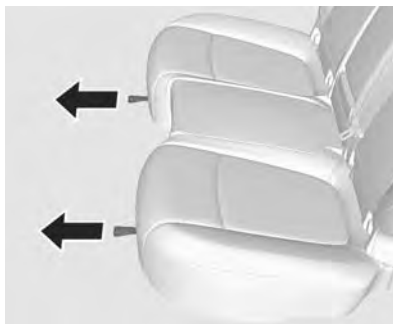
Caution

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

1. Push head restraints down by pressing the catch.

Note

To ensure enough room for rear seat cushion operation, slide the front seat forward and adjust the front seatback upright.



GO3E4007A

2. Pull the strap under the seat cushion. Then, the seat cushion is fallen automatically.

Note

Do not place anything in the floor.

It can cause improperly folding or damage to the seat cushion.



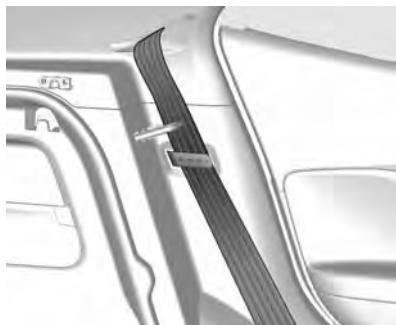
GO3E4009A

1. Pull the release lever on top of the rear seatback.



GO3E4008A

2. Fold the seatback forward and down.



GO3E4010A

3. Put the safety belts of the outboard seats into the belt guides.
4. To return the seatback to the original position, pull out the safety belt from the belt guides and lift seatback up. Push seatback firmly into place. Make sure the safety belts are not pinched by the latch.

The center rear safety belt may lock when you raise the seatback. If this happens, let the belt go back all the way and start again.

If the safety belt still locked, try again after pulling cushion out.

⚠ Warning

To return the rear seat cushion, put the rear part of the seat cushion in its original position ensuring that the safety belt buckle straps are not twisted or caught under the seat cushion, then push the front part of the seat cushion firmly down until it latches.

Caution

When returning rear seatback to the upright position, place the rear safety belt and buckles between the rear seatback and one cushion. Make sure the rear safety belt and buckles not to be pinched under the rear seat cushion.

Make sure the safety belts are not twisted or caught in the seatback and are arranged in their proper position.

⚠Warning

Ensure that the rear seatbacks are all the way back and locked in position before operating the vehicle with passengers in the rear seat.

Do not pull the release levers on the top of the seatback while the vehicle is moving.

It can cause injuries or damage to the occupants.

Caution

Folding a rear seat with the safety belts still fastened may cause damage to the seat or the safety belts.

Always unbuckle the safety belts and return them to their normal stowed position before folding a rear seat.

⚠Warning

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

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

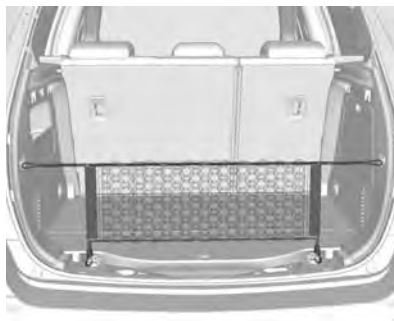
Objects carried on the folded down seatback should not extend higher than the top of the front seats. This could allow cargo to slide forward and cause injury or damage during sudden stops.

Additional Storage Features

Convenience Net

You can carry small loads with your convenience net.

Before installing the convenience net, read the instruction sheet carefully.



GC3G4003A

Install the upper elastic loops to the upper attachments, and then install the lower hooks to the lower attachments as shown.

Caution

The convenience net is designed for small loads. Do not carry heavy objects in your convenience net.

Rear Compartment/Storage Panel Cover

Rear Compartment



GC3N4004A

You can place tools or spare tyre, etc.

Pull the strap and lift it.



GO3E4024A

Fold the load floor and place the hook into the shopping hook located in the side trim as shown.

Note

If it is located in inappropriate place may cause rattle noise and wear by contact with rear seat.

Storage Panel Cover



GC3N4005A

You can place small objects or hide items stored in the cargo area.

To use the panel, hang each loop to both anchors of the tailgate.

When not in use, place the panel in rear seat backward.

Note

If it is located in inappropriate place may cause rattle noise and wear by contact with rear seat.

Caution

Do not place heavy objects in panel.

When lift the tailgate it lifted too, keep clean panel to avoid objects fall.

Roof Rack System

Roof rack



GC3E4001A

The roof rack can be used to conveniently carry additional cargo, or bulky items.

The roof rack has side rails attached to the roof.

Consult an authorised repairer for details and regulations on driving with a loaded roof rack.

Caution

Ensure that the load is evenly distributed over the side or cross rails. The roof surface must not be loaded.

A loaded luggage carrier alters the vehicle's centre of gravity. Drive carefully when in crosswinds and do not drive at high speeds.

To prevent damage or loss of cargo as you are driving, check frequently to make sure your cargo are securely fastened.

When you are carrying cargo on the roof rack, do not operate the sunroof.

⚠ Warning

If you try to carry something on top of your vehicle that is longer or wider than the roof rack, the wind can catch it as you drive along. This can cause you to lose control. What you are carrying could be violently torn off, and this could cause you or other drivers to have a collision, and of course damage your vehicle.

Never carry something longer or wider than the roof rack on top of your vehicle.

A loaded roof rack changes the vehicle's centre of gravity. Do not drive at high speeds. Take precautions when driving in crosswinds.

Failure to follow this caution can result in vehicle damage and personal injury.

⚠Warning

The maximum load for the roof rack rails is 165 lbs (75 kg). Do not exceed the maximum vehicle capacity when loading your vehicle.

Information on loading the vehicle**Information on loading the vehicle**

- Heavy objects in the tailgate should be placed against the seat backrests. Ensure the backrests are securely engaged. If objects can be stacked, the heavier objects should be placed at the bottom.
- Secure objects in tailgate to prevent sliding.
- When transporting objects in the tailgate, the backrests of the rear seats must not be angled forward.
- Do not allow the load to protrude above the upper edge of the backrests.

- Do not place any objects on the tailgate cover or the instrument panel, do not cover the sensor on top of 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 tailgate.
- The payload is the difference between the permitted gross vehicle weight (See *Identification plate on page 309*) and the kerb weight.
For the kerb weight in detail, refer to the technical data section.

- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity. Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Instruments and controls

Controls	71
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Controls

Steering wheel adjustment



GC3N5001A

Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary.

Caution

If strong impact delivers to steering column axle direction when the steering wheel is adjusted or the lever is locked, it may cause damage to the parts related to steering wheel.

Steering wheel controls



GC3N5002A

The infotainment system and the cruise control can be operated by the controls on the steering wheel.

See Infotainment system.

See *Cruise control* on page 219.

Horn

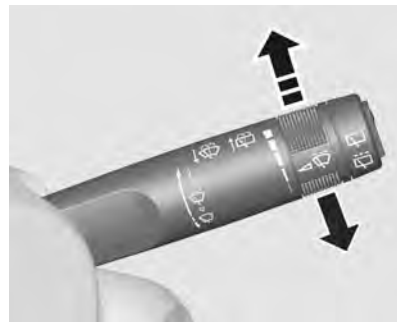


GC3N5003A

Press 

Windshield wiper/washer

Windshield wiper



TDL033A


To operate the windshield wipers, turn the ignition ON and move the windshield wiper / washer lever upward.

2: Continuous wipe, fast speed.

1: Continuous wipe, slow speed.

: Intermittent operation.

O: System off.

: Misting function.

Misting function

To operate the windshield wipers once in case of light rain or mist, lightly press the windshield wiper/washer lever down and release it. The lever will return automatically to its normal position when released. The wipers will operate through one cycle.

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 windshield wipers when the windshield is dry or obstructed, as with snow or ice. Using the wipers on an obstructed windshield can damage the wiper blades, wiper motor, and glass.

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

Adjustable wiper interval



TDL032A

Turn the wheel to adjust the desired wipe interval:

Short interval = turn adjuster wheel upwards

Long interval = turn adjuster wheel downwards

Windshield washer



TDL030A

Pull lever. Washer fluid is sprayed onto the windshield and the wiper swipes for one stroke.

Caution

Do not operate the windshield washer continuously for more than some seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat resulting in costly repairs.

⚠Warning

Do not spray washer fluid on the windshield in freezing weather.

Using washer fluid and wipers may cause an accident in freezing weather because washer fluid can form ice on a frozen windshield and obstruct your vision.

Rear window wiper/washer

Wiper



TEL021A

To operate the tailgate wiper, press the switch in the end of the lever.

Press the upward of switch to operate wiper continue.

Press the downward of switch to operate wiper interval.

To turn off the wiper set the switch in neutral.

Washer



TDL031A

Push the lever toward the instrument panel.

Washer fluid is sprayed onto the rear window 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 tailgate window wiper when the tailgate window is dry or obstructed, as with snow or ice.

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

Check blade is not frozen to window before operating in cold weather. Wiper operation while blade is frozen can damage wiper motor.

Do not spray washer fluid on the tailgate window in freezing weather.

Warm the tailgate window before you operate the tailgate window washer.

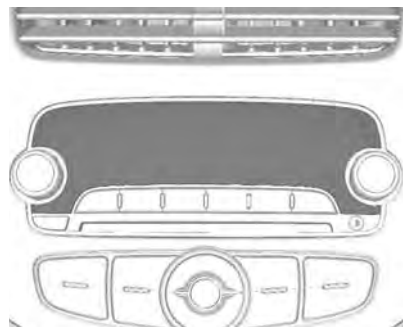
Caution

Washer fluid can form ice on a frozen tailgate window and obstruct your vision.

Do not operate the tailgate window washer continuously for more than some seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat resulting in costly repairs.

Clock

<Type 1>



GC3G5014A

<Type 2>



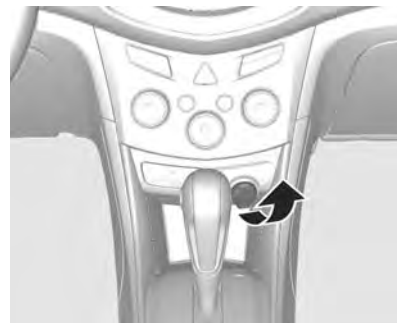
GC3N5004A

Time and date are shown in the infotainment display.

Settings for time and date can be adjusted.

See Infotainment system.

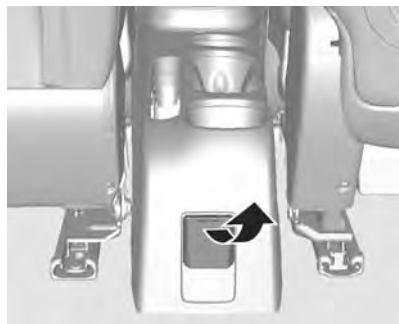
Power outlets



GC3N5005A

A 12V power outlet is located in the central console.

Do not exceed the maximum power consumption of 120 watts.



GC3N5006A

A 230V power outlet is located below the backward of center console.

Do not exceed the maximum power consumption of 150 watts.

With ignition off the power outlet is deactivated.

Additionally the power outlet is deactivated in case of low battery voltage.

Note

Close the cover when not in 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.

⚠ Warning

Sparks may occur when connecting the unit to a power source, this is normal.

Do not connect in the vicinity of flammable or explosive substances.

Do not start the engine where the inverter is connected or running.

The inverter will not operate most appliances designed to produce heat, such as hair dryers, irons, toasters, heaters and coffee machines as these items drain high amounts of current in excess of 150 watts.

Cigarette lighter



GC3G5001A

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

Caution

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

Do not hold the lighter in 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 repairer to have it repaired. We recommend that you consult your authorised repairer. It can cause injuries and damage to your vehicle.

⚠ Warning

If you leave the vehicle with an inflammable explosive substance, such as a disposable lighter, inside the car in summer, it can explode and cause fire due to an increase of temperature in the passenger compartment and the boot.

Please ensure that no inflammable explosive substances are left or kept inside the car.

Caution

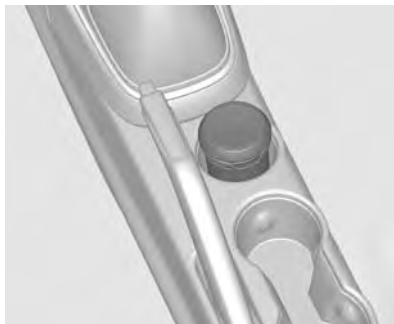
The cigarette socket should only be used with the cigarette lighter. If other 12 V power adapters are installed into the cigarette socket, fuse failure or a potential thermal incident may occur.

Caution

The barrel of an operating cigarette lighter can become very hot.

Do not touch the barrel of the cigarette lighter and do not allow children to operate or play with the cigarette lighter.

This hot metal can cause personal injuries and damage to your vehicle or other property.

Ashtrays

GC3G5002A

The portable ashtray can be placed in the cup holders.

To open the ashtray, gently lift the lid of the ashtray. After using, close the lid firmly.

To empty the ashtray for cleaning, slightly rotate upper part of the ashtray counterclockwise and remove it.

Caution

Cigarettes and other smoking materials could set them on fire. Do not put paper or other flammable items in the ashtray.

An ashtray fire can lead to personal injury or damage to your vehicle or other property.

Warning lights, gauges and indicators

Speedometer



Indicates vehicle speed.

THR012A

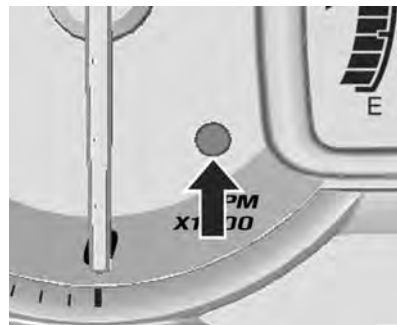
Odometer



GC3N5016A

The odometer shows how far your car has been driven in kilometers or miles.

There is independent trip odometer, which measure the distance your vehicle has travelled since you last reset this function.



GC3G5015A

Each time you press the knob in the cluster, the display changes in the following order:

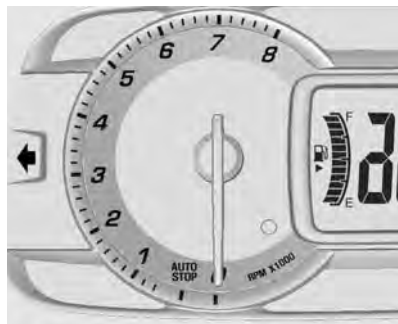
Odometer ↔ Trip odometer

Note

To reset trip odometer to zero, press the knob for a few seconds.

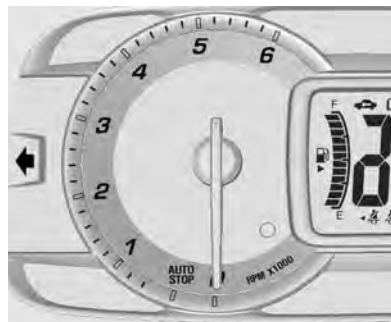
Tachometer

Petrol



GC3E5003A

Diesel



GC3E5004A

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 warning zone, the maximum permitted engine speed is exceeded. Engine is at risk.

Fuel gauge



TEL039A

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.

Movement of the fuel within the fuel tank causes the fuel gauge pointer to move when you brake, accelerate or turn.

⚠ Danger

Before refueling, stop vehicle and switch off the engine.

Service display**Control indicators**

The control indicators described are not present in all vehicles. The description applies to all instrument versions. The actual in the vehicle may differ from the description. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red = danger, important reminder

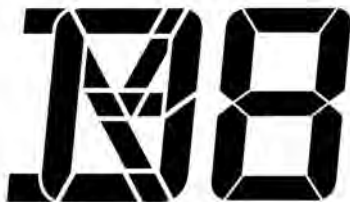
yellow = warning, information, fault

green, blue, white = confirmation of activation

Type 2



Transmission display



TGL023A

It indicates the selected gear or transmission mode.

Turn signal

↔ flashes green.

Flashes

The control indicator flashes if a turn signal or the hazard warning flashers are activated.

Fast flashing

Failure of a turn signal lamp or associated fuse.

See *Bulb replacement on page 251*.

See *Fuses on page 258*.

See *Turn and lane-change signals on page 110*.

Safety belt reminders

⚠ for driver's seat illuminates or flashes red.

⚠₂ for front passenger seat illuminates or flashes, when seat is occupied.

⚠⚠⚠ for rear seats illuminate in the Driver Information Center(DIC).

When the ignition switched ON, the indicator light and warning chime comes on and stay on for several seconds to remind fasten safety belts.

The light flashes until the safety belt is buckled.

If safety belt remains unbuckled when the vehicle is moving, lights and chime repeat.


If the safety belt is buckled, light and chime will go off.

See *Three-point safety belts on page 43*.

Airbag and safety belt tensioner light

 illuminates red.

When the ignition is switched on, the control indicator illuminated for a few seconds. If it does not illuminate, does not go out after few seconds or illuminates whilst driving, there is a fault in the belt tensioner or in the airbag system. The systems may fail to trigger in the event of an accident.

Vehicle trouble or deployment of the belt tensioners or airbags may be indicated by continuous illumination of .

Warning

Have the cause of the fault eliminated immediately by a repairer.

See *Airbag system* on page 45.


See "Belt tensioners" under *Safety belts* on page 41.

Airbag on-off light




GC3G3001A

The control indicators are in instrument panel.

 for front passenger airbag illuminates.

When the control indicator illuminates the front passenger airbag is activated and child or infant seat should not be installed on the front passenger seat.

 for front passenger airbag illuminates.

When the control indicator illuminates the front passenger airbag is deactivated.

Warning

If the both indicators remain on, or both indicators go out, there is a problem in the passenger airbag status system.

Have the cause of the problem eliminated immediately by a repairer.

Charging system light

 illuminates red.

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

Illuminates when the engine is running

Stop, switch off engine. Battery is not charging. Engine cooling may be interrupted.

Seek the assistance of a repairer.

Malfunction indicator light

 illuminates yellow.

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

If the indicator does not go out or if it illuminates while driving, there is a fault in the emission control system. Have the vehicle checked by a repairer.


Caution

The indicator light signals that your vehicle has a problem that requires attention.

Driving with the malfunction indicator light on or flashing can damage the emissions control system and can affect the fuel economy and drive ability of your vehicle.

We recommend that you consult your authorised repairer.

Service vehicle soon light

 illuminates when the vehicle needs a service.

Have the vehicle checked by a repairer immediately.

See *Vehicle messages on page 98*.

Apply clutch pedal light

 illuminates yellow.

It illuminates when clutch pedal needs to be operated to restart the engine.

See *Automatic engine start/stop feature on page 199*.

Brake system warning light

❗ illuminates red.

Illuminates when the parking brake is released, if the brake fluid level is too low or if there is a brake system fault.

See *Brake fluid* on page 247.

⚠ Warning

Do not drive with the brake system warning lamp on.

This may mean your brakes are not working properly.

Driving with malfunctioning brakes can lead to a collision resulting in personal injuries and damage to your vehicle and other property.

Illuminates after the ignition is switched on if the manual parking brake is applied.

See *Parking brake* on page 215.

Antilock brake system (ABS) warning light

Ⓜ illuminates yellow.

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 if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

See *Antilock brake system (ABS)* on page 214.

Up-Shift Light

⬆ illuminates when to shift to the next higher gear for best fuel economy.

See *Manual transmission* on page 211

Hill descent control (HDC) system light

Ⓜ illuminates green when system is ready.

Ⓜ blinks green when system is activated.

See *Ride control systems* on page 215.

Power steering warning light

Ⓜ! illuminates yellow.

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

If the indicator does not go out after a few seconds, or if it illuminates while driving, there is a fault in the power steering.

Seek the assistance of a repairer.

Ultrasonic parking assist light

 illuminates yellow.

- Fault due to sensors that are dirty
- Covered by ice or snow
- Outside ultrasonic waves interference

When the source of interference is removed, the system will operate normally.

If the lamp does not go out, have the cause of the fault in the system remedied by a repairer.

Electronic stability control (ESC) indicator light

 illuminates or flashes yellow.

Illuminated

A fault in the system is present. Continued driving is possible. Driving stability, however, may deteriorate depending on road surface conditions.

Have the cause of the fault remedied by a repairer.

Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Electronic stability control (ESC) off light

 illuminates yellow.

Illuminates when the system is deactivated.

Traction control (TC) off light

 illuminates yellow.

Illuminate when the system is deactivated.

Tyre pressure monitoring system light

 illuminates yellow.

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

If the light comes on while driving, the tyre pressure monitoring system detects that one or more of your tyres is significantly under-inflated.

Stop the vehicle in safe place, check tyres and inflate the tyres to the recommended pressure on the tyre inflation pressure label.

When the system detects a malfunction, the light blinks for about one minute and then stays on for the remainder of the ignition cycle.

The malfunction light comes on until the problem is corrected. Have the vehicle checked by a repairer.

See *Tyre Pressure Monitor Operation* on page 267.

Pre-Heating System and Diesel Particle Filter Light (Diesel only)

Preheating indicator light

 illuminates yellow.

Illuminate when preheating is activated. When the light goes out the engine can be started.

Diesel particle filter indicator light

 flashes yellow.

Flashes if the diesel particle filter requires cleaning and previous driving conditions did not permit automatic cleaning. Continue driving and if possible do not allow engine speed to drop below 2000 rpm.

It goes off as soon as the self cleaning operation is complete.

See *Diesel particle filter* on page 202.

Engine coolant temperature warning light

 illuminates red.

This lamp tells you that the engine coolant has overheated.

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

If the lamp does not go out, you should switch the engine off and consult a repairer as soon as possible. We recommend that you consult your authorised repairer.

Engine oil pressure light

 illuminates red.

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

Illuminates when the engine is running

Caution

Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.

If the engine oil pressure warning lamp comes on while driving, pull off the road, stop the engine and check the oil level.

⚠ Warning

When the engine is off, considerably more force is needed to brake and steer.

Do not remove key until vehicle has come to a standstill, otherwise the steering column lock could engage unexpectedly.

Check oil level before seeking the assistance of a repairer.

See *Engine oil* on page 238.

Low fuel warning light

 illuminates yellow.

Illuminates when level in fuel tank is too low.

Caution

Do not let your vehicle run out of fuel.

This can damage the catalytic converter.

See *Catalytic converter* on page 203.

Immobilizer light

 illuminates yellow.

Illuminates when there is a fault. The engine cannot be started.

Have the cause of the fault remedied by a repairer.

Reduced Engine Power light

 illuminates yellow.

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

If the light comes with the service vehicle soon light while driving, there is a problem in the vehicle.

Stop the vehicle in a safe place restart after 10 seconds.

The vehicle may be driven at a reduced speed while the reduced engine power light is on.

Have the vehicle checked by a repairer immediately.

High-beam on light

 illuminates blue.

Illuminated when high beam is on and during headlight flash.

See *Headlamp high/low-beam changer on page 108*.

Daytime running lamps (DRL) light

 illuminates green.

Illuminates when the daytime running lamps are on.

See *Daytime running lamps (DRL) on page 109*.

Fog lamp light

 illuminates green.

Illuminated when the front fog lamps are on.

See *Front fog lamps on page 110*.

Rear fog lamp light

 illuminates yellow.

Illuminated when the rear fog lamps is on.

See *Rear fog lamps on page 111*.

Taillamp Indicator Light

 illuminates green.

Illuminated when the taillamps are on.

Cruise control light

 illuminates white.

Illuminated when the cruise control systems is on.

 illuminates green.

Illuminated when the cruise control system is activated.

Door ajar light

 illuminates red.

It illuminates when a door or the tailgate is open.

Information displays

Driver Information Center (DIC)



GC3G5004A

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



TDL169A

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

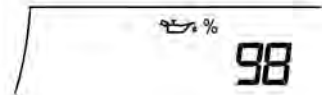
You can select the following order:

- Engine oil life
- Unit setting
- Language setting
- Compass setting
- Tyre learn
- Tyre loading
- Compass zone setting

■ Compass recalibration

Each menu can be selected turn the adjuster wheel in the turn signal lever.

Engine oil life



GC3N5010A

It displays an estimate of the oil's remaining useful life.

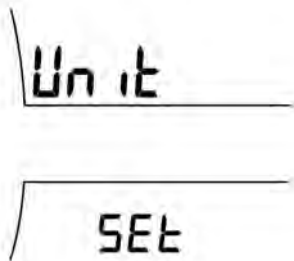
If the number 98 is displayed, it means 98% of the current oil life remains.

When the remaining oil life is low, the vehicle message code 82(Change engine oil soon) will appear in the Driver Information Center (DIC). The engine oil should be changed as soon as possible.

After engine oil change, the engine oil life system must be reset. To reset, press the SET/CLR button a few seconds.

See *Engine oil* on page 238.

Unit setting



TEL085A

Press the SET/CLR button a few seconds.

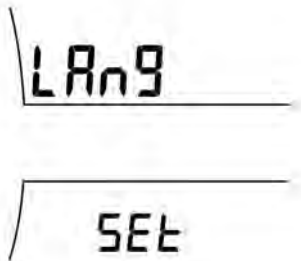
Turn the adjuster wheel to select one of the settings.

- 1: Imperial (MPH, °C)
- 2: US (MPH, °F)
- 3: Metric (km/h, °C)

During change unit, selected unit is flashed.

Press the SET/CLR button to confirm.

Language setting



TEL086A

Press the SET/CLR button a few seconds.

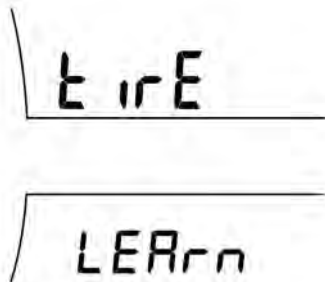
Turn the adjuster wheel to select one of the settings.

- 1: Alphabet
- 2: Arabic numeral

During change unit, selected unit is flashed.

Press the SET/CLR button to confirm.

Tyre learn



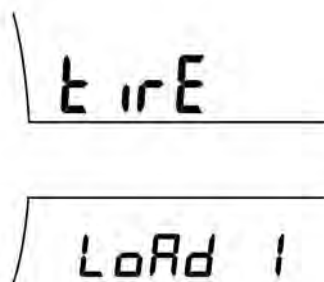
TNA020A

This display allows for matching new tyre and wheel by the TPMS sensors.

To process matching, press the SET/CLR button a few seconds.

See *Tyre pressure monitoring system light on page 89*.

Tyre loading



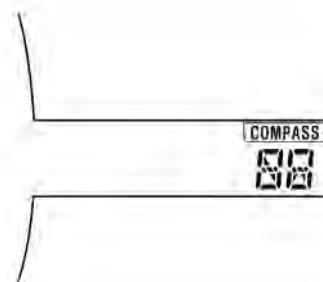
GC3E5005A

Press the SET/CLR button a few seconds to select the menu.

Turn the adjuster wheel to select one of the settings.

- Load 1: Lo
- Load 2: Eco
- Load 3: Hi

Compass setting

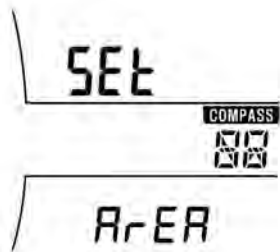
**Compass display**

This displays the vehicle's driving direction to 8-direction (N, NE, E, SE, S, SW, W, NW).

Note

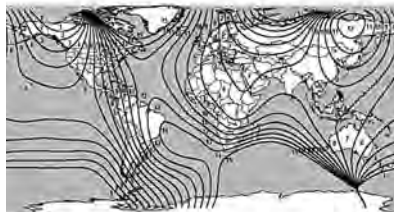
Whenever the DIC or the battery is disconnected, the DIC must be recalibrated. To do this, the vehicle must be driven through 360°. Until calibrated the compass will not function correctly.

Compass Zone Setting



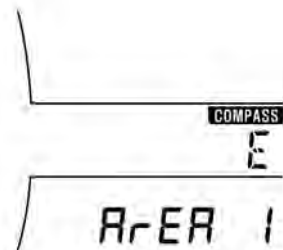
Press the **SET/CLR** button a few seconds to set compass zone and turn the adjuster wheel to select one of the settings.

Geographic Zone(Area)



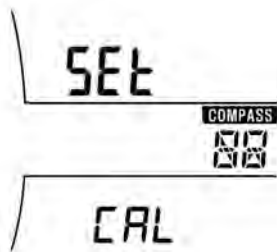
GC3G5013A

Zone(Area) should be selected properly based on Geographic zones(Area 1-15).



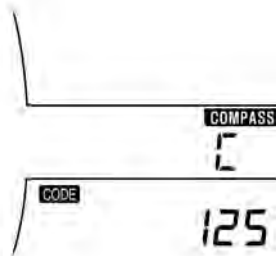
Please confirm what you selected , it will display a few seconds and go to Compass zone setting (set area).

Compass recalibration



GC3G5010A

press the **SET/CLR** button for a few seconds to recalibrate and drive in circles (**360°**) then compass will be flashing during driving.

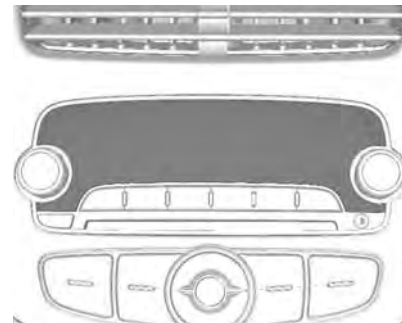


GC3G5011A

If you complete (**360°**) driving, learned direction will be displayed and the display will go to Compass recalibration within **30** seconds.

Board information display (BID)

<Type 1>



GC3G5014A

<Type 2>



GC3N5004A

Date, time, outside temperature and infotainment system information are displayed.

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

See *Vehicle personalization* on page 102.

Vehicle messages

Vehicle messages

The messages are given via the Driver Information Center (DIC) or as warning chime.

Depending on vehicle equipment and vehicle personalization some of the functions described below might not be available.

Caution

If the vehicle message is shown, have the vehicle checked by a repairer immediately.



GC3N5011A

The vehicle messages are displayed as code numbers.

No. Vehicle message

- 15 High mounted brake light failure
- 16 Service brake lights
- 18 Left low beam failure
- 20 Right low beam failure
- 21 Left front position light failure
- 22 Right front position light failure

No. Vehicle message

- 23 Reversing light failure
- 24 License 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
- 73 Service All Wheel Drive System
- 82 Change engine oil soon
- 84 Engine power is reduced
- 89 Service vehicle soon
- 125 Compass calibrating - Drive in circles
- 128 Hood open
- 173 All wheel drive off
- 256 AWD is temporarily disabled.

Warning buzzers

When starting the engine or while driving

- If safety belt is not fastened.
- If a certain speed is exceeded with parking brake applied.
- If a warning code appears in the Driver Information Center.

When the vehicle is parked and/or a door is opened

- When the key is in the ignition switch.
- With exterior lights on.

Trip computer

Trip computer



GC3G5005A

Trip computer is located in Driver Information Center (DIC).

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



TDL168A

To operate the trip computer, turn the adjuster wheel in turn signal lever.

Each time you turn the adjuster wheel, the mode changes in the following order:

Average speed → Driving distance for remaining fuel → Average consumption → Driving time → Average speed

Some modes can be reset by pressing SET/CLR button.

Average speed



GC3G5006A

This mode indicates the average speed.

The average speed is accumulated while the engine is running even the vehicle is not driven.

To reset the average speed, press the SET/CLR button.

Driving distance for remaining fuel



GC3N5014A

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

If you fill the fuel when the vehicle is in inclined situations or a battery is disconnected, trip computer cannot read the actual value.

Note

As an auxiliary device, the trip computer may have differences with the actual distance for remaining fuel according to circumstances.

The driving distance for remaining fuel can be changed by the driver, the road, and the vehicle speed because it is calculated according to the changing fuel efficiency.

Average consumption

GC3G5007A

This mode indicates the average consumption.

The average consumption is accumulated while the engine is running even the vehicle is not driven.

To reset the average consumption, press the SET/CLR button.

Driving time

TDL127A

This mode indicates the total driving time.

The driving time is accumulated since the last driving time reset even when the vehicle is not driven.

To stop or start the driving time, press the SET/CLR button.

To reset the driving time, press the SET/CLR button for a few seconds.

Note

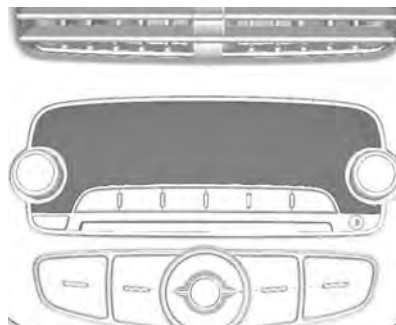
The average speed, driving distance for remaining fuel, average consumption can differ from the actual distance according to driving conditions, driving pattern or vehicle speed.

Vehicle personalization**Vehicle personalization**

The vehicle can be personalized by changing the settings in the infotainment display.

Depending on vehicle equipment some of the functions described below might not be available.

<Type 1>



GC3G5014A

Press the CONFIG button, when ignition is ON and infotainment system is activated.

Setting menus is displayed.

To switch the setting menus turn the MENU knob.

To select the setting menus, press the MENU button.

To close or back to previous, press the BACK button.

Select the "Vehicle settings".

Vehicle Settings

■ Comfort settings

Chime volume: Change the volume of warning chime.

Personalization by driver:

Activate or deactivate the personalization.

Rear auto wipe in reverse:

Activate or deactivate the rear wipe in reverse gear.

■ Park assist / Collision detection

Park assist: Activate or deactivate the ultrasonic sensors.

■ Exterior ambient lighting

Exterior lighting by unlocking:

Activate or deactivate the entry lighting.

Duration upon exit of vehicle:

Activate or deactivate of exit lighting and change the lighting duration.

■ Power door locks

Auto door unlock: Activate or deactivate auto door unlocking when automatic door locking. Also, change the configuration unlocking only the driver's door or all doors.

Auto door lock: Activate or deactivate auto door locking when driving.

Stop door lock if door open:

Activate or deactivate the driver's door lock when the door is open. If deactivated is selected, the Delayed door lock menu is available.

Delayed door lock: Activate or deactivate the delayed door lock. When pressing the central locking button, three chimes are sounds to signal delayed locking is in use. This function will delay the locking of the doors until five seconds after the last door is closed.

■ Remote locking, unlocking, starting

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 the all doors while unlocking.

Auto relock doors: Activate or deactivate the door automatically locking when door is not opened after unlocking.

■ Restore factory settings

All settings are restored to initial settings.

<Type 2>



GC3N5004A

Press the HOME button in the infotainment system, when ignition is ON and infotainment system is activated.

Press the "Settings" and then press "Vehicle settings".

Vehicle settings■ **Comfort & Convenience**

Chime volume: Select the chime volume level.

Auto wipe in reverse gear:

Activate or deactivate the rear wipe in reverse gear.

■ **Collision/detection**

Park assist: Activate or deactivate the ultrasonic sensors.

■ **Lighting**

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

Vehicle locator lights: Activate or deactivate of vehicle locator lights.

■ **Power door locks**

Auto door lock: Activate or deactivate auto door locking when driving.

Unlocked door anti lock out:

When on, this feature will keep the driver door from locking when the door is open. If off is selected, the Delayed Door Lock menu will be available and the door will lock as programmed through this menu.

Delayed door lock: Activate or deactivate the delayed door lock. When pressing the central locking button, three chimes sound to signal delayed locking is in use. When it is on, this function will delay the locking of the doors until a few seconds after the last door is closed.

■ **Lock, unlock settings**

Remote unlock light feedback: Activate or deactivate the light feedback while unlocking.

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

■ **Rear camera option**

Symbols: Select On or off

Guide lines: Select On or off

■ **Vehicle factory settings:**

All settings are restored to initial settings.

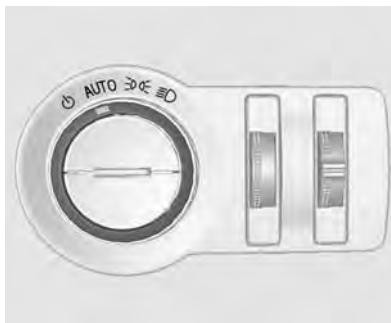
Memo

Lighting

Exterior lighting.....	107
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Exterior lighting

Exterior lamp controls



GO3E6004A

To turn the exterior lamps on or off, turn the light switch knob. The light switch has four positions as follows:

OFF: To turn off all lamps, turn the knob to OFF position.

All lamps are off and return knob to its original AUTO position.

AUTO: Exterior lamps and instrument panel lamps are automatically turned on or off depending on external lighting conditions.

☞ : The tail lamps, number plate lamps, and instrument panel lamps are illuminated.

☞ : The headlamps and all of the above lamps are illuminated.

Automatic light control

Automatic light control function



GO3E6005A

When the external lighting is dim, if the automatic light control is on, exterior lamps and instrument panel lamps are automatically turned on.

To turn off the control, turn the knob to OFF position.

All lamps are off and return knob to its original AUTO position.

Headlamp high/low-beam changer



JD13A

The high-beam headlamps are turned on when the low-beam headlamps are on.

To switch from low to high beam, push lever.

To switch to low beam, push lever again or pull.

Note

The headlamp high-beam indicator illuminates when headlamps are on high beam.

⚠ Warning

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

Flash-to-pass

Pull the lever.

The lever will return to its normal position when you release it. The high-beam headlamps will stay on as long as you hold the lever toward you.

Headlamp range adjustment

Manual headlamp range adjustment



GO3E6006A

To adapt headlamp 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.

Headlamps when driving abroad

The asymmetrical headlamp beam extends visibility at the edge of the road at the passenger side.

However, when driving in countries where traffic drives on the opposite side of the road, adjust the headlamp to prevent dazzling of oncoming traffic.

See *Headlamps and parking lamps* on page 252.

Daytime running lamps (DRL)

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

Tail lamps are not on.

Hazard warning flashers



GC3N6001A

Operated with the  button.

To activate the hazard warning flashers, push the button.

To turn off the flashers, push the button again.

Turn and lane-change signals



JD14A

lever up = right indicator

lever down = left indicator

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

For three flashes, e.g. when changing lanes, press the lever until 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



GO3E6007A

To turn the front fog lamp on, press the  button.


The front fog indicator is illuminated when the front fog lamps are on.

To turn off, press the button again.


Rear fog lamps



GO3E6008A

Operated with the  button.

Light switch in position AUTO: switching on rear fog light will switch headlights on automatically.

Light switch in position : rear fog light can only be switched on with front fog lights.

The rear fog indicator is illuminated when the rear fog lamp is on.

Reversing lamps

The reversing lamp comes 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; to help switch on the headlights

This condition is caused by the temperature difference between the lamp inside and outside. This is similar to the condensation on your windows inside your vehicle during the rain and does not indicate a problem with your vehicle.

If water leaks into the lamp bulb circuitry, have the vehicle checked by your authorised repairer.

Interior lighting

Instrument panel illumination control



GO3E6002A

The brightness of the instrument panel lighting and steering wheel controls can be adjusted.

Move and hold the thumbwheel up or down to brighten or dim the lights.

Interior lamps

Courtesy light



MD077

Operate rocker switch:

I: always on until shut off manually.

D: automatic switching on when you open a door and off after doors are closed.



O: always off, even when doors are open.

Reading lamps



GO3E6003A

The front reading lamps are located in the overhead console.

Press   to turn each lamp on or off.

Sun visor lamps

This lamp turns on when the sun visor cover is opened.

Note

The battery can be discharged if the lights are turned on for a long time.

⚠ Warning

Avoid using reading lights or the courtesy light while driving in the dark.

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

Lighting features

Entry lighting

Welcome lighting

Headlights, sidelights, tail lights and interior lights are switched on for a short time when unlocking the vehicle with the remote control. This function facilitates locating the vehicle when it is dark.

The lighting switches off immediately when the ignition is turned to the accessory position.

Activation or deactivation of this function can be changed in the Vehicle Settings.

See *Vehicle personalization* on page 102.

Entrance lighting

The following lights will additionally switch on when driver's door is opened:

- Some switches
- Some interior lights

Exit lighting

Headlights, sidelights and tail lights illuminate the way for an adjustable time after leaving the vehicle.



TEL113A

Switching on

Activation, deactivation and duration of lighting of this function can be changed in the Vehicle Settings. See *Vehicle personalization* on page 102.

Vehicles without automatic light

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

If the driver's door is not closed the lights switch off after a few seconds.

The lighting is switched off immediately if the turn signal lever is pulled while the driver's door is open.

Vehicles with automatic light

1. Light switch in AUTO.
2. Switch off ignition.
3. Remove ignition key.

Depending on the external lighting conditions the exit lighting is switched on.

Battery power protection

Switching off electric lights

Battery saver is to prevent the battery from being discharged.

If you turn the ignition off, lights are turned off automatically after a few seconds.

Infotainment system

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Phone (only for Type A model)....	166

Introduction

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 36 FM/AM radio or DAB stations with the PRESET buttons [1~6] per every six pages.

The integrated CD player can play audio CD and MP3 (WMA) discs, and the USB player can play connected USB storage devices or iPod products.

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

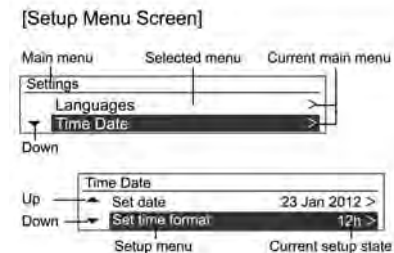
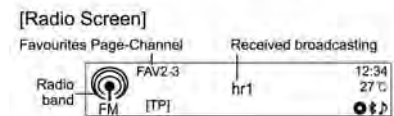
Connect a portable music player to the exterior sound input to and enjoy the rich sound of the Infotainment system.

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

The system can be easily adjusted with the carefully designed adjusting device, smart displayer, and multifunctional menu dial regulator.

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

Screen Display



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 by the people that have stolen it.

Overview

Infotainment System



Type A: Radio/DAB + CD/MP3 + AUX + USB/iPod + Bluetooth**Type B: Radio + CD/MP3 + AUX****(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 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 and take out the disc.

(5) Disc slot

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

(6) FAVOURITE [FAV1-2-3] button

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

(7) INFORMATION [INFO] button

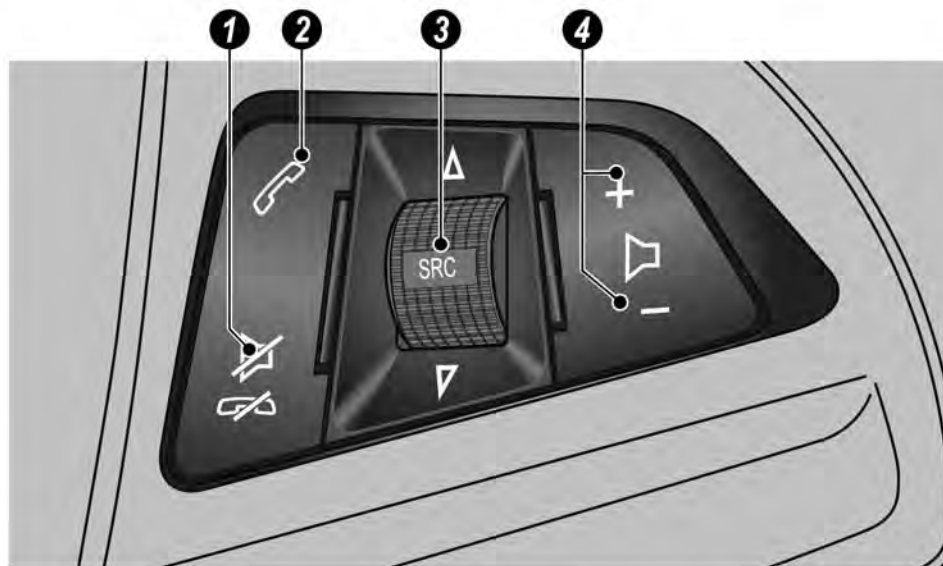
- Press this button to view file information when using the CD/MP3/USB/iPod play modes.
- View information about a radio station and the currently playing song when using the radio function.

(8) ◀SEEK▶ buttons

- Press these buttons while using the radio or DAB (Digital Audio Broadcasting: only for Type A model) 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/forward through the currently playing songs.

- | | | |
|--|--|---|
| <p>(9) CD/AUX button</p> <p>Press button to select CD/MP3/AUX or USB/iPod/Bluetooth audio function</p> <p>(10) RADIO BAND button</p> <p>Press button to select AM/FM radio or DAB (Digital Audio Broadcasting: only for Type A model) function</p> <p>(11) TP button</p> <p>While using the FM RDS function, turn the TP (Traffic Programme) function on or off.</p> <p>(12) CONFIG button</p> <p>Press this button to enter the system setup menu.</p> <p>(13) TONE button</p> <p>Press this button to adjust/select the sound setup mode.</p> | <p>(14) MENU-TUNE button with control</p> <ul style="list-style-type: none">• Press this button to display the currently functioning menu or select/practice setup content and setup values.• Turn the control knob to move/ change setup content or setup values. <p>(15) AUX port</p> <p>Connect an exterior sound device to this port.</p> <p>(16) ↺ BACK button</p> <ul style="list-style-type: none">• Cancel input content or return to the previous menu. | <p>(17) PHONE/MUTE button</p> <ul style="list-style-type: none">• Press this button to activate Bluetooth mode (only for Type A model) or to turn the mute function on or off (only for Type B model).• Hold down the button to turn the mute function on or off (only for Type A model). |
|--|--|---|

Steering wheel audio control Type 1 : option



(1) **Mute/Hang up** button

- Press the button in any music play mode to turn the mute function on and off. In engaged mode, you can press this button to reject calls or to finish the call.

(2) **Call** button

- Press the button to answer the call or enter the re-dial selection mode.
- Hold down the button to enter the dialled call log or to move back and forth from hands-free mode and private call mode during a call.

(3) **Source** [Δ SRC ∇]

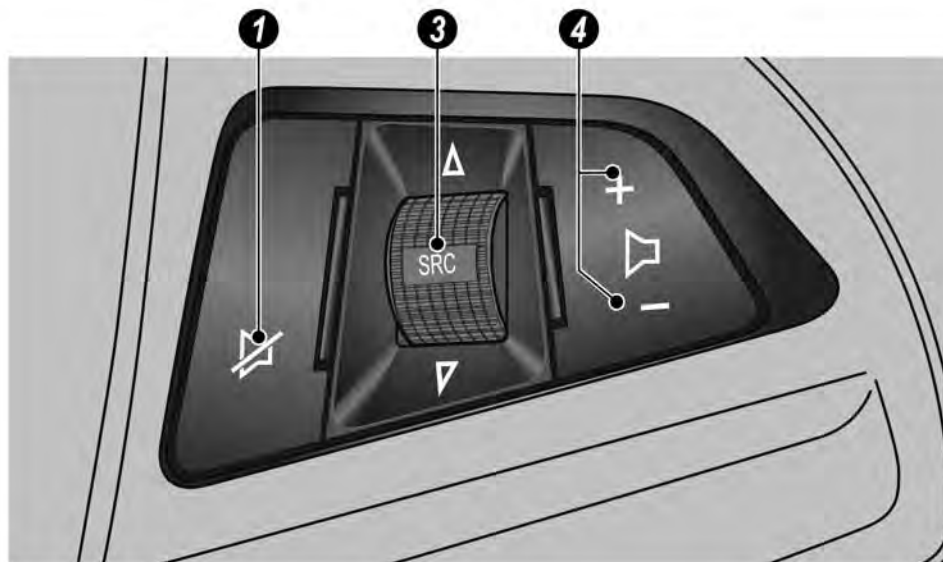
button/control knob

- Press the button to select a sound play mode.
- Turn the control knob to change the registered radio stations or change the music being played.

(4) **Volume** [**+** **-**] buttons

- Press the + button to increase the volume.
- Press the - button to decrease the volume.

Steering wheel audio control Type 2 : option



(1) **Mute/Hang up** button

Press the button to turn the mute function on and off

(3) **Source [ASRCV]**

button/control knob

- Press the button to select a sound play mode.
- Turn the control knob to change the registered radio stations or change the music being played.

(4) **Volume [+ -]** buttons

- Press the + button to increase the volume
- Press the - button to decrease the volume.

Operation

Buttons and controlling device

The Infotainment system is operated by using the function buttons, multifunctional dial control knob, and the menu indicated on the screen display.

The buttons and control devices used in the system are as follows.

- The Infotainment system buttons and control knob
- Steering wheel remote control buttons

System on/off



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

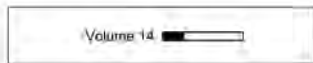
- Turning on the power will play the previously chosen broadcasting station or song. (However, it will be different for Bluetooth audio depending on the device.)

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

Turning off automatically

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

Volume control



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

- Using the steering wheel remote control knob, press the VOLUME [+/ -] buttons 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

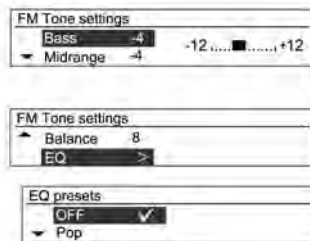
Once the speed-compensating sound volume setup starts operating, the volume will automatically be controlled according to the vehicle's speed to offset the noise from the engine and tyres. (Refer to Settings → Radio settings → Auto volume control)

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/DAB radio and each audio player's functions.

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

Turn the **MENU-TUNE** control knob to select 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.

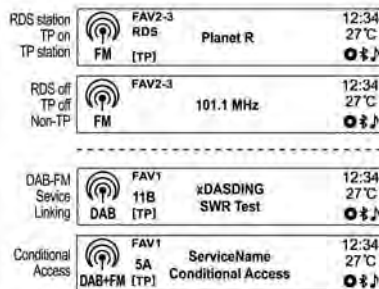
It is possible to initialize the currently selected item by long-pressing the **MENU-TUNE** button in the tune configuration mode, or to initialize all items of the tune configuration mode by long-pressing the **TONE** button.

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 in the six speaker system vehicle model.
- 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)

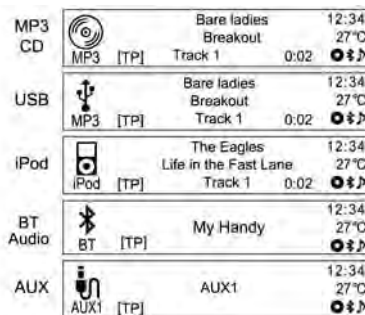
Select function

FM/AM Radio or DAB



Press the **RADIO BAND** button to select FM/AM radio or DAB (only for Type A model) function. Press the **MENU-TUNE** button to open the FM/AM/DAB menu that includes options for selecting broadcast stations.

CD/MP3/USB/iPod/Bluetooth audio play or exterior sound (AUX) input



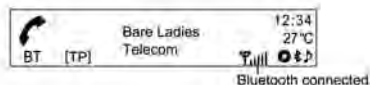
Repeatedly press the CD/AUX button to toggle through the audio player functions, the AUX function for CD/MP3 discs, or the connected USB or iPod, Bluetooth audio player. (CD/MP3 → AUX → USB or iPod, Bluetooth audio → CD/MP3 →....)

- From the steering wheel remote control knob, press **Source** [ASRC7] to select the desired mode.



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



Press the **PHONE/MUTE** button to select the Bluetooth hands-free phone function (only for Type A models).



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

Radio

AM/FM Radio and DAB (only for Type A model)

Before using AM-FM Radio

Main buttons/control knob

(10) **RADIO BAND** button

Press button to select AM/FM radio or DAB (Digital Audio Broadcasting: only for Type A model) function

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

- Turn this control knob to manually find a broadcasting frequency.
- Press this 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 or DAB (Digital Audio Broadcasting: only for Type A model) stations.
- Hold down this button to change the radio or DAB (only for Type A model) frequency as desired, and then let the button go to stop at the current frequency.

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

Press this button to move through the pages of saved favourite radio or DAB (only for Type A model) stations.

(3) **PRESET [1 ~ 6]** buttons

- Hold down any of these PRESET buttons to register the current radio or DAB (only for Type A model) station to that button.
- Press this button to select the station registered to the PRESET button.

(11) **TP** button

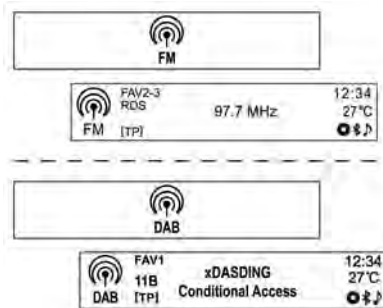
While using the FM RDS function, turn the TP (Traffic Programme) function on or off.

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

View the information for broadcast radio or DAB (only for Type A model) stations.

Listening to radio or DAB station

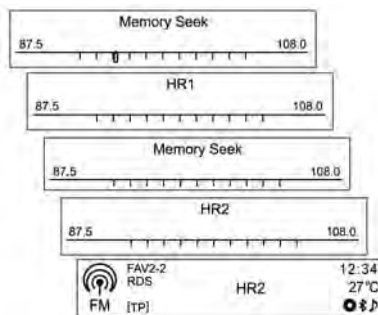
Selecting the radio or DAB mode



Repeatedly press the **RADIO BAND** button to select the FM/AM radio or DAB band.

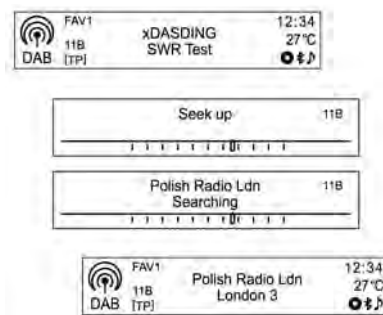
- The previously chosen broadcasting station will be received.

Searching for radio station automatically



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

Seeking for DAB service component automatically



Press the **◀SEEK▶** buttons to automatically seek for available DAB service component in current ensemble.
To skip to the previous/next ensemble, press the **◀SEEK▶** buttons.

Seeking for radio station



Hold down the **◀SEEK▶** buttons to quickly change the frequency, and then release the button at the desired frequency.

Seeking for DAB ensemble



Press and hold the **◀SEEK▶** buttons to automatically seek for available DAB service component with good reception.

Linking the DAB service

[DAB-DAB on/DAB-FM off]



[DAB-DAB off/DAB-FM on]

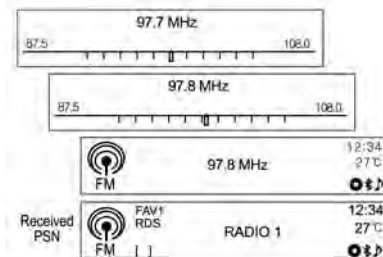


[DAB-DAB on/DAB-FM on]



- When you setup the Auto linking DAB-FM is activated, if the DAB service signal is weak, the infotainment system received the linked service component automatically. (refer to Settings → Radio settings → DAB settings → Auto linking DAB-FM)

Tuning a radio station manually



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

Tuning a DAB station manually



From the DAB mode, press the **MENU-TUNE** button to enter the DAB menu.

Turn the **MENU-TUNE** control knob to select the DAB manual tuning, and then press **MENU-TUNE** button.

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

Using the DAB stations list

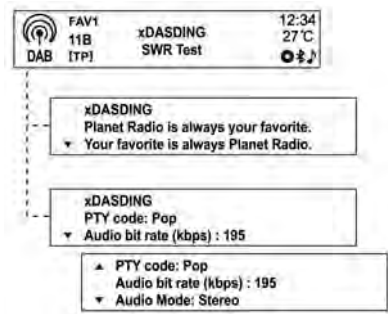


Turn the **MENU-TUNE** control knob to show the DAB stations list.

- The Station list information will be displayed.
- If the stations list is empty, DAB stations list updating is started automatically.

Turn the **MENU-TUNE** control knob to select the desired list, and then press the **MENU-TUNE** button to receive the relevant broadcasting channel.

Showing the DAB information

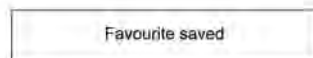


Repeatedly press **INFORMATION [INFO]** button to select the desired display mode for DAB station information.

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

Using the PRESET buttons

Registering PRESET button

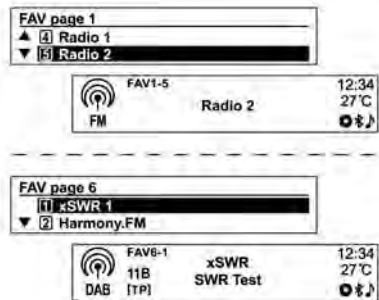


Press **FAVOURITE [FAV1-2-3]** button to select the desired page of saved favourites.
Hold down any of **PRESET [1 ~ 6]** buttons to register the current radio or DAB station to that button of the selected Favourites page.

- Up to Favourites pages can be saved, and each page can store up to six radio or DAB stations.

- It is possible to setup the number of the Favourites pages being used in "Settings → Radio settings → Radio favourites (Max. number of favourite 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 or DAB station that is saved..

Listening to PRESET button directly

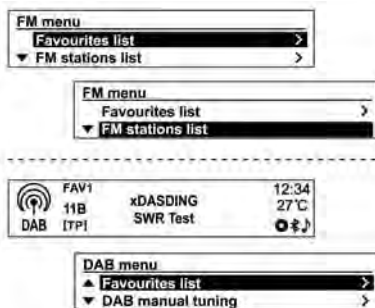


Repeatedly press the **FAVOURITE [FAV1-2-3]** button to select the desired FAV (Favourites) preset page.

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

Press a **PRESET [1 ~ 6]** buttons to directly listen to the radio/DAB station saved to that button.

Using the radio or DAB menu



Press the **MENU-TUNE** button to display the radio or DAB menu..

Turn the **MENU-TUNE** control knob 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/DAB menu → Favorites list

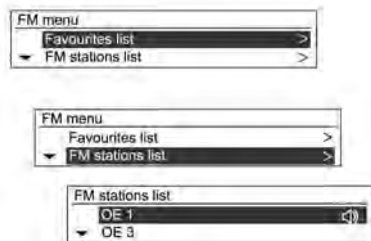


From FM/AM/DAB menu, turn the **MENU-TUNE** control knob to move to the Favourites list, and then press **MENU-TUNE** button.

- The Favourites list information will be displayed.

Turn the **MENU-TUNE** control knob to move to the desired Favourites list, and then press **MENU-TUNE** button to receive relevant broadcasting channel.

AM/FM menu → FM/AM station list

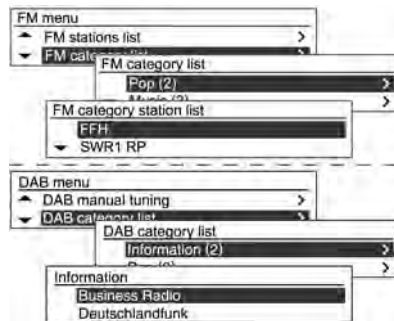


From the FM/AM menu, turn the **MENU-TUNE** control knob to move to the FM/AM stations list, and then press **MENU-TUNE** button.

- The Station list information will be displayed.

Turn the **MENU-TUNE** control knob to move to the desired list, and then press the **MENU-TUNE** button to receive the relevant broadcasting channel.

FM/DAB menu → FM/DAB category list



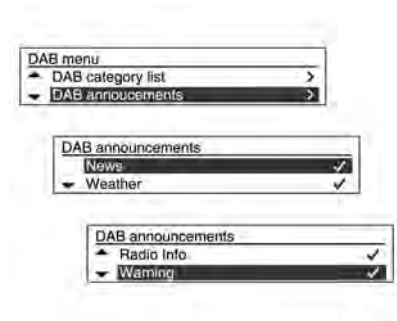
From the FM/DAB menu, turn the **MENU-TUNE** control knob to select the FM/DAB category list, and then

press the **MENU-TUNE** button.

- The FM/DAB category list will be displayed.

Turn the **MENU-TUNE** control knob to select the desired list, and then press the **MENU-TUNE** button to receive the relevant broadcasting frequency.

DAB menu → DAB announcements



From the DAB menu, turn the **MENU-TUNE** control knob and move to the DAB announcements, and then press **MENU-TUNE** button.

- The DAB announcement list will be displayed.

Turn the **MENU-TUNE** control knob to select the desired lists, and then press the **MENU-TUNE** button to receive the relevant broadcasting frequency.

AM/FM/DAB menu → Update AM/FM/DAB stations list

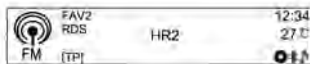


From the AM/FM/DAB menu, turn the **MENU-TUNE** Control knob and move to the Update AM/FM/DAB stations list, and then press **MENU-TUNE** button.

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

RDS (Radio Data System)

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

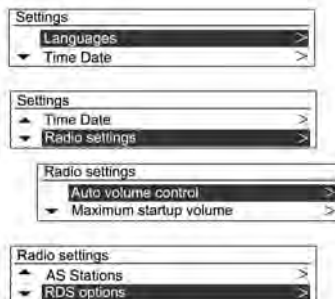


- RDS stations are indicated by the programme name instead of the broadcasting frequency.

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 system setup menu.

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

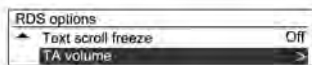
Turn the **MENU-TUNE** control knob to move to RDS options, and then press the **MENU-TUNE** button.

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. (Alternative Frequency)



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 option Regional (REG) to On or Off.

Only alternative frequencies (AF) with the same regional programmes are selected.

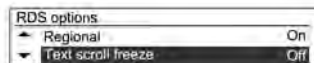
If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.



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

Switching the Text scroll freeze on and off

To switch the text scroll freeze function(for displaying the information of programme service) on or off.

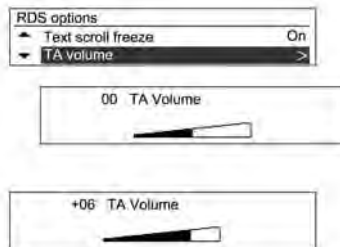


From the RDS settings menu, turn the **MENU-TUNE** control knob to move to Text scroll freeze: Off, and then press the **MENU-TUNE** button to turn on the Text scroll freeze function (On).

Volume of the traffic announcements (TA)

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 settings menu, turn the **MENU-TUNE** control knob to move to TA volume, and then press the **MENU-TUNE** button.

Turn the **MENU-TUNE** control knob to adjust the TA volume level, and then press the **MENU-TUNE** button.

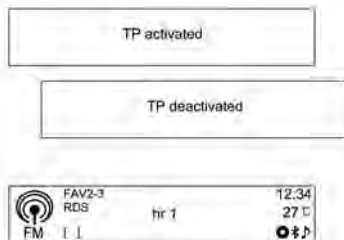
Radio traffic service

(TP = Traffic Programme)

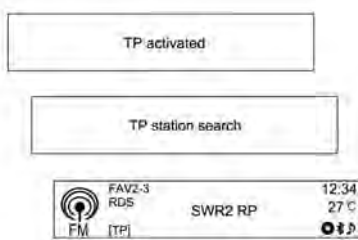
Radio traffic service stations are RDS stations that broadcast traffic news.

Switching the Traffic Announcement Standby Facility of the Infotainment System On and Off:

Outside of Phone mode, press the **TP** button to turn the Traffic programme service function on or off.



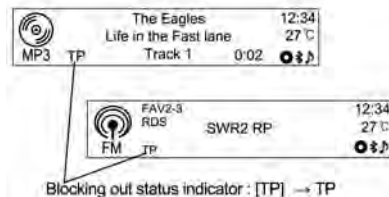
- If the radio traffic service is switched on, then [] is displayed in the radio main menu.
- If the current station is not a radio traffic service station, then a search is automatically started for the next radio traffic service station.
- Once a radio traffic service station has been found, [TP] is displayed in the radio main menu.



- If the radio traffic service is switched on, then CD/MP3/USB/iPod/Bluetooth music or AUX replay is interrupted for the duration of the traffic announcement.

Blocking out traffic announcements

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



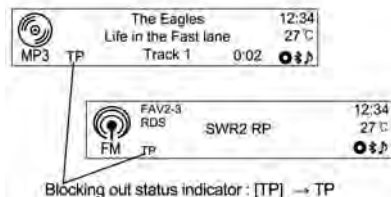
Outside of Phone mode, press the **TP** button.

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.

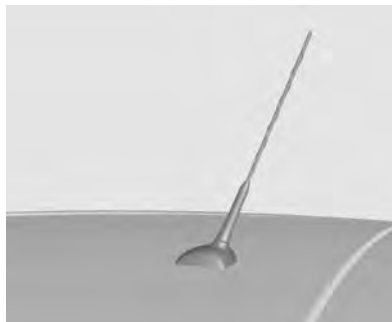
Blocking out current traffic announcements

To block out a current traffic announcement e.g. during TA radio reception:



Outside of Phone mode, press the **TP** button.

Fixed Mast Antenna



TDL149A

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

Caution

Be sure to remove the antenna before entering a place with a low ceiling or it may be damaged.

Entering the automatic car wash with the antenna installed may result in damage to the antenna or the roof panel. Be sure to remove your antenna before entering the automatic car wash.

Install the antenna fully tightened and adjusted to the upright position to ensure proper reception.

Audio Players

CD Player

The CD/MP3 player of this system can play audio CD and MP3 (WMA) discs.

Before using CD player

Important information about audio CD and MP3(WMA) discs

Caution
<p>In any case, do not insert any DVDs, mini discs with a diameter of 8cm, or discs with abnormal surfaces in this CD/MP3 (WMA) player.</p> <p>Do not put any stickers on the disc surface. Such discs may be stuck in the CD player and damage the drive device. If this occurs, then the device will need to be replaced at high cost.</p>

- An audio CD disc with an anti-piracy function with no compatibility with the audio CD standard may not work properly or at all.
- CD-R and CD-RW discs that are manually recorded are easier to be handled with carelessness than the original CD discs. 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 play properly or at all. In such cases, this is not a problem with the device.
- When changing discs, take care to not smear any fingerprints on the playing side.
- After removing the disc from the CD/MP3 player, make sure to immediately put the disc into a disc sleeve to prevent it from being damaged or smeared with dust.
- If the disc is smeared with dust or liquid, then this may cause problems by contaminating the lens of the CD/MP3 player inside the device.
- Protect the disc from heat and exposure to direct light.

Usable disc type

- This product can play Audio CD/MP3 (WMA) discs.
 - CD-DA: CD-R/CD-RW
 - MP3(WMA):
CD-R/CD-RW/CD-ROM
- MP3 (WMA) files below cannot be played.
 - File encoded in MP3i (MP3 interactive) or MP3 PRO standards
 - MP3 (WMA) file encoded in non-standards
 - MP3 files that are not in MPEG1 Layer3 format

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 over-burning, thus holding data exceeding the standard capacity
 - Discs with cracks or scratches or 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 trouble or 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 take out 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

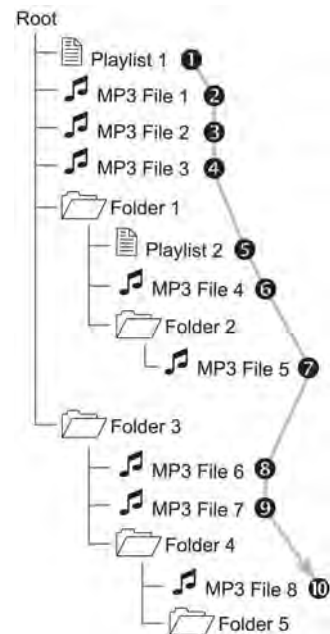
- When using CD-R/CD-RW discs, only the discs that has been "finalized" can be used.
 - Discs that are created with a PC may not play according to the application program setup and environment.
 - CD-R/CD-RW discs, especially bulk discs, may not work if they are directly exposed to direct light or high 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 not be played or will be cut off while playing
 - Some anti-piracy discs may not be played.
 - An MP3 (WMA) disc can have maximum of 512 files for each of the 10 folder levels, and a maximum number of 999 files can be played.
 - This system can only recognize MP3 (WMA) discs made in ISO-9660 level 1/2 or in the Joliet file system. (It does not support the UDF file system.)
 - MP3/WMA files are not compatible with packet writing data transmission.
 - The disc on which MP3/WMA files and audio data (CDDA) are written may not be played if it is a CD-Extra or Mixed-Mode CD.
- The file/folder names that can be used per disc storage type are as follows, including the four-digit 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 (1 byte)
 - Windows long file name: Maximum of 28 Characters (1 byte)

Caution for using MP3/WMA music files

- This product can play MP3 (WMA) files with .mp3, .wma (lower case letters) or .MP3 and .WMA (capital letters) file name extensions.
- MP3 files that can be played by this product 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)
- While this product can play files with a 8kbps ~ 320kbps bit rate, files with a bit rate above 128kbps will result in high quality sound.
- This product can display ID3 Tag (Version 1.0, 1.1, 2.2, 2.3 or 2.4) information for MP3 files, such as the album name and the artist.

- To display album (disc title), track (track title), and artist (track artist) information, the file should be compatible with the ID3 Tag V1 and V2 formats.
- This product can play MP3 files using VBR. When playing an MP3 file of this VBR type, the remaining time displayed may be different from the real time.

Order of playing music files



Playing CD/MP3

Main buttons/Control

(9) **CD/AUX** button

Select the CD/MP3 player.

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

- Turn the button/control knob to move to the track list, menu, or MP3 (WMA) 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.

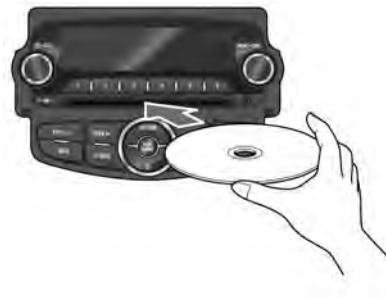
(4) **EJECT** button

Eject the disc.

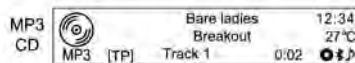
(7) **INFORMATION [INFO]** button

Display the information for the track being played.

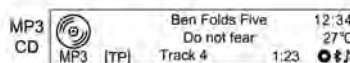
Inserting and playing the CD/MP3 disc



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/MP3 play.

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

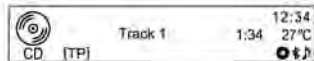
Eject disc



To eject disc, press the **EJECT** button to take out the disc.

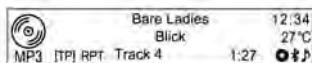
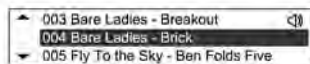
- When the disc comes out, it automatically switches to the previously used function or the FM radio.
- The disc will automatically be inserted back again if it is not taken out for some time.

Changing playing track



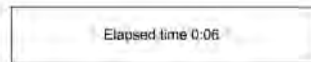
Press the **◀SEEK▶** buttons in play mode to play the previous or next track.

- Using the steering wheel remote control knob, tracks can be easily changed by turning the **Source** [ASRCV] control knob.



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

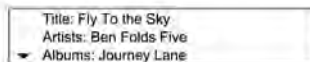
Changing playing position



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.

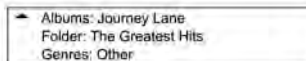
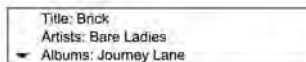
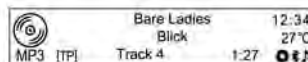
- The volume is slightly reduced during rewinding and fast-forwarding, and the playing time will be displayed.

View information on playing track



Press the **INFORMATION [INFO]** button in play mode to the 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."



For MP3 (WMA) tracks, more information can be viewed by turning the **MENU-TUNE** control knob from the track information display.

- The information displayed includes the file name, folder name, and ID3 Tag information saved with the song.

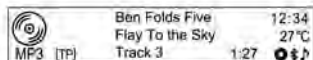
If incorrect ID3 Tag information (e.g. artist, song title) was added to MP3 (WMA) files before they are burnt to disc, this information will be displayed as is by the Infotainment system.

Incorrect ID3 Tag information cannot be modified or corrected on the Infotainment system (ID3 Tags can only be corrected on a PC).

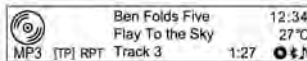
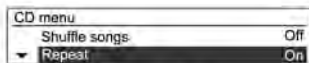
- The information for songs expressed in special symbols or in unavailable languages may be displayed as "----" or are not displayed at all.

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.

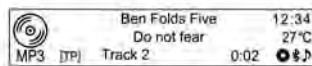
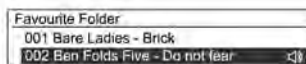
Turn the **MENU-TUNE** control knob to find the desired track list, and then press the **MENU-TUNE** button to play the selected track.

CD Menu → Searching Folders



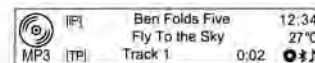
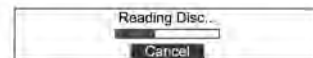
For MP3 (WMA) discs, turn the **MENU-TUNE** control knob from the CD menu to move to the desired folder, and then press **MENU-TUNE** button.

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.

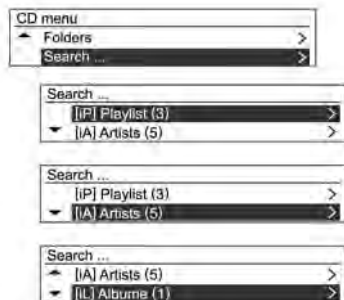
CD Menu → Search...



For MP3 [WMA] discs, turn the **MENU-TUNE** control knob from the CD menu, move to the desired item, and then press the **MENU-TUNE** button.

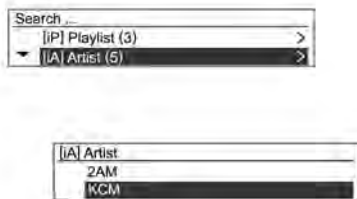
- After the system reads the disc information, the first song of the playlist [iP] will be displayed.
- If there are no music files in the playlist [iP], the first song for each artist [iA] will be displayed.

- However, it may take a long time to read the disc depending on the number of music files



Press the **MENU-TUNE** button again, and from the displayed search item, turn the **MENU-TUNE** control to select the desired play mode.

- The number of relevant songs will be displayed by Playlist [iP]/Artist [iA]/Album [iL]/Songs [iS]/Genre [iG].



Turn the **MENU-TUNE** control knob to move to the detailed classification item, and then press the **MENU-TUNE** button



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

Auxiliary Devices

USB player (only for Type A model)

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 of 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 separate 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 recognise 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 recognise.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognise 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 recognise 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 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 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 → Number → Korean →
- A maximum of 64 Korean/English characters can be recognise 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 (1 byte)
- Windows long file name: maximum of 28 characters (1 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.
- 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.

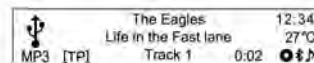
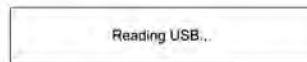
(16) **↶BACK** button

Cancel the input item or return to the previous menu.

Connecting the USB storage device



Connect 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 play 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 CD/MP3 playback.

Afterwards, the functions of the USB player are operated similarly to CD/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 → Remove USB function to safely remove the USB storage device.

Using the USB menu

The instructions for "Shuffle songs/Repeat/Folders/Search..." from the USB menu are similar to the CD/MP3 player's CD menu; only the "Remove USB" item has been added.

Refer to the CD/MP3 player functions from the CD menu.

USB Menu → Remove USB



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 is safe to remove the USB device.

Disconnect the USB device from the USB connection terminal.

- Return to the previously used function.

iPod player (only for Type A model)

Limited to models supporting the iPod connection

Main buttons/Control knob

The following main buttons and controls are used to play the iPod music files.

(9) **CD/AUX button**

Press this 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 track being played.

(16) **↶BACK button**

- Cancel the previous item or return to the previous menu.

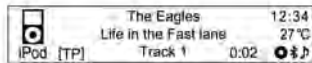
Connecting iPod player



Connect the iPod with music files to be played to the USB connecting terminal.

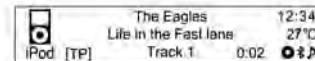
- The iPod product models that are connected/supported by this product are as follows.
 - iPod 2G Nano/iPod 3G Nano/iPod 4G & 5G Nano
 - iPod 120GB & 160GB Classic
 - iPod 1G, 2G, & 3G Touch
 - iPhone 3G & 3GS

- 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 **CD/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	Step4
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		

Afterwards, the functions to play the iPod are operated similarly to CD/MP3 playback.

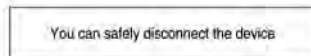
Log-off iPod playback

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 "Eject iPod" item has been added. Refer to each item of CD/MP3 for use.

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.

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**

When an exterior sound device connected, press the button repeatedly to select the exterior sound (AUX) input mode.

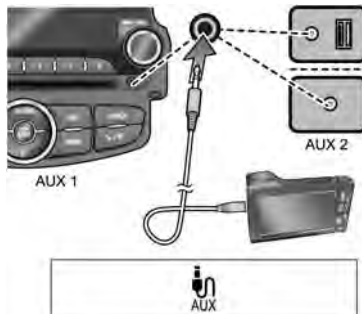
(2) **POWER/VOLUME** control knob

Turn the control knob to adjust the volume.

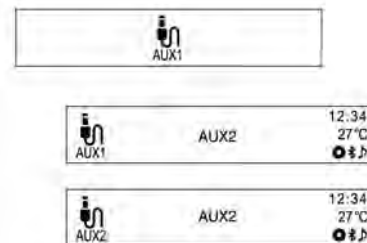
Connecting an exterior sound

Connect the audio output of the external audio equipment to AUX input terminal 1 or 2.

- AUX 1: Positioned in the Infotainment device
- AUX 2: Positioned inside the glove box.



- 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.

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

Personalisation

Personalisation

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 with control

- Turn 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 personalisation

- Setup menus and functions may differ according to car model.
- Reference: Table of formation for setup menu on the next page

[Example] System Setup → Setup Time and date → Set date: January 25th 2012

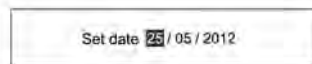
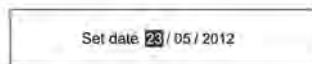


Press the **CONFIG** button for the system setup menu.
After referring to the table of

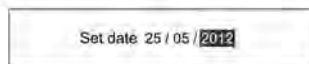
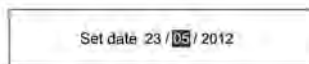
formation for setup menu on the next page, turn the **MENU-TUNE** control to move to the desired setup menu, and then press **MENU-TUNE** button.



- Indicates the 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.



Turn the **MENU-TUNE** control knob to attain the desired setup value or functioning state, and then press **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.

Table of information for settings [Languages]



Selection of the desired language.

[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.

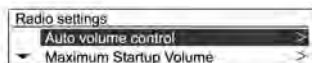
Set date format: Set the date is display format.

YYYY/MM/DD : 2012 Jan. 23

DD/MM/YYYY : 23 Jan. 2012

MM/DD/YYYY : Jan. 23, 2012

RDS clock synchronization: Select On or Off

[Radio Settings]

Auto volume control: Set Off/Low/Medium/High

Maximum startup volume: Manually set max limit for the start-up volume.

Radio favourites: Manually set your Favourites page numbers.

AS-Stations: Set the Auto Store stations function for each radio or DAB.

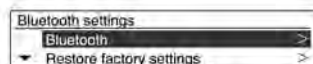
RDS options: Set the RDS options.

- **RDS:** On/Off (activate or deactivate the RDS function).
- **Regional:** On/Off (activate or deactivate the Regional function).
- **Text scroll freeze:** Select On or Off.
- **TA volume:** Set the TA volume.

DAB settings: Set the RDS options.

- **Auto ensemble linking:** On/Off (activate or deactivate the Auto ensemble linking function).
- **Auto linking DAB-FM:** On/Off (activate or deactivate the Auto linking DAB-FM function).
- **Dynamic audio adaption:** On/Off (activate or deactivate the Dynamic audio adaption function).
- **Band selection:** Set the Both, L-band or Band III.

[Bluetooth Settings]

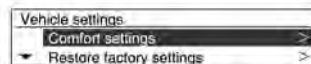
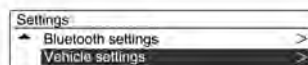


Bluetooth: Enter the Bluetooth menu.

- **Activation:** Select On or Off.
- **Device list:** Select the desired device and select/connect/separate or delete.
- **Pair device:** Try pairing a new Bluetooth device.
- **Change bluetooth code:** Manually change/set the Bluetooth code.

Restore factory settings: Restore the initial setup values back to the default settings.

[Vehicle settings]



Climate and air quality

- **Auto fan speed:** Modifies the fan speed high / medium / low.
- **Automatic air recirculation:** Modifies AQS (Air Quality Sensor) sensitivity low/high.
- **Auto demist:** on/off (activate or deactivate auto demist).

- **Auto rear demist:** on/off (activate or deactivate auto rear demist).

Comfort settings

- **Chime volume:** Change the volume of warning chimes.
- **Rear auto wipe in reverse:** Activate or deactivate automatically switching on of the rear window wiper when reverse gear is engaged.

Park assist/Collision detection

- **Park assist:** Activate or deactivate the ultrasonic sensors.

Exterior ambient lighting

- **Exterior lighting by unlocking:** Activate or deactivate the entry lighting.
- **Duration upon exit of vehicle:** Activate or deactivate and change the duration of exit lighting.

Power door locks

- **Auto door unlock:** Activate or deactivate the automatic door unlocking function after switching off ignition.

Remote locking, unlocking, starting

- **Remote door unlock(Passive Entry Unlock):** Change the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.
- **Remote door unlock(Passive Entry Lock):** Select Horn on passive door lock, On or Off.
- **Remote left in vehicle alarm:** Select On or Off.

Restore factory settings: Reset all settings to the default settings.

Phone (only for Type A model)**Bluetooth****Main buttons/Control knob**

The following main buttons and controls are used to play music files or use the call functions via a Bluetooth device.

(9) CD/AUX button

When a Bluetooth device with a music player function is connected, press this button repeatedly to select Bluetooth audio play mode.

(14) MENU-TUNE button with control

- Press the button from Bluetooth phone mode to display the menu screen.
- Turn the control knob to move to the menu or setup value.

(8) ◀SEEK▶ buttons

- Press these buttons in Bluetooth audio play mode to play the previous or next track.
- Hold down these buttons to rewind or fast forward, and release to play at normal speed.

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 setup menu to enable other devices to search for the Bluetooth device.



Press the **CONFIG** button, and use the **MENU-TUNE** button with control knob to move to Bluetooth settings → Bluetooth → Pair device, and then press the **MENU-TUNE** button.

- Bluetooth devices can be registered not only by using CONFIG button, but also by using Phone menu → Bluetooth settings → Bluetooth → Pair device.

- If there already is a Bluetooth device connected to the Infotainment system, the "Bluetooth is busy" message will appear.
- Connection standby will be displayed with a message and a security code. (The initial value is 0000, and can be changed from Settings → Bluetooth settings → Bluetooth → Changing Bluetooth code item.)

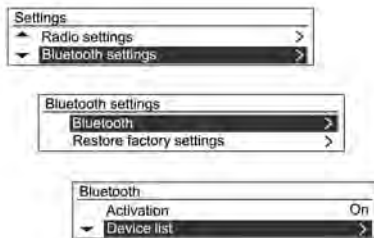
The Infotainment system can be found by searching the to-be-connected Bluetooth device.

Enter the security code for the Infotainment system through the Bluetooth device

If the registration of device to be connected to the Infotainment system is successful, then the screen will display the information of the Bluetooth device



Connecting/Deleting/Separating the Bluetooth Devices



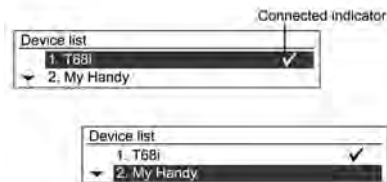
- The Infotainment system can register up to five Bluetooth devices.
- In some Bluetooth devices, it is only possible to use it when "Always connect" item is set.

Caution

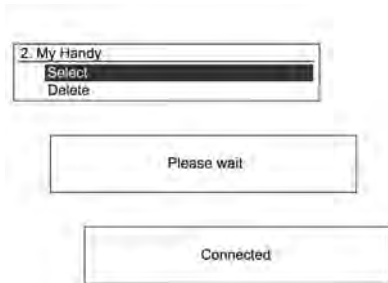
If there is a Bluetooth device already connected, that device needs to be disconnected first.

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

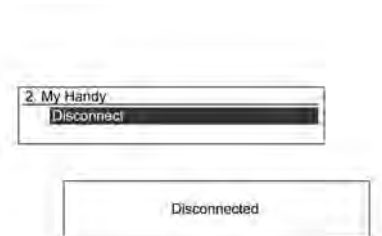
Press the **CONFIG** button, and use the **MENU-TUNE** button with control knob, to move to Settings → Bluetooth settings → Bluetooth → Device list and then press the **MENU-TUNE** button.



Use the **MENU-TUNE** button with control knob to move from the registered Bluetooth device to the device to be connected, and then press the **MENU-TUNE** button.



You can register by using the **MENU-TUNE** button with control knob, moving to select the item, moving to delete the item to delete, and then pressing the **MENU-TUNE** button.



- Disconnecting the currently connected Bluetooth device, from the device list screen, select the connected device, which will display Disconnect item, and then press the **MENU-TUNE** button.

Cautions for registering/connecting Bluetooth

- When it is not possible to connect to Bluetooth, delete the entire device list from the Bluetooth to be connected, and try again. If deleting the entire device list does not work, then reinstall the battery and reconnect.
- If there is a problem after the Bluetooth device is connected, use the **MENU-TUNE** button with control knob to carry out Settings → Bluetooth settings → Restore factory settings. Initialize the device with the problem caused by an error that occurred with the connection of the Bluetooth device and the Infotainment system.

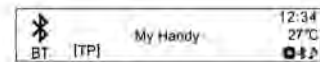
- Sometimes, Bluetooth can only be connected through hands-free or the Bluetooth audio play functions despite a stereo headset being connected. In this case, try and reconnect the Infotainment system using the Bluetooth device.
- For Bluetooth devices that do not support stereo headsets, the Bluetooth audio play function cannot be used.
- It is not possible to listen to the music through the Bluetooth audio if an iPhone is connected through a USB connector. This is because of the unique specifications of the mobile phone.

Bluetooth audio

How to play Bluetooth audio

- A mobile phone or Bluetooth device that supports A2DP (Advanced Audio Distribution Profile) versions over 1.2 must be registered and connected to the product.
- From the mobile phone or Bluetooth device, find the Bluetooth device type to set/connect the item as a stereo headset.
A musical note icon [🎵] will appear at the bottom right of the screen if the stereo headset is successfully connected.
- Do not connect the mobile phone to Bluetooth connection terminal. An error may occur if it is connected during the CD/MP3 and Bluetooth audio play mode.

Playing Bluetooth audio



Press the **CD/AUX** button repeatedly to select the connected Bluetooth audio play mode.

- If the Bluetooth device is not connected, then this function cannot be selected.

Activating the mobile phone or Bluetooth device will play the music files.

- The sound played by the Bluetooth device is delivered through the Infotainment system.
- For Bluetooth audio to play, the music must at least be played once from the music player mode of the mobile phone or Bluetooth device after connecting as a stereo headset. After being played at least once, the music player will automatically play upon entering play mode, and it will automatically stop when the music player mode ends. If the mobile phone or Bluetooth device is not in the waiting screen mode, some devices may not automatically play in Bluetooth audio play mode.

Press the **◀SEEK▶** buttons to switch to the previous or next track, or hold down these buttons to rewind or fast forward.

- This function only operates with Bluetooth devices that support AVRCP (Audio Video Remote Control Profile) version 1.0 or above. (Depending on the Bluetooth device options, some devices may display AVRCP being connected for the initial connection.)
- The information about playing track and track position will not be displayed on the Infotainment system screen.

Cautions for playing Bluetooth audio

- Do not change the track too quickly when playing Bluetooth audio.
- It takes some time to transmit data from the mobile phone to the Infotainment system.
- The Infotainment system transmits the order to play from the mobile phone in the Bluetooth audio play mode. If this is done in a different mode, then the device transmits the order to stop. Depending on the mobile phone's options, this order to play/stop may take some time to activate.
- If the mobile phone or Bluetooth device is not in the waiting screen mode, it may not automatically play despite being carried out from the Bluetooth audio play mode.

If Bluetooth audio playback is not functioning, then check to see if the mobile phone is in the waiting screen mode.

- Sometimes, sounds may be cut off during the Bluetooth audio playback.

The Infotainment system outputs the audio from the mobile phone or Bluetooth device as it is transmitted.

Bluetooth error messages and measures

- **Bluetooth deactivated**

Check if Bluetooth activation is setup as ON. The Bluetooth function can be used upon turning on Bluetooth activation.

- **Bluetooth is busy**

Check if there are any Bluetooth devices connected. To connect another device, disconnect any other connected devices first, and then reconnect.

- **Device list is full.**

Check if there are less than 5 registered devices. No more than 5 devices can be registered.

- **No phone book available**

This message will be displayed if the mobile phone does not support contacts transmission. If this message appears after several attempts, then the device does not support contacts transmission.

Caution

The message will be displayed when the transmission of contacts is supported while information with a device error is also transmitted. Update the device again if this occurs.

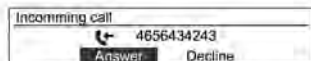
- **Phone book is empty**

This message is displayed if no phone numbers are stored in the mobile phone.

This will also be displayed if the phone log transmission is supported, but in a way that is not supported by the Infotainment system.

Hands-free phone

Taking calls

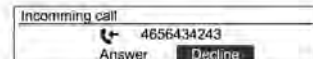


When a phone call comes through the connected Bluetooth mobile phone, the playing track will be cut off and the phone will ring with the relevant information displayed.

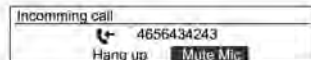
Caution

It is possible to transfer your ringtone depending on the mobile phones. Adjust the ringtone volume of the mobile phone if the volume is too low.

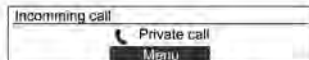
To talk on the phone, press Call button on the steering wheel remote control or turn the **MENU-TUNE** control knob to move to the Answer function, and then press the **MENU-TUNE** button.



- To reject the call, press the **Mute/Hang up** button on the steering wheel remote control or press the **MENU-TUNE** button with control the knob and select Decline.



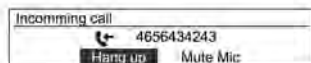
- While conversing, it is possible to block the transmitted sound by selecting the Mute Microphone item by using the **MENU-TUNE** button with control knob.



- While conversing, hold down the **Call** button from the steering wheel remote control to change to the private call mode (some phones may not support the private call mode depending on the phone's options).

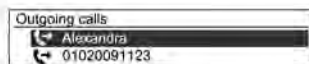
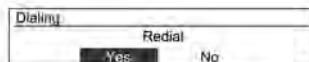
- When a call is received with the Infotainment System and Bluetooth is being connected, there are mobile phones that do not automatically change to the private call mode. This depends on the original specifications of each mobile phone.
- When it is possible to use services related to a third-party conversation supported by the communications service provider through an application, it is possible to make calls during a call through the Infotainment system.
- While third or more-party conversing, displaying contents may differ from practical information.

Ending a call

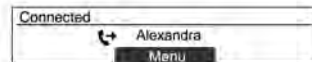
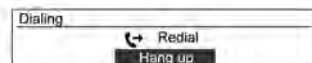


To end the a call, press Mute/Hang up button on the steering wheel remote control or turn the **MENU-TUNE** control knob to move to the Hang up, and then press the **MENU-TUNE** button.

Calling by Re-dial



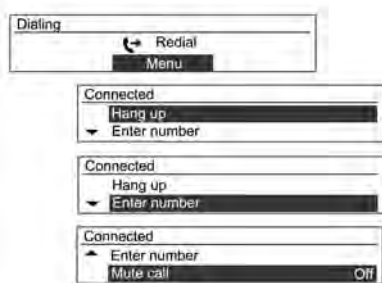
From the steering wheel remote controller, press the **Call** button to display the redial guidance screen, or hold down the button to display the caller log screen.



Turn the **MENU-TUNE** control knob to select Yes or contacts, and then press the **MENU-TUNE** button or **Call** button to make a call.

- If the mobile phone is not in waiting mode, your phone might not support the redial function. This depends on the mobile phone's options.
- When making redialing a number, the connected phone number will not be displayed.

- Depending on the mobile phone, there are cases in which the call is made through the call history of the received or missed calls instead of the redial mode. This depends on the mobile phone's options.

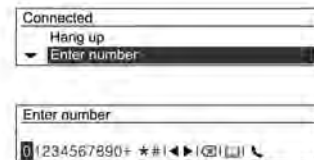


Press the **MENU-TUNE** button while the phone is connected to display the connecting functions as shown above.

Use **MENU-TUNE** button with control knob to use the functions in the menu that appears.

- While conversing on the phone, hold down the **Call** button on the steering wheel remote controller to switch to Private Mode.

Calling by Entering Numbers



To make a call by entering the phone number, press the **MENU-TUNE** button and turn the control knob to select Enter number, and then press the **MENU-TUNE** button.

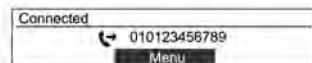
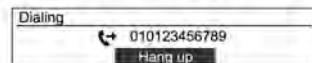


Turn the **MENU-TUNE** control knob to select the desired letters, and then press the **MENU-TUNE** button to enter the number.

- Repeat this item to enter all telephone numbers.
- Press the **BACK** button to delete a letter one by one, or hold down the button to delete all content that has been entered.

- Refer to the following contents to edit the input contents.

- 1 Move: Move input position
- 2 Delete: Delete input character
- 3 Phone book: Search contacts (usable after updating the phone numbers)
- 4 Dial: Begin dial



After the telephone number has been fully entered, turn the **MENU-TUNE** control knob to select begin dial[**CALL**], and then press the **MENU-TUNE** button to make a call.

To end a call, turn the **MENU-TUNE** control knob to choose the end call function, and then press the **MENU-TUNE** Button.

Using the Phone Menu

Phone Menu → Phone book → Search

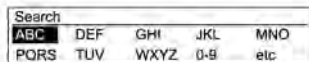


Press the **MENU-TUNE** button, turn the **MENU-TUNE** control knob to select Phone book, and then press the **MENU-TUNE** button.

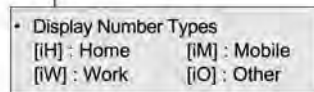
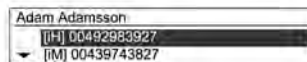
- A notification will appear on screen, with no contacts to use, and you will be returned to the previous menu.

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

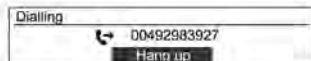
Turn the **MENU-TUNE** control knob to select First or Last Name, and then press **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob to select search terms/range, and then press the **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob from the search results screen to select the desired item, and then press the **MENU-TUNE** button to view the details for that item.



To call the relevant number, press the **MENU-TUNE** button.

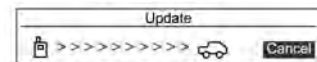
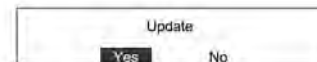
- For more directions, refer to the making phone calls item.

Phone Menu → Phone book → Update



Update the contacts of the connected mobile phone to the system's contacts.

Using the **MENU-TUNE** button with control knob, select Phone Menu → Phone book → Update, and then press the **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob to select Yes or No, and then press the **MENU-TUNE** button to activate or cancel update.

Notice for updating contacts

- This function can be used with mobile phones that support contacts update and the call history transmission function. (If the product is connected to a mobile phone that does not support these functions, the call history can be displayed through the Infotainment system.)
- Update is not supported for more than 1,000 contact numbers.
- Be aware that hands-free and Bluetooth audio playback will be cut-off while proceeding with updates for contacts (Other functions except for hands-free and Bluetooth audio playback can be used.)

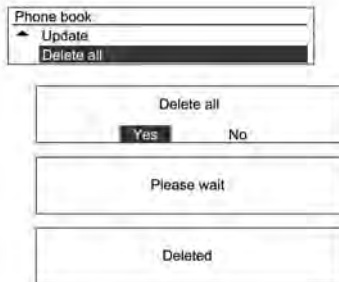
- To update your contacts, it is possible to request for the transmission certification for contacts. If the waiting screen does not change for a long time, you can check whether the mobile is requesting for certification. When requesting for certification of the mobile phone, all Bluetooth connections will be cut off if it is not accepted, and then the device will be reconnected.
- When receiving the call history, it is possible to request for the transmission certification for the call history from the mobile phone. If the waiting screen does not change for a long time, check whether the mobile is requesting for certification.

When requesting for the certification of the mobile phone, all Bluetooth connections will be cut off if it is not accepted, and then the device will be reconnected.

- If there is a problem in the stored information of the mobile phone, the contacts may not be updated.
- The Infotainment system only uses information coded in UTF-8 format.
- If other operations (game, map search, navigation, etc.) are activated during the contacts update or call history transmission progress, the update/ transmission process may not work.
This is because other operations running on the mobile phone are affecting the data transmission.

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• When the contacts update or call history transmission is completed, all hands-free and Bluetooth audio play modes will be automatically disconnected and then reconnected.• If the Infotainment system gets turned off while conversing on the phone, the call will be transmitted to the mobile phone. Some phones may need to setup a call transmission function beforehand, depending on the type of the phone.• If the user disconnects the connection directly (using the Infotainment or mobile phone), the auto connection function does not take place.
Auto-connection: This function automatically finds and connects the device that was last connected. | <ul style="list-style-type: none">• The contacts may not always display all the lists on the phone when selected. The Infotainment system only displays what has been transmitted from the mobile phone.• The contacts update can only receive four numbers per contacts directory (Mobile Phone, Office, Home, and Other).• Changing the language setup during the contacts update will delete all previous updates.• If the mobile phone is not set with a waiting screen, calls may not be made to this Infotainment system• If the OS of the mobile phone gets updated, it may change how the phone's Bluetooth function works.• Special characters and unsupported languages will be displayed as " ____ ". | <ul style="list-style-type: none">• Calls registered in the contacts without any name will be indicated as "No number in contact."• The Infotainment system will display contacts, call history, and redial information as it is transmitted from the mobile phone. |
|---|---|--|

Phone Menu → Phone book → Delete all

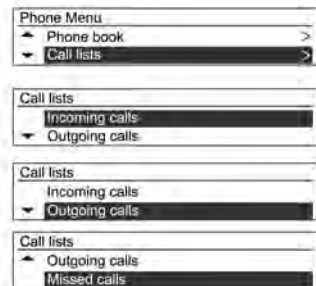


Every single phone number that has been stored in the system contacts will be deleted.

Use the **MENU-TUNE** button with control knob to select Phone Menu → Phone book → Delete All, and then press the **MENU-TUNE** button.

Turn the **MENU-TUNE** control knob to select Yes or No, and then press the **MENU-TUNE** button to delete all contacts or to cancel.

Phone Menu → Call lists



Check, use, or delete contacts.

Use the **MENU-TUNE** button with control knob to select Phone Menu → Call lists, and then press the **MENU-TUNE** button.

Use the **MENU-TUNE** button with control knob to select the detailed call history, and then press the **MENU-TUNE** button.

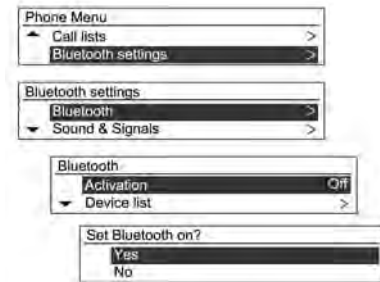


Turn the **MENU-TUNE** control knob to check the call history and to make a call.

Press the **MENU-TUNE** button to call the selected number from the call history.

- If the "Please wait" screen continues to be displayed for too long after selecting the call log, check if the mobile phone is requesting verification of the transfer of call numbers. After completing the mobile phone verification procedures, the contacts and the call log will be transmitted to the Infotainment System.
- The call log from the mobile phone and the log displayed on Infotainment may be different. This Infotainment System shows the information transmitted from the mobile phone as it is.

Phone Menu → Bluetooth Settings

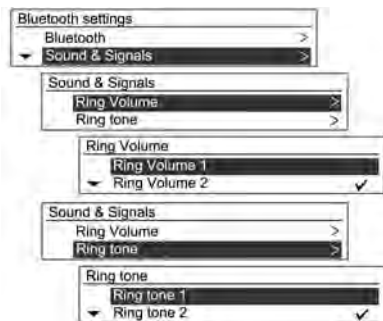


Setup Bluetooth function.

Using the **MENU-TUNE** button with control knob, select the Phone Menu → Bluetooth Settings, and then press the **MENU-TUNE** button.

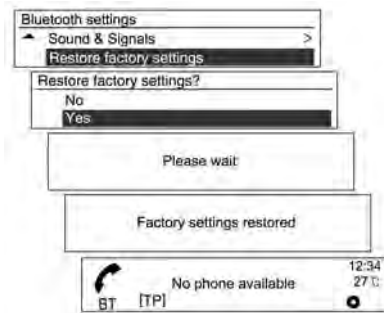
To activate the Bluetooth function, register/connect/delete the Bluetooth device or change the Bluetooth code, choose Bluetooth by using the **MENU-TUNE** button with control knob, and then use the **MENU-TUNE**

button with control knob to set up the desired item.



To set up the ring tone and its volume used by the Bluetooth function, use the **MENU-TUNE** button with control knob to select Sound & Signal, and then set up the desired items with the button/control knob.

- It is possible that the ringtones you already have are transferred to the Infotainment system depending on the mobile phone. For such mobile phones, it is not possible to use the selected ringtone.
- For mobile phones that transfer your ringtones, the volume of the ringtone will be based on the volume transmitted from the mobile phone. Adjust the ringtone volume of the mobile phone if the volume is too low.



To reinitialise the Bluetooth settings to their default values, use the **MENU-TUNE** button with control knob to select the Return factory settings item, and then select Yes with the **MENU-TUNE** button.

Climate controls

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Air vents	192
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Climate control systems


Heating and ventilation system



GC3E8002A

Controls for:

- Temperature
- Fan speed
- Air distribution
- Heating
- Defrosting windshield

- Air recirculation 
- Heated rear window and outside mirror

Temperature

Adjust the temperature by turning the knob.

red: warm

blue: cold


Heating will not be fully effective until the engine has reached its operating temperature.


Fan speed


Adjust the air flow by switching the fan to the desired speed.


Air distribution


Select air outlet by turning the knob.

: Air flow is directed to the upper body. Each vent can be adjusted.

: Air flow is directed to the upper body and floor.

: Most of the air flow is directed to the floor, with a small amount of the air directed to the windshield and side vents.

: Most of the air flow is directed to the floor and the windshield with a small amount directed to the side vents.

: Most of the air flow is directed to the windshield with a small amount of air directed to the side vents.

Heating

Normal heating

1. Turn temperature control knob to red area for heating.
2. Turn air distribution knob.
3. Turn fan control knob to desired speed.


Maximum heating

Use the maximum heating mode for quick heating.

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.



GC3E8003A

To clear the windows, turn the air distribution knob to DEFROST .


For maximum heating:

1. Push recirculation button for the recirculation mode.
2. Turn temperature control knob all the way to the red area for heating.
3. Turn fan control knob to maximum speed.

Defrosting windshield





GC3E8004A

1. Turn the air distribution knob to DEFROST .
2. Turn temperature control knob to red area for warm air.
3. Adjust the fan control knob to highest speed for quick defrosting.
4. Open side air vents as required and direct them towards the door windows.

Caution

The difference between the outside air and the temperature of the windshield can cause the windows to fog, thereby restricting your front vision.


Do not use FLOOR/DEFROST  or DEFROST  in extremely humid weather when the temperature control knob is set to the blue area.

This can lead to an accident which can damage your vehicle and cause personal injuries.

Air recirculation system



GC3E8005A


The air recirculation mode is operated with the  button.

Warning

Driving with recirculation mode for prolonged period of time can make you sleepy.

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, which may cause the vehicle occupants to feel drowsy.

Heated rear window and outside mirror

The heated rear window and outside mirror is operated with the  button.

See *Heated rear window* on page 31.

See *Heated mirrors* on page 27.

Air conditioning system

⚠ 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 the oxygen level and/or body temperature.



GC3E8006A

Controls for:

- Temperature
- Fan speed

- Air distribution
- Demisting and Defrosting
- Air recirculation 
- Cooling 

Temperature

Adjust the temperature by turning the knob.

red: warm


blue: cold


Fan speed


Adjust the air flow by switching the fan to the desired speed.


Air distribution


Select air outlet by turning the knob.

: Air flow is directed to the upper body. Each vent can be adjusted.

: Air flow is directed to the upper body and floor.

: Most of the air flow is directed to the floor, with a small amount of the air directed to the windshield and side vents.



: Most of the air flow is directed to the floor and the windshield with a small amount directed to the side vents.

: Most of the air flow is directed to the windshield with a small amount of air directed to the side vents.

Demisting windshield



GC3E8007A


1. Turn the air distribution knob to DEFROST .
2. The recirculation button will be to air fresh mode and air conditioning system on automatically.
If air conditioning system on is not needed, turn the air distribution knob to FLOOR/DEFROST .
3. Select desired temperature.

4. Adjust the fan control knob to desired speed.

Air recirculation system



GC3N8003A

The air recirculation mode is operated with the  button.

Warning

Driving with recirculation mode for 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, which may cause the vehicle occupants to feel drowsy.

Cooling ☼

Operated with the ☼ button and is functional only when the engine and fan are running.

The air conditioning system cools and dehumidifies (dries) when outside temperature is a little above the 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 is in the off position.

Even though the air conditioning is turned on, the vehicle will produce warm air if the temperature knob is set in the red area.

To turn off the air conditioning system, turn the fan knob to 0.

Caution

Use only correct refrigerant.

⚠ Warning

Climate control systems are serviced by qualified personnel only. Improper service methods may cause personal injury.

Normal cooling

1. Operate the air conditioning system.
2. Turn temperature control knob to blue area for cooling.
3. Turn the air distribution knob.
4. Adjust the fan control knob to the desired speed.

Maximum cooling



GC3E8008A

To achieve maximum cooling during hot weather and when your vehicle has been exposed to the sun for a long time:

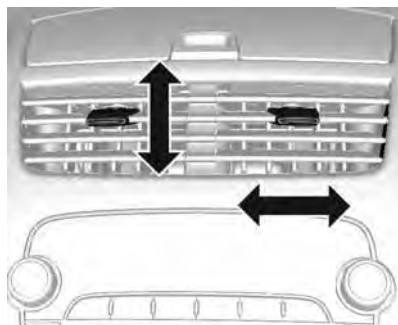
1. Operate the air conditioning system.
2. Push recirculation button for the recirculation mode.
3. Turn temperature control knob all the way to the blue for cooling.

4. Turn fan control knob to highest speed.

Air vents

Adjustable air vents

At least one air vent must be open while cooling is on in order to prevent the evaporator from icing up due to lack of air movement.



GC3E8001A

The central vent is not closed completely.

Direct the flow of air by tilting and swiveling the slats.



TDL123A

Turn the knob counterclockwise to open the side vents, and rotate it to the direction you want.

If you do not want the flow, turn the knob clockwise.

⚠ Warning

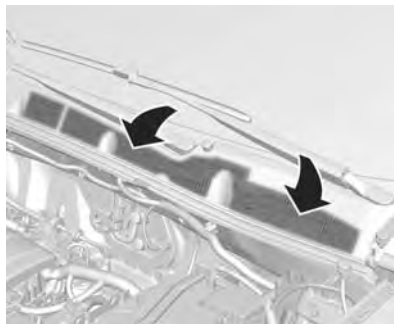
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

Fixed air vents

Additional air vents are located beneath the windshield and front door windows and in floor.

Maintenance

Air intake



GO3E8015A

The air intake in front of the windshield in the engine compartment must be kept clear to allow air intake.

Remove any leaves, dirt or snow.

Passenger compartment air filter

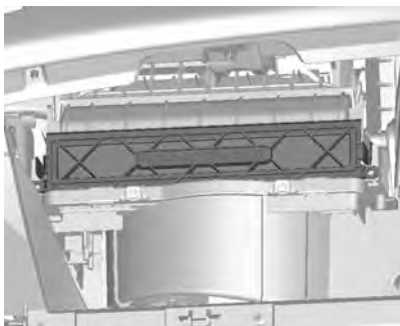
The filter cleans dust, soot, pollen, spore from the air entering the vehicle through the air intake.



GO3E8016A

Filter replacement:

1. Remove the glove box.
To remove the glove box, open and pull it.



TDL133A

2. Remove the filter cover by unclipping out both sides of the cover.
3. Replace the air conditioner filter.
4. Assemble the filter cover and glove box in reverse order.

Note

We recommend that you consult your authorised repairer to replace the filter.

Caution

More frequent maintenance of the air filter is required if the driving circumstances are dusty roads, air pollution areas, and frequent unpaved roads.

The bronchus may be affected and the efficiency of the filter decreased.

Air conditioning regular operation

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when outside temperature is low.

Service

For optimal cooling performance, it is recommended to annually check the climate control system.

- Functionality and pressure test
- Heating functionality
- Leakage check
- Check of drive belts
- Cleaning of condenser and
- Evaporator drainage
- Performance check

Caution

Use only correct refrigerant.

⚠Warning

Climate control systems are serviced by qualified personnel only. Improper service methods may cause personal injury.

Memo

Driving and operating

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Driving information

Control of a vehicle

Never coast with engine not 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.

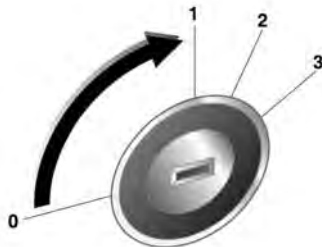
Starting and operating

New vehicle break-in

Use the following precautions for the first few hundred kilometres(miles) to improve the performance and economy of your vehicle and add to its long life:

- Avoid full-throttle starts.
- Do not race the engine.
- Avoid hard stops except in emergencies. This will allow your brakes to bed in properly.
- Avoid quick starts, sudden accelerations, and prolonged highspeed driving in order to avoid damage to the engine and to conserve fuel.
Avoid full-throttle acceleration in low gear.
- Do not tow any other vehicle.

Ignition positions



MD097

0(LOCK): Ignition off

1(ACC): Ignition off, steering wheel lock released

2(ON): Ignition on, preheating for diesel engine

3(START): Starting

⚠ Danger

Do not turn the key to 0 or 1 position while driving.

Vehicle and brake assistance would not operate, causing vehicle damage, personal injury or possibly death.

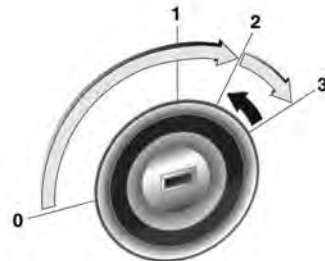
Caution

Do not leave the key in 1 or 2 position for extended periods while the engine is not running.

This will discharge the battery.

Starting the engine

Starting engine with the ignition switch



MD098

- Turn the key to position 1, move the steering wheel slightly to release the steering wheel lock.
- Manual transmission: Operate clutch.
- Automatic transmission : Move selector lever to P or N.
- Do not accelerate.

- Diesel engine: turn the key to position 2 for preheating until the preheat symbol goes out.
- Turn the key to position 3, depressing the clutch pedal and footbrake then release when engine is running.

Before restarting or to switch off the engine, turn key back to 0.

Caution

Do not operate starter motor for more than 10 seconds at a time.
If the engine does not start, wait 10 seconds before trying again.
This will prevent starter motor damage.

Automatic engine start/stop feature

Stop-start system

The stop-start system helps to save fuel and to reduce the exhaust emission. The engine turns off automatically when the vehicle is at low speed or standstill.

The engine will restart automatically as soon as the clutch is depressed.

Activation

The stop-start system is activated as soon as ignition is ON.

Deactivation



GC3E9001A

Deactivate the stop-start system manually by pressing the eco button.

The deactivation is indicated by the LED in the button going off.

Automatic engine stop

If the vehicle is at low speed or in standstill, activate the automatic engine stop as follows:

- Shift the selector lever to N
- Release the clutch pedal

The engine will be turned off while the ignition ON.



GC3E9002A

The engine stop is indicated by the needle on the AUTOSTOP position in the tachometer.

During an automatic engine stop, the heating performance, power steering and brake performance will maintain.

Air conditioning system may or may not inhibit the stop and start system according to the cooling performance.


Conditions for an automatic engine stop

- The stop-start system is not manually deactivated
- The hood is fully closed
- The driver's door is closed or the driver's safety belt is fastened
- The battery is sufficiently charged and in good condition
- The engine is warmed up
- The engine coolant temperature is not too low
- The ambient temperature is not too low
- The defrosting function is not activated
- The climate control system does not inhibit an engine stop
- The brake vacuum is sufficient
- The vehicle has moved since the last automatic engine stop

Restart of the engine by the driver

Depress the clutch pedal to restart the engine.

The engine start is indicated by the needle on the idle speed position in the tachometer.

If the selector lever is shifted out of N before depressing the clutch first,  illuminates.

The indicator is goes out as soon as the clutch pedal is depressed.

Restart of the engine by the stop-start system

If one of the following conditions occurs during engine stop, the engine will be restarted automatically by the stop-start system.

- The stop-start system is manually deactivated
- The hood is opened
- The driver's safety belt is unfastened and the driver's door is opened
- The engine temperature is too low
- The battery is low
- The brake vacuum is not sufficient
- The vehicle starts to move
- The defrosting function is activated
- The climate control system requests an engine start

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the footbrake 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, engage first gear or "P" position 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, engage reverse gear before switching off the ignition. Turn the front wheels towards the kerb.

- Close windows.
- Lock the vehicle and activate the anti-theft alarm system.

Engine exhaust

Engine exhaust

⚠ 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 repairer.

Avoid driving with an open tailgate, otherwise exhaust gases could enter the vehicle.


Diesel particle filter


The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving. The filter is cleaned by burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take up to 25 minutes. Fuel consumption may be higher during this period. The emission of smells and smoke during this process is normal.



GC3E9003A

Under certain driving conditions, e.g. short distances, the system cannot clean itself automatically.

If the filter requires cleaning control indicator  flashes. And the vehicle message 'Particulate Filter Is Full' or code '55' will appear in the Driver Information Center (DIC) too. Continue driving, keeping engine speed above 2000 rpm. Diesel particle filter cleaning is then started.

The control indicator  and vehicle message or code extinguishes as soon as the self-cleaning operation is complete.

Caution

If the cleaning process is interrupted more than once, there is a risk of provoking severe engine damage.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Use of fuel with low quality or too low octane number may damage the engine, the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a repairer as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

Caution

Don't touch the catalytic converter during engine operation. The catalytic converter remains hot for a long period after engine operation.

Automatic Transmission

Automatic Transmission

The automatic transmission permits manual gear shifting (manual mode) or automatic gear shifting (automatic mode).

The automatic transmission is an electronically controlled six-speed transmission.

Sixth gear is overdrive.

Starting the vehicle

1. After warming up the engine, continue to press the brake pedal while shifting the selector lever to either the R, D or M position.

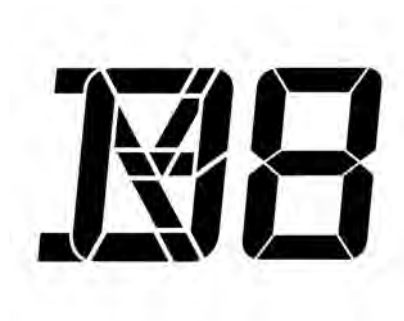
Caution

Do not shift between D (Drive) and R (Reverse) or P (Park) while the vehicle is moving.

This will cause damage to your transmission and personal injury.

2. Release the parking brake and the brake pedal.
3. Slowly press the accelerator pedal to set the vehicle in motion.

Transmission Display



TGL023A

It is located in the instrument cluster.
It indicates the selected gear or transmission mode.

Selector lever



GC3N9002A

P (PARK): Locks the front wheels. Select P only when the vehicle is stationary and the parking brake is applied.

R (REVERSE): Reverse transmission position. Select R only when the vehicle is stationary.

N (NEUTRAL): Neutral gear position.

D: This drive position is for all normal driving conditions. Allows the transmission to shift into all 6 forward gears.

M: Manual mode position.

Caution

Do not accelerate while engaging a gear.

Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Do not use the P (Park) position in place of the parking brake.

Turn off the engine, apply the parking brake, and remove the ignition key when leaving the vehicle.

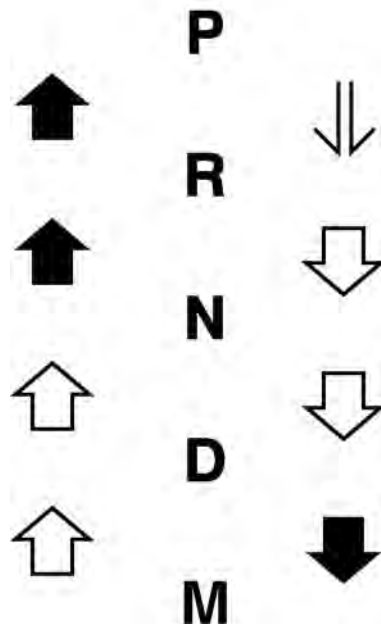
Never leave the vehicle unattended while the engine is running.

Shifting between gear positions

GC3N9003A

Movement between certain gear positions requires pressing the release button on the selector lever.

Follow the descriptions as indicated by the arrows when shifting the selector lever.



TDL148A



MD174

Push the release button to shift.
Arrows indicate shifts that do not
require you to push the release
button.



MD172

Depress the brake pedal and push
release button to shift.

Shifts that require you to push the
release button are indicated by
arrows.



MD173

Shift freely.

Manual mode



GC3N9004A

Move selector lever position M.

Press the shift gear button in the side
of the selector lever.

UP (+): to shift up gear.

DOWN (-): to shift down 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, downward shifts are made automatically when the vehicle slows down. When the vehicle stops, 1st gear is automatically selected.

Caution
Shift properly according to road conditions.

Engine braking

To help use the braking effect of engine compression when driving on a long downhill select manual mode downshift to a lower gear in a sequential order.

⚠Warning
Do not downshift transmission by two or more gear positions at a time. This prevents damage to your transmission or loss of control and personal injuries.

Note

Use of engine compression during long mountainous descents may prolong the life of your brakes.

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 repeat pattern.

Do not race the engine and avoid sudden acceleration.

Parking

After stop the vehicle with pressing the brake pedal, engage P and pull the parking brake lever up firmly and then remove ignition key.

Kickdown



MD102

For faster acceleration press the accelerator pedal all the way down and hold. The transmission shifts to a lower gear depending on the engine speed.

Fault

In the event of a fault, the malfunction indicator light illuminates. The transmission no longer shifts automatically nor manually because it is locked in a certain gear.

Have the cause of the fault remedied by a repairer.

Interruption of power supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the P position.

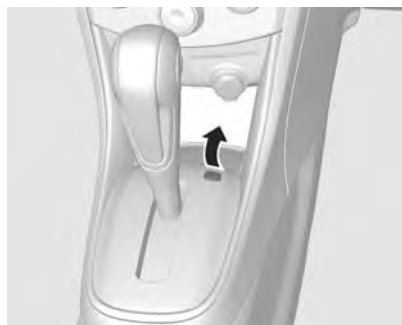
If the battery is discharged, start the vehicle using jump leads.

If the battery is not the cause of the fault, release selector lever and remove ignition key from ignition lock.

Release selector lever

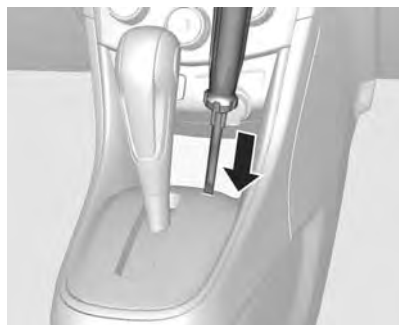
Before shifting from park (P), the ignition must be ON and you must depress the brake pedal all the way down. If you cannot shift out of P with the ignition ON and the brake pedal depressed:

1. Turn the ignition off and remove the key.
2. Depress and hold the brake pedal and pull the parking brake lever up.



GC3N9005A

3. Remove the cap on the console with a thin object such as a flat-head screwdriver.



GC3N9006A

4. Insert and press the ignition key into the slot.
5. Shift to neutral (N).
6. Remove the key from the slot.
7. Reinstall the cap.
8. Have your vehicle repaired as soon as possible.

⚠ Warning

To help prevent damage to the transmission, observe the following precautions:

Do not press the accelerator pedal while shifting from P or N to R or a forward gear.

To do so may not only damage the transmission, but could cause you to lose control of the vehicle.

Use D as much as possible.

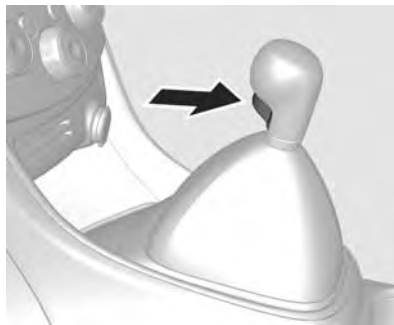
Never shift to P or R while the vehicle is in motion.

When stopping the vehicle on an uphill grade, do not hold the vehicle in place by pressing the accelerator pedal. Use the foot brake.

Press the brake pedal when shifting from P or N to R or a forward gear.

⚠Warning

Otherwise transmission could be damaged or vehicle could move unexpectedly, causing driver to lose control of the vehicle, resulting in personal injury or damage to the vehicle or other property.

Manual transmission**Manual transmission**

GC3N9007A

To engage reverse, with the vehicle stationary pull up the button on the selector lever and engage the gear.

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not grind the clutch unnecessarily. When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

Caution

It is inadvisable to drive with hand resting on the selector lever.

Drive Systems

All-Wheel Drive

If your vehicle has active on demand all-wheel drive (AWD), the AWD system operates automatically without any action required by the driver. If the front drive wheels begin to slip, the rear wheels will automatically begin to drive the vehicle as required. There may be a slight engagement noise during hard use but this is normal.

Note

When TCS/ESC is activated on icy or slippery road, the AWD may deactivate. The message code 256 comes on when the AWD system is temperately disabled.

If the vehicle message code 73 (Service All Wheel Drive System) appear in the Driver Information Center (DIC), there is a malfunction in the AWD system.

Consult a repairer to repair the problem as soon as possible.

Brakes

Brakes

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, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a repairer before continuing your journey.

Caution

If one of the circuits fail, the brake pedal must be pressed with greater pressure and the braking distance may be increased. Have the brake system checked and repaired by a repairer immediately. We recommend that you consult your authorised repairer.

If the brake pedal can be pressed further than normal, the brakes may be in need of repair.

Consult a repairer immediately. We recommend that you consult your authorised repairer.

Caution

Do not drive with your foot resting on the brake pedal. Do so 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.

⚠Warning

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.

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 depressed 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.

To stop the vehicle in an emergency, keep depressing the footbrake even if the brake pedal vibrates.

Do not decrease the pressure applied to the footbrake.

When you start the vehicle after ignition is switched on, mechanical sounds can be heard. This is normal ABS function.

See *Antilock brake system (ABS) warning light on page 88*.

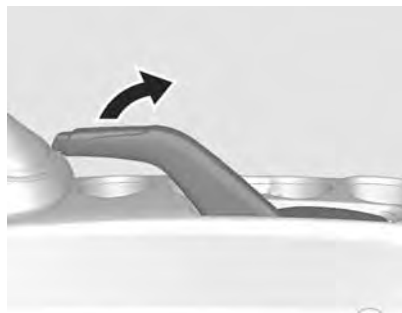
Fault

⚠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.

Have the cause of the fault remedied by a repairer.

Parking brake



GC3N9008A

Always apply 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, depress the foot brake at the same time.

See *Brake system warning light* on page 88.

Brake assist

If the brake pedal is depressed 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.

Hill Start Assist (HSA)

The system helps prevent rollback when driving away on a hill. When depress the accelerator pedal after release the brake pedal on hill, the brakes remain on for approximately 2 seconds.

Ride control systems

Traction Control system (TCS)

Traction control system (TCS) improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels start to spin, engine output is reduced and the wheel spinning the most is brake individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TCS is activated as soon as ignition is ON.


⚠ Warning



Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Deactivation

GC3N9009A

TCS can be deactivated when spinning of drive wheels is required. Press button .

Control indicator  illuminates. TCS is reactivated by pressing the  button again.

TCS is also reactivated the next time the ignition is switched ON.

See *Traction control (TC) off light on page 89*.

Electronic stability control (ESC)


The electronic stability control (ESC) system helps to stabilise the vehicle during cornering maneuvers.

ESC applies the brakes on individual wheels and intervenes with the engine control system to stabilise the vehicle.

The ESC system can be affected by adverse conditions such as road conditions or tyre grip.

It is not a substitute for safe driving practices, keep driving safety.

ESC is activated as soon as ignition is ON.

When ESC is active  illuminates.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.




Adapt speed to the road conditions.


See *Electronic stability control (ESC) indicator light* on page 89.

Deactivation

GC3N9009A

For very high-performance driving ESC can be deactivated.

Pressing the  button for several seconds until control indicator  and  illuminates.

ESC is reactivated by pressing the  button again.

ESC is also reactivated the next time the ignition is switched on.

⚠Warning


When the ESC system is actively improving the stability of the vehicle, reduce speed and pay extra attention to the road condition. The ESC system is only a supplementary device for the vehicle. When the vehicle exceeds its physical limits, it can no longer be controlled. Therefore do not rely on this system. Keep driving safely.

Hill descent control (HDC) system

When travelling down steep gradients, this function allows you to travel at a low speed without any depression of the brake pedal and makes you concentrate on steering. This convenient function is only for driving down steep gradients.



GC3N9012A

To activate HDC, press the HDC button. When the button is pressed, HDC is ready for use. The HDC active indicator  comes on. While HDC is operating, HDC active indicator will blink.

To deactivate HDC, press the HDC button again. HDC active indicator will go off.

HDC operational conditions

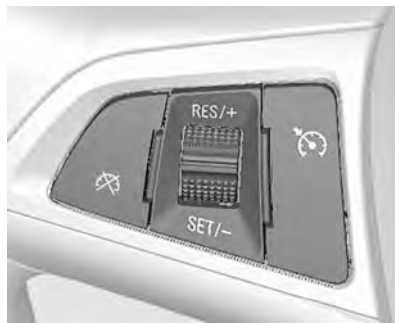
1. The HDC button should be pressed (The HDC active indicator comes on, button works below 40kph (25mph)).
2. A certain steep gradient.
3. HDC activates in 6~35kph (3.75~22mph) speed range. HDC is not operated when the vehicle speed is over 35 km/h (22 mph) in spite of pressing HDC button.
4. Driving over 60 km/h (37.3mph) HDC function goes off.
5. The accelerator or brake pedal is not depressed.
(HDC is not operated only when the accelerator or brake pedal is applied.)

Caution

HDC is designed for driving off-road on steep gradients.

Unnecessary usage of HDC can cause malfunctions in the brake system or ESC. Do not use HDC when driving on normal roads.

It is normal to have strong vibrations and noise from the brake system when HDC is applied.

Cruise control

GC3N9010A

The cruise control system allows you to maintain speed without pressing the accelerator pedal.



This system is operated when the vehicle speed is above approximately 32 km/h (20 mph).

⚠ Warning

Cruise control can be dangerous where you cannot drive safely at a steady speed.

Do not use the cruise control on winding roads or in heavy traffic.

Setting Cruise Control

1. Press the  button to turn cruise control on. Indicator  is illuminated.
2. Accelerate to the speed desired.
3. Turn the adjust wheel toward SET/- and release it.
4. Take your foot off the accelerator pedal.

Increasing setting speed

- Turn the adjust wheel to RES/+ and hold it. Your vehicle will accelerate. Release the adjust wheel at the desired speed.
- Turn the adjust wheel to RES/+ and release it immediately. The speed will increase by 1~2 km/h (0.6~1.2 mph).


Decreasing setting speed

- Turn the adjust wheel to SET/- and hold it. Your vehicle will decelerate. Release the adjust wheel at the desired speed.
- Turn the adjust wheel to SET/- and release it immediately. The speed will decrease by 1~2 km/h (0.6~1.2 mph).

To temporarily accelerate

If you want to speed up temporarily when the cruise control is on, depress the accelerator pedal. Increased speed will not interfere with cruise control operation or change the set speed. To return to the set speed, take your foot off the accelerator pedal.



Temporary deactivation

- the  button is pressed
- vehicle speed below approximately 32 km/h (20 mph),
- the brake pedal is depressed,
- the clutch pedal is depressed,
- selector lever in N,

Resume stored speed

If the cruise system is still activated, the most recent set speed will automatically resume when the RES/+ switch is pressed.

Deactivation

Press switch , control indicator  goes out. Cruise control is deactivated.

Speed limit system



TEL076A


The speed limit system enables the vehicle to set a maximum speed.

The maximum speed has been set; it gets stored and informs the driver with an indicator or warning chime.

Setting Speed



TEL077A

1. Press button  to turn the speed limit system on. The LIM indicator is illuminated.
2. Accelerate to the desired speed.
3. Turn the adjust wheel toward SET/- and release it.
If your vehicle speed is above 30 km/h (19 mph), the current speed can be set.
4. The setting speed is displayed in the cluster.

Increasing setting speed

- Turn the adjust wheel to RES/+ and hold it. Your setting speed will increase. Release the adjust wheel at the desired speed.
- Turn the adjust wheel to RES/+ and release it immediately. The setting speed will increase by 1~2 km/h (0.6~1.2 mph).

Decreasing setting speed


- Turn the adjust wheel to SET/- and hold it. Your setting speed will decelerate. Release the adjust wheel at the desired speed.
- Turn the adjust wheel to SET/- and release it immediately. The setting speed will decrease by 1~2 km/h (0.6~1.2 mph).

Resume stored speed

Turn the adjust wheel to RES/+. The previously setting speed will be set.

To active, turn the adjust wheel toward SET/- and release it.

Deactivation

To cancel the speed limit system, press the button .

To deactivate the speed limit system, press the button .

Speed limit warning

If you drive above the set speed, the warning indicator will flash and warning chime will sound.

If the current speed is higher than setting speed

If the current speed is higher than set speed plus 3 km/h (1.9 mph) above, indicator LIM* will flash and a warning chime will sound.

If the current speed is equal to setting speed, warning indicator and chime will stop immediately.

If the current speed is higher than setting speed plus 3 km/h (1.9 mph) again, warning indicator LIM* flashing.

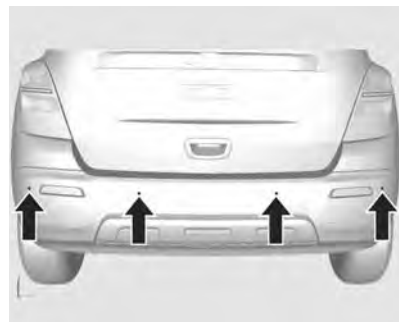
But if your vehicle speed is once 5 km/h below than setting speed, the warning chime will sound too.

Resume stored speed warning

When the driver press RES/+ button while driving with previous setting speed above, chime will sound 25 seconds later.

Object detection systems

Ultrasonic parking assist



GC3G9002A

Parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles, and giving an acoustic signal in the passenger compartment. It is the driver, however, who maintains full responsibility for parking.

The system consists of four ultrasonic parking sensors in the rear bumper.

Note

The attached parts in the detection area cause system malfunction.

Activation

When reverse gear is engaged, the system is activated automatically. An obstacle is indicated by audio. The interval between the audios becomes shorter as the vehicle gets closer to the obstacle. When the distance is less than 40 cm, the audio sounds continue.

⚠Warning

Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.

Deactivation

Deactivated in drive, Park or if there is an error.

The system might not detect the obstacle when the vehicle is driven above a 10km/h.

Fault

In the event of a fault in the system, P[⚠] illuminates.

Additionally if the system does not work due to temporary conditions like snow covered sensors, P[⚠] illuminates.

Caution

The parking assistance system should only be considered as a supplementary function. The driver must check the rearview.

The audio sounds can be different depending on the objects.

The audio sounds might not activate in case the sensor is frozen or stained with dirt or mud. Do not push, or scratch the surface of the sensor. This will likely damage the covering.

There is a chance of malfunction of the parking assistance system when driving on uneven surfaces such as woods, gravel road, jagged road, and slope.

The parking assistance system might not recognise sharp objects, thick winter clothes or other thick and soft materials could be absorb the frequency.

Caution

When receiving other ultrasonic signals (metal sound or air braking noises from heavy commercial vehicles), the parking assistance system may not work properly.

Clean dirty sensors with a soft sponge and clean water.

You should continue to keep watching the mirrors or turning your head backwards. Normal precautions when reversing should be maintained.

Do not press or shock the sensors by hitting or high-pressure water gun while washing or the sensors will be damaged.

Caution

The upper portion of the vehicle can be hit before the sensor operation, so check with outside rearview mirrors or by turning your head during parking.

The parking assistance system will be operated correctly on vertically flat surfaces.

Rear vision camera (RVC)

The RVC system is designed to help the driver when backing up by displaying a view of the area behind the vehicle. When the key is in the ON/START position and the driver shifts the vehicle into R (Reverse), the video image automatically appears on the LCD Module Display.

Once the driver shifts out of R (Reverse), the video image automatically disappears from the LCD Module Display.

⚠Warning

The Rear Vision Camera (RVC) system does not replace driver vision.

RVC does not:

- Detect objects that are outside the camera's field of view, below the bumper, or underneath the vehicle.
- Detect children, pedestrians, bicyclists, or pets.

Do not back the vehicle by only looking at the RVC screen, or use the screen during longer, higher speed backing maneuvers or where there could be cross-traffic.

You're judged distances using the screen will differ from actual distances.

⚠Warning

If you do not use proper care before backing up, you could hit a vehicle, child, pedestrian, bicyclist, or pet, resulting in vehicle damage, injury, or death. Even though the vehicle has the RVC system, always check carefully before backing up by checking behind and around the vehicle.

Turning the rear vision

Camera System Off or On When the key is in the ON/START position and the driver shifts the vehicle into R (Reverse), the video image will appear when the CAM button is pressed on the infotainment system.

Rear vision camera location

The camera is located in the rear of the vehicle.

The area displayed by the camera is limited and does not display objects that are close to either corner or under the bumper. The area displayed can vary depending on vehicle orientation or road conditions. The distance of the image that appears on the screen differs from the actual distance.

When the system does not seem to work properly

The RVC system might not work properly or display a clear image if:

- The RVC is turned off.
- It is dark.
- The sun or the beam of headlamps is shining directly into the camera lens.
- Ice, snow, mud, or anything else builds up on the camera lens. Clean the lens, rinse it with water, and wipe it with a soft cloth.
- The back of the vehicle is in an accident. The position and mounting angle of the camera can change or the camera can be affected. Be sure to have the camera and its position and mounting angle checked at your dealer.
- There are extreme temperature changes.

Fuel**Fuel for petrol engines**

Only use unleaded fuel that complies with DIN EN 228.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

Use fuel with the recommended octane rating. See *Engine data on page 310*. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Fuel for diesel engines

Only use diesel fuel that complies with DIN EN 590. The fuel must have low sulphur content (max. 50 ppm).

Equivalent standardised fuels with a biodiesel (= FAME according to EN14214) content of max. 7% by volume (like DIN 51628 or equivalent standards) may be used.

Do not use marine diesel oils, heating oils or entirely or partially plant-based diesel fuels, such as rape seed oil or bio diesel, aquazole and similar diesel-water emulsions.

Diesel fuels must not be diluted with fuels for petrol engines.

The flow and filterability of diesel fuel are temperature-dependent. When temperatures are low, refuel with diesel fuel with guaranteed winter properties.

Filling the tank

Caution

If you use inappropriate grade fuel or put incorrect fuel additives into the fuel tank, the engine and catalytic converter may be seriously be damaged.

Be sure to use the correct fuel corresponding to your vehicle when refueling. If you fill diesel in your petrol powered vehicle, your vehicle can be seriously damaged. You can confirm the correct fuel by taking a look at information on the fuel filler cap.

For safety reasons, fuel containers, pumps and hoses must be properly earthed. Static electricity build up can ignite the petrol vapor. You can be burnt and your vehicle damaged.

⚠ Danger

Before refueling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phone.

Vaporised fuel can be ignited by electromagnetic waves or electric current of mobile phone.

Fuel is flammable and explosive. No smoking. No naked flames or sparks. Follow the operating and safety instructions of the filling station when refueling.

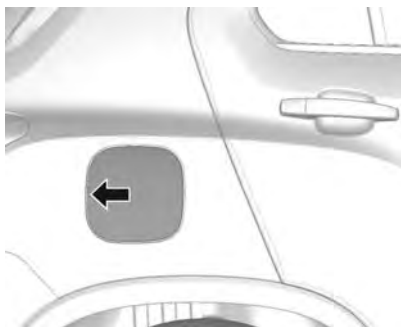
Remove static electricity on your hands by touching something able to release static electricity when touching or opening fuel cap or refueling nozzle.

⚠ Danger

Do not repeatedly get in and out of the vehicle when refueling as this can cause the build up of excessive static electricity.


Vaporised fuel can be ignited by static electricity.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by a repairer.



GC3D8001A

The fuel filler door is in the right rear side of vehicle.

1. Stop the engine.
2. Unlock the fuel filler door, press  button.
3. To open the fuel door, push the rearward center edge in and release , it will then open.
4. Turn the fuel filler cap counter-clockwise slowly. If a hissing sound is heard, wait for it to stop before completely unscrewing the cap.



GC3D8002A

5. Remove the cap. The cap is tethered to the hinge hook.
6. After refueling, close cap. Turn it clockwise until you hear "click" sound.
7. Push the fuel filler door closed until you hear "click" sound.

Note

If, in cold weather, the fuel filler door does not open, tap the door lightly. Then try to open it again.

Caution

Wipe off any overflowing fuel immediately.

Vehicle care

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Vehicle tools	265
Wheels and tyres	265
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Appearance care	289

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 warranty may not cover any problems caused by the modification.

Vehicle storage

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- 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 the vehicle in a dry, well ventilated place. For manual transmission engage first or reverse gear. For automatic transmission, engage P position. Prevent the vehicle from rolling.
- Do not apply the parking brake.

- Open the hood, close all doors and lock the vehicle.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.
- Close the hood.

Putting back into operation

When the vehicle is to be put back into operation:

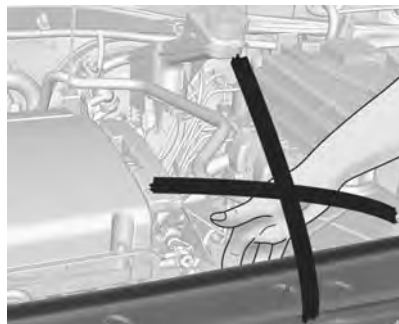
- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website. Only entrust this work to an authorised recycling centre.

Vehicle checks

Doing your own service Work



GO3E10053A

⚠ Warning

Only perform engine compartment checks when the ignition is off.

The cooling fan may start operating even if the ignition is off.

⚠Warning

The ignition system uses extremely high voltage. Do not touch.

Hood Opening



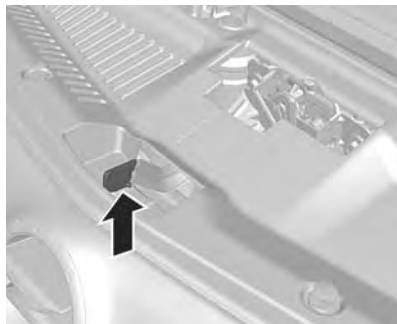
GO3E10054A

1. Pull the release lever and return it to its original position.



GC3D9001A

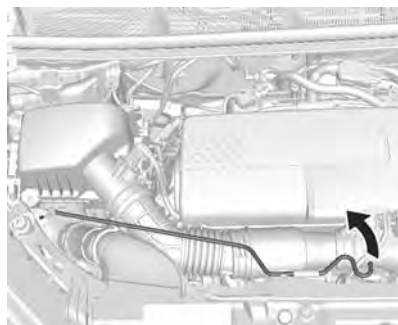
2. Push safety catch lever to the right side and open the hood.



GO3E10074A

Caution

When the engine is hot, only touch the tipped pad of latch lever.



GO3E10003A

3. Pull up the support rod lightly from the holder.
And then secure it at the left side hook on the hood.

Closing

Before closing the hood, press the support into the holder.

Lower the hood and allow it to drop into the catch. Check that the hood is engaged.

⚠Warning

Always observe the following precautions: Pull on the front edge of the hood to make sure it is latched securely before you drive your vehicle.

Do not pull the hood release lever while your vehicle is moving.

Do not move your vehicle with the hood open. An open hood will obscure the driver's vision.

Operating your vehicle with the hood open can lead to a collision resulting in damage to your vehicle to other property, personal injury or even death.



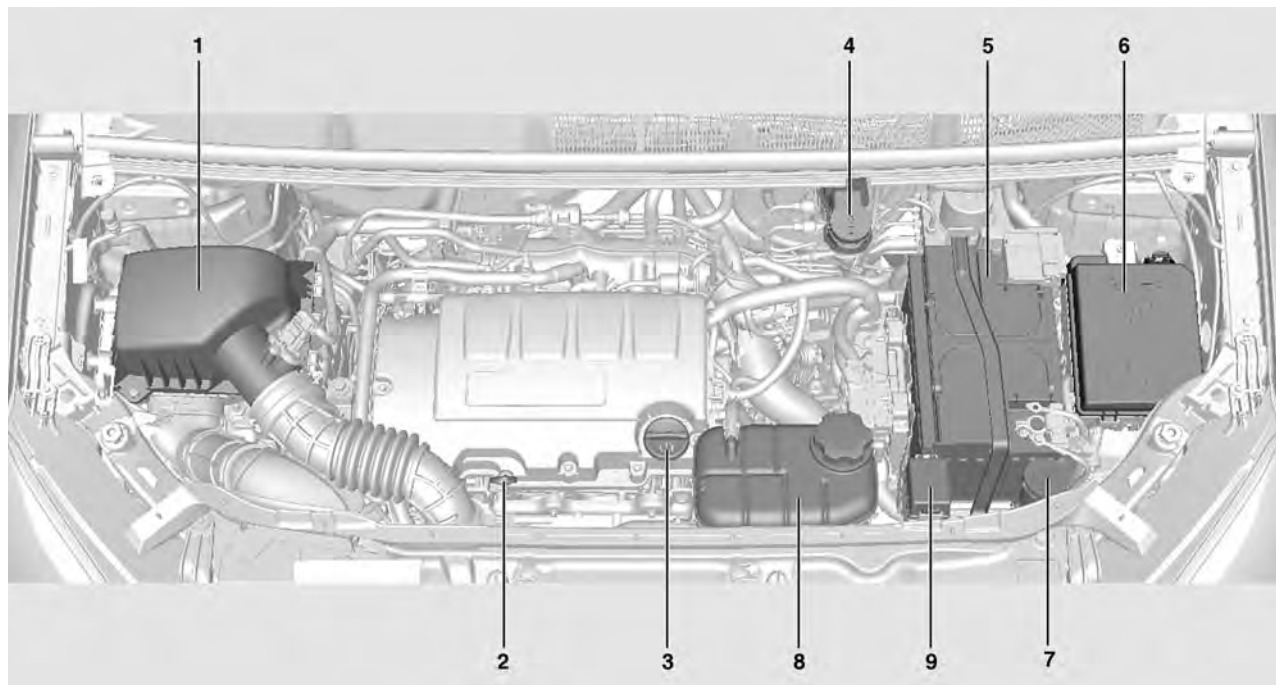
GO3E10002A

Caution

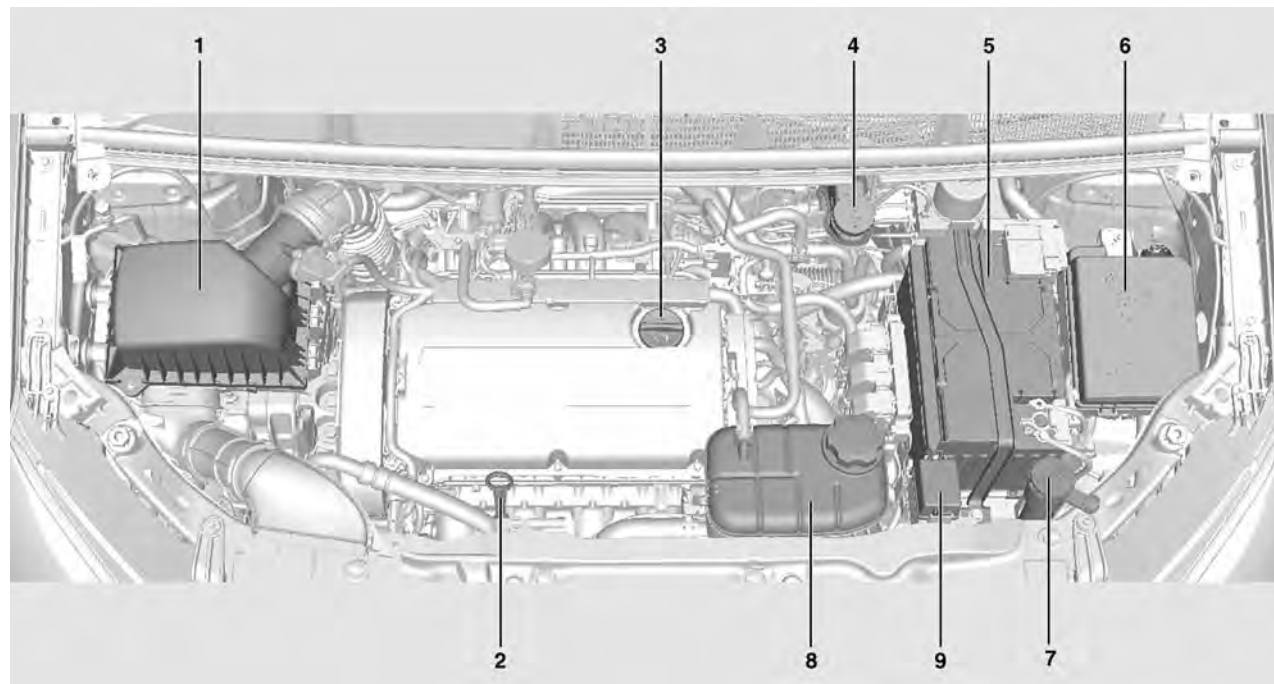
Do not pull down on the hood when the hood is supported by rod.

Engine compartment overview

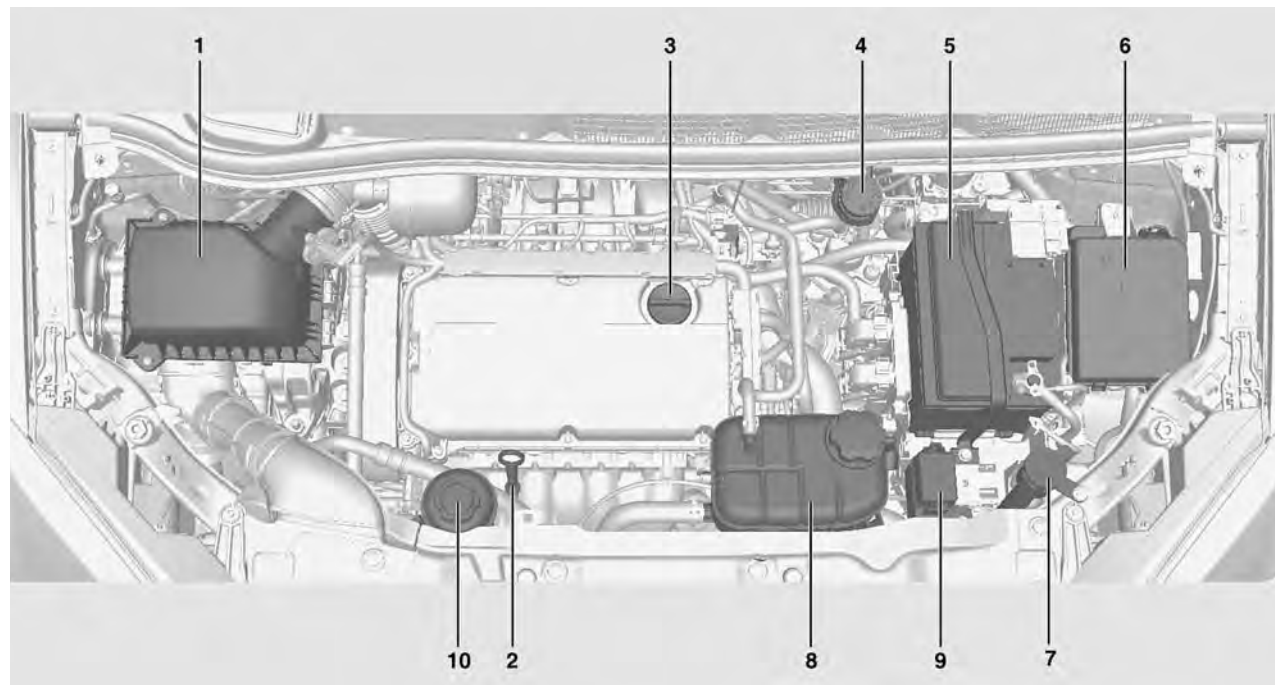
Petrol engine - 1.4



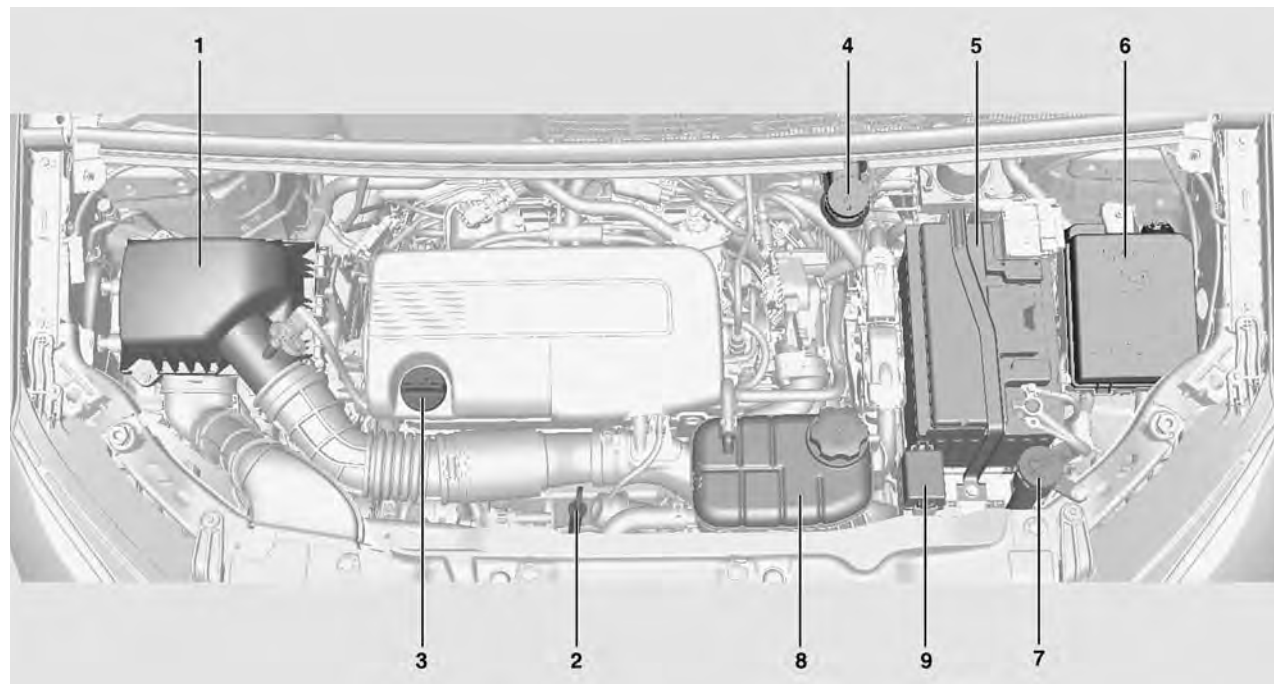
Petrol engine - 1.6



Petrol engine - 1.8



Diesel engine - 1.7



1. Engine air filter
2. Dipstick for engine oil level
3. Engine oil cap
4. Brake fluid container
5. Battery
6. Fuse block
7. Washer fluid container
8. Engine coolant container
9. Auxiliary fuse block
10. Hydraulic power steering fluid container

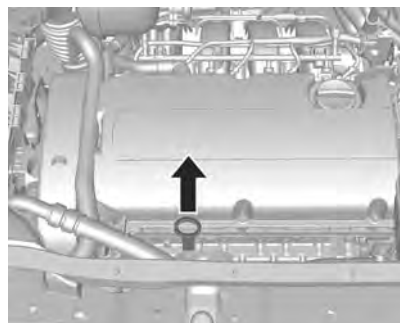
Engine oil

It is advisable to check the engine oil level manually before embarking on a long journey.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

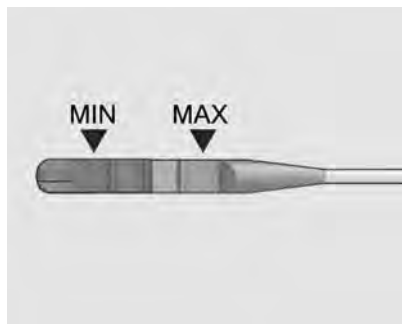
Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

Insert dipstick to the stop on the handle and make half a turn.



GC3G10002A

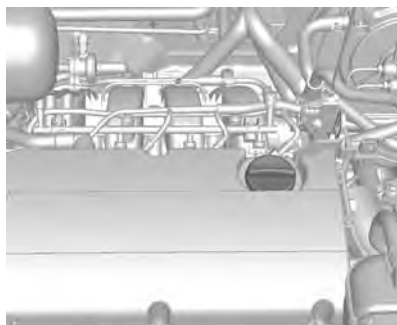
When the engine oil level has dropped to the MIN mark, top up engine oil.



TDL164A

We recommend the use of the correct grade engine oil.

The engine oil level must not exceed the MAX mark on the dipstick.



GC3G10003A

The engine oil filler cap is located on the camshaft cover.

Caution

Overfilled engine oil must be drained or suctioned out.

See *Capacities and Specifications* on page 314.

⚠ 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!

Engine Oil Life System

This vehicle has a computer system that indicates when to change the engine oil and filter.

This is based on engine revolutions, engine temperature and mileage.

Based on driving conditions, the mileage at which an oil change is indicated can vary considerably.

For the oil life system to work properly, the system must be reset every time the oil is changed.

When the system has calculated that oil life has been diminished, it indicates that an oil change is necessary.

The vehicle message code 82(Change engine oil soon) will appear in the Driver Information Center (DIC).

Change the oil as soon as possible within the next 1,000 km (600 miles).

It is possible that, if driving under optimal conditions, the oil life system might indicate that an oil change is not necessary for up to a year. The engine oil and filter must be changed at least once a year and, at this time, the system must be reset.

Your dealer has trained service people who will perform this work and reset the system. It is also important to check the oil regularly over the course of the oil change interval and ensure it is at the correct level.

If the system is ever reset accidentally, the oil must be changed at 5,000 km (3,000 miles) since the last oil change.

After you change the oil, the oil life monitor will need to be reset. We recommend that you consult your authorized repairer.

How to Reset the Engine Oil Life System

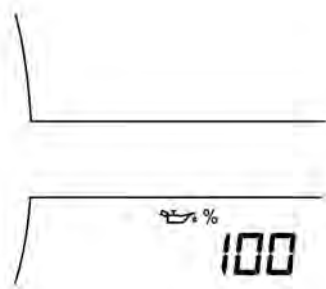
Reset the system whenever the engine oil is changed so that the system can calculate the next engine oil change.

1. Turn the ignition key to ON/START with the engine off.



TDL169A

2. Using the MENU button and adjuster wheel in the turn signal lever, scroll until you reach Engine oil life on the Driver Information Center (DIC).



GC3N10004B

3. Press the SET/CLEAR button to reset the oil life to 100%.
4. Turn the key to LOCK.

Be careful not to reset the oil life display accidentally at any time other than after the oil is changed. It cannot be reset accurately.

If the vehicle message code 82(Change engine oil soon) comes back in the Driver Information Center (DIC) when the vehicle is started, the engine oil life system has not reset. Repeat the procedure.

Caution

Remember to reset the engine oil life system whenever the engine oil is changed.

Automatic Transmission Fluid

It is not necessary to check the automatic transmission fluid level.

If you have a problem e.g. leak, have it remedied by a repairer.

Note

Use of the incorrect fluid may damage the vehicle. Always use the fluid listed in Recommended Fluids and Lubricants.

See *Recommended fluids and lubricants on page 303*.

Manual Transmission Fluid

It is not necessary to check the manual transmission fluid level.

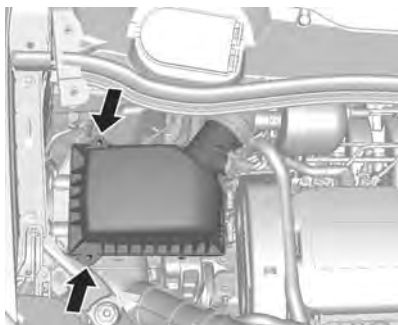
If you have a problem e.g. leak, have it remedied by a repairer.

Note

Use of the incorrect fluid may damage to the vehicle. Always use the fluid listed in Recommended Fluids and Lubricants.

See *Recommended fluids and lubricants on page 303*.

Engine air filter



GC3G10004A

1. Unscrew both screws.
2. Loosen the air filter cover hinges and open the cover.
3. Replace the air filter.
4. Lock the cover with the cover hinges and screws.

Caution

The engine needs clean air to operate properly.

Do not operate your vehicle without the air cleaner element installed.

Driving without the air cleaner element properly installed can damage your engine.

Engine coolant

In countries with moderate climate the coolant provides freeze protection down to approx. -30°C .

In countries with extremely cold climate the coolant provides freeze protection down to approx. -40°C .

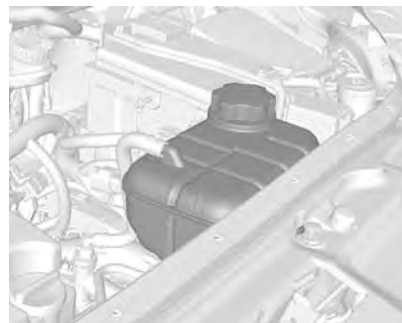
Maintain a sufficient concentration of anti-freeze.

Caution

Only use approved anti-freeze.

Coolant level**Caution**

Too low a coolant level can cause engine damage.



GO3E10008A

If the cooling system is cold, the coolant level should be above the filling line mark. Fill up if the level is low.

⚠Warning

Never remove the coolant reservoir cap when the engine and radiator are hot. It could cause serious injury. The engine must be cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Fill up with a mixture of demineralised water and anti-freeze approved for the vehicle. Install the cap tightly. Have the anti-freeze concentration checked and have the cause of the coolant loss remedied by a repairer.

Note

If the coolant level falls below the line mark, refill the radiator with 56/44 (Water:56%) mix of de-mineralized water and organic acid anti-freeze.

In order to protect your vehicle in extremely cold weather, use mix of 48 percent water and 52 percent anti-freeze.

Caution

Plain water or the wrong mixture can damage the cooling system.

Do not use plain water, alcohol or methanol anti-freeze in coolant system.

The engine may overheat or even catch fire.

Caution

Coolant can be hazardous material.

Avoid repeated or prolonged contact with coolant.

Clean your skin and nails with soap and water after coming in contact with coolant.

Keep out of reach of children.

Coolant can irritate the skin and can cause illness or death if swallowed.

Caution

It is not needed to add coolant more frequently than the recommended interval.

If you are adding coolant often, this may be a sign that your engine needs maintenance.

Contact a repairer for a check of the cooling system.

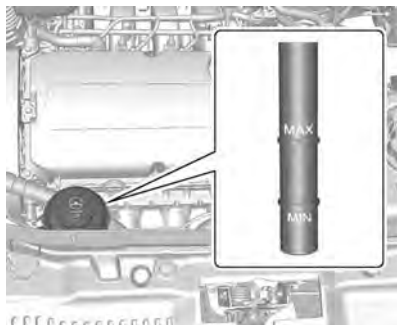
We recommend that you consult your authorised repairer.

Power steering fluid

Electric Power Steering

If the electronic power steering system is equipped, the power steering fluid is not used.

Hydraulic Power Steering



GO3E10059A

1. Turn the ignition key to LOCK and let the engine compartment cool down.
2. Wipe the cap and the top of the reservoir clean.

3. Unscrew the cap and pull it straight up.
4. Wipe the dipstick with a clean rag.
5. Replace the cap and completely tighten it.
6. Remove the cap again and look at the fluid level on the dipstick.

When the engine is hot, the level should be at the hot MAX level.

When the engine is cold, the fluid level should be between MIN and MAX on the dipstick.

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 or from entering the reservoir.

Caution

Do not operate the vehicle without the required amount of power steering fluid.

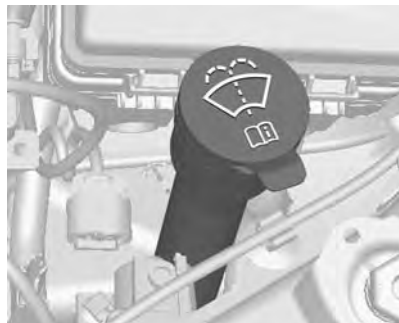
To do so can damage power steering system of your vehicle, leading to costly repairs.

⚠Warning

An overflow of the fluid may cause the fluid to burn or discolor paintwork.

Do not overfill the reservoir.

An engine fire can cause personal injuries and damage your vehicle and other property.

Washer fluid

TDL042A

Fill with windshield washer fluid that contains anti-freeze.

To refill windshield 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 windshield washer lines.

- If air temperature is likely to go below freezing, use windshield washer fluid which has sufficient anti-freezing property.

Brake fluid

⚠Warning

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.

<For LHD>



TDL037A

<For RHD>



GO3E10066A

The brake fluid level must be between the MIN and the MAX marks.

When filling 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 repairer.

Only use brake fluid approved for the vehicle.

See "Brake Fluid" under *Recommended fluids and lubricants* on page 303.

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.

Caution

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, authorised waste management facility.

Used brake fluid and their containers are hazardous. They can damage your health and the environment.

Caution

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.

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

Laying up the vehicle for more than 4 weeks can lead to battery discharge.

Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

See *Battery power protection on page 114*.

⚠Warning

Keep smoking materials away from a battery to avoid flames or sparks when the battery is checked because the explosive gas could ignite.

If the battery explodes, it can be result in damages of your vehicle and serious injury or death.

Avoid skin contact with battery acid because it contains highly corrosive and toxic sulfuric acid.

If you accidentally get it on your skin, flush the area with water and get medical help immediately.

Keep batteries out of the reach of children because they contain sulfuric acid and gas.

Do not allow battery acid to contact your skin, eyes, clothing or paint.

Do not open and tilt the battery.

Replacing the battery

Note

Any deviation from the instructions given in this paragraph may lead to a temporary deactivation of the stop- start system.

Only use batteries that allow the fuse box to be mounted above the battery.

In vehicles with stop-start system, ensure to have the AGM (Absorptive Glass Mat) battery replaced with an AGM battery again.

An AGM battery can be identified by the label on the battery. We recommend the use of an original GM battery.

Note

Using an AGM battery different from the original GM battery might result in a lower performance of the stop-start system.

We recommend that you have the battery replaced by a repairer.

Charging the battery


⚠ Warning

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 volts when using a battery charger. Otherwise the battery might be damaged.

Diesel fuel filter

Draining water from the fuel filter

If water in fuel gets into the engine and fuel system, it may cause serious damage to the fuel system.

When the water level in fuel filter exceeds a certain level, water in fuel warning light  is illuminated.

Have the vehicle checked by a repairer.

Wiper blade replacement

Properly functioning windshield 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 windshield.

Foreign material on the windshield or wiper blades can reduce the effectiveness of the wipers. If the blades are not wiping properly, clean both the windshield and the blades with a good cleaner or mild detergent. Rinse them thoroughly with water.

Repeat the process, if necessary. There is no way to remove traces of silicone from glass. Therefore never apply silicone polish or wax polish to your vehicle's windshield or you may have streak marks, blade chatter or blade noise that impairs the driver's vision.

Do not use solvents, gasoline, kerosene, or paint thinner to clean wipers. These are harsh and can damage the blades and painted surfaces.

Caution

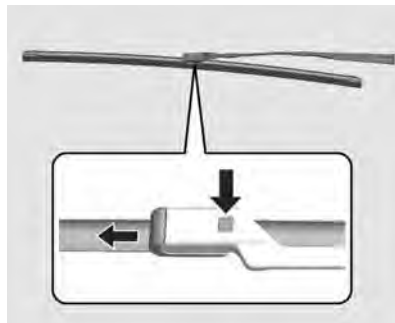
Before attempting to do the work, be sure you are fully acquainted with doing this job.

We recommend that you consult your authorised repairer.

Front wiper blade

GO3E10069A

1. After wiper operation, turn ignition off when the wiper blades are in an upright position.



GO3E10070A

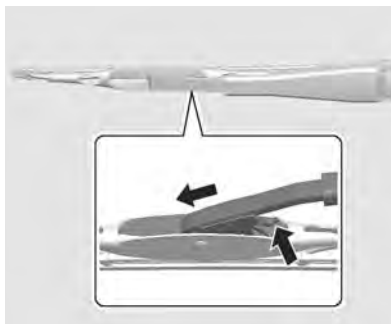
2. Pull the windshield wiper assembly away from the windshield.
3. Press the button in the middle of the wiper arm connector, and pull the wiper blade away from the arm connector.
4. Remove the wiper blade.
5. Reverse Steps 1 through 3 for wiper blade replacement.

Rear wiper blade



GO3E10060A

1. Remove the wiper cover from the wiper assembly.
2. Lift wiper blade up to plane.



GO3E10061A

3. Press slider holder pin with fingers.
4. Pull wiper blade out.

Caution

Do not allow the wiper arm to fall against the windshield, since it may chip or crack the windshield. Always slowly lower it down.

Bulb replacement

Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors.

Only hold a new bulb at the base! Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

Note

After driving in heavy rain or washing, some exterior lamp lenses could appear frosty.

This condition is caused by the temperature difference between the lamp inside and outside.

This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle.

If the water leaks into the light bulb circuitry, have the vehicle checked, we recommend an authorised repairer.

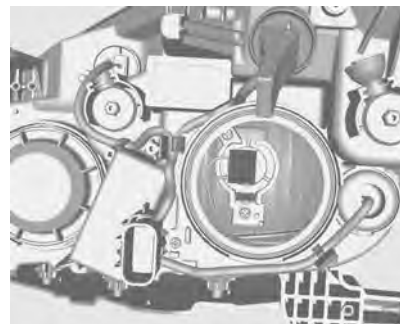
Headlamps and parking lamps

Low beam and high beam



GC3N10005A

1. Remove protective cover.



GC3E10003A

2. Disconnect the headlight bulb socket connector.

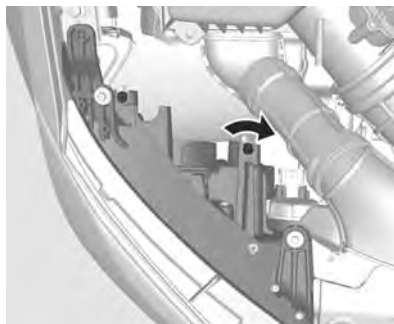


GC3E10004A

3. Remove the bulb from the bulb socket and replace the bulb.
4. When fitting a new bulb, engage the lugs in the recesses on the reflector.
5. Reinstall the headlight assembly.
6. Connect the bulb socket connector.
7. Place headlamp protective cover in position and close.

Vehicles when driving abroad

When driving in countries where traffic drives on the opposite side of the road, adjust the headlamp to prevent dazzling of oncoming traffic.



The adjusting screws are located above the headlamp.

Turn the adjusting screws with the screwdriver clockwise for half a turn.

For deactivation, turn the adjusting screws counterclockwise for half a turn.

Caution

Have the adjustment of the headlights checked after deactivation.

We recommend that you consult your authorised repairer.

⚠ Warning

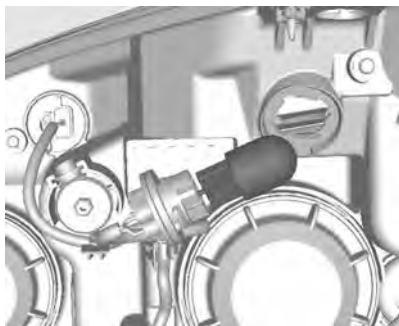
Improper adjustment of the headlamps can dazzle oncoming drivers.

Parking lamps



GC3N10008A

1. Remove the socket from the assembly by turning counterclockwise.
2. Remove bulb socket from reflector.
3. Detach plug connector from bulb.



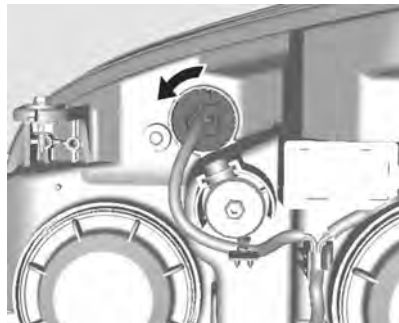
GC3N10009A

4. Remove bulb from socket.
5. Insert new bulb.
6. Plug connector onto bulb.
7. Insert socket in reflector.
8. Reinstall the assembly.

Fog lamps

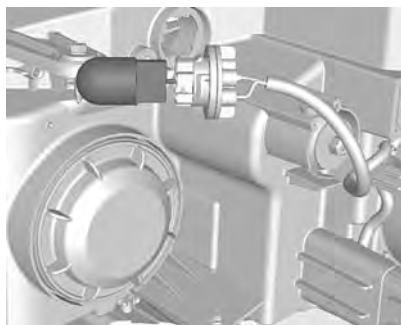
Have bulbs replaced by a repairer.

Front turn signal lamps



GC3N10010A

1. Rotate bulb holder counterclockwise and disengage.



GC3N10011A

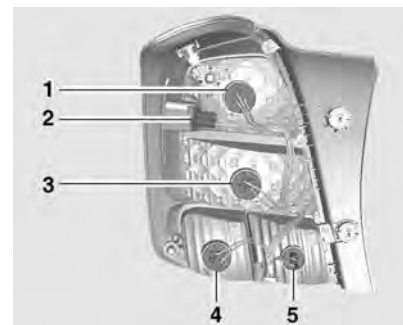
2. Push bulb into socket slightly, rotate counterclockwise, remove and renew bulb.
3. Insert bulb holder in reflector, rotate clockwise to engage.

Taillamps, turn signal, stoplamps, and back-up lamps



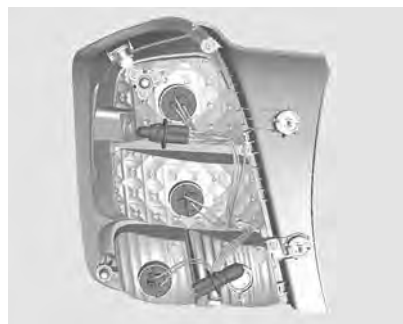
GC3N10012A

1. Unscrew both screws.
2. Pull taillamp assembly for removal. Take care that the cable duct remains in position.



GC3N10013A

3. (1) Tail/Stop lamp
(2) Side marker lamp
(3) Tail lamp
(4) Turn signal lamp
(5) Back-up lamp.

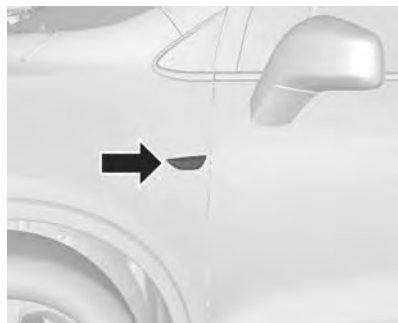


GC3N10014A

4. Remove bulb holder. Remove and renew bulb.
5. Insert bulb holder into the taillamp assembly. Install tail light assembly in body and tighten. Close covers and engage.
6. Switch on ignition, operate and check all lights.

Side turn signal lamps

<Type 1>



GO3E10029A

<Type 2>



GC3D9004A

If the lamp is not operated, have it checked by repairer.

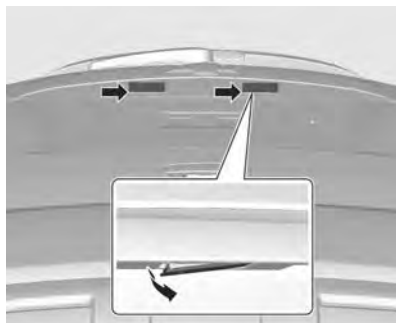
Center high-mounted stoplamp (CHMSL)



GC3D9010A

If the CHMSL is not operated, have the checked by repairer.

License plate lamp



GC3D9011A

1. Prise the lamp out with a screwdriver.
2. Remove bulb housing downward, taking care not to pull on the cable.
Rotate bulb holder counterclockwise to disengage.
3. Remove bulb from holder and renew bulb.
4. Insert bulb holder in bulb housing and rotate clockwise.

5. Insert bulb housing and secure using a screwdriver.

Exterior Lamp

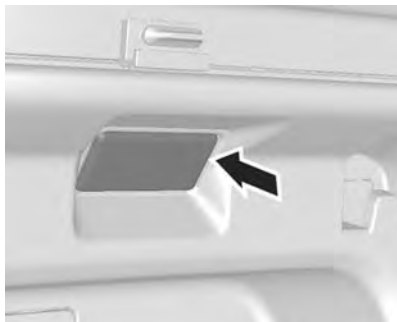
Front Parking / DRL Lamp	W/21/5W
Front Turn Signal Lamp	WY21W
High-Beam Headlamp	H1
Low-Beam Headlamp	H7
Rear Turn Signal Lamp	WY21W
Stop Lamp/Tail lamp	W21/5W
Back-Up Lamp	W21W
License Plate Lamp	W5W

Interior lamps

Courtesy lamps

1. To remove it, prise the opposite side of the lamp switch using a flat-blade screwdriver.
(Be careful not to make scratches.)
2. Remove the bulb.
3. Replace the bulb.
4. Reinstall the lamp assembly.

Tailgate lamp



GO3E10032A

1. Prise the lamp out with a screwdriver.
2. Remove bulb.
3. Insert new bulb.
4. Install lamp.

Electrical system

Fuses

Data on the replacement fuse must match the data on the defective fuse.

Main fuses are located in a box attached on the battery positive terminal.

For the needed case, in should be changed by a repairer.

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognised 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 existence of a function.

Note

Not all fuse box descriptions in this manual may apply to your vehicle.

When inspecting the fuse box, refer to the fuse box label.

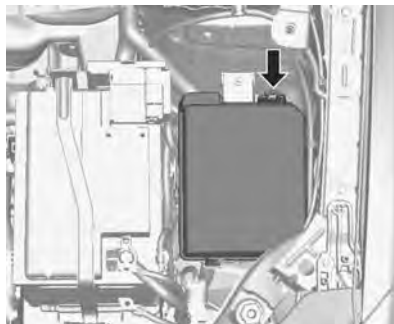
Fuse extractor

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 fuse.

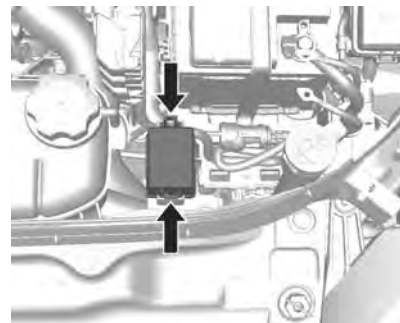
Engine compartment fuse block

<Main fuse>



GO3E10033A

<Auxiliary fuse>

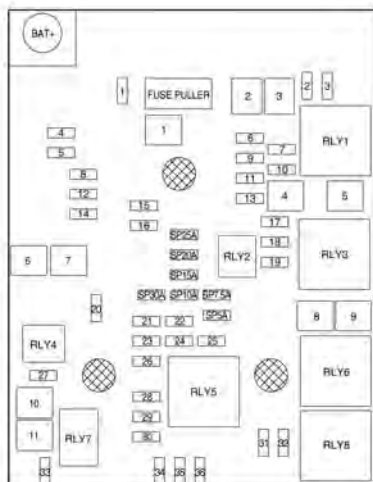


GO3E10034A

The fuse boxes are in the engine compartment.

Disengage the cover, lift it upwards and remove.

Main fuse block



GO3E10010A

Mini Fuses

1. SUNROOF
2. OSRVM SW
3. CANISTER VENT SOLENOID
4. NOT USED
5. EBCM VALVE
6. IBS
7. NOT USED
8. TCM B+
9. BCM RVC
10. HDLP LEVELING LH/RH
FSCM R/C
11. REAR WIPER
12. RR WDW DEFOG
13. NOT USED
14. OSRVM HEAT
15. FSCM B+
16. HEATED SEAT MODULE
17. TCM R/C
18. ECM R/C
19. FUEL PUMP
20. NOT USED
21. Gasoline: FAN RLY (AUX BEC)
- Diesel: Fan3 Relay 85
22. COLD START PUMP
23. Gasoline: IGNITION
COIL/INJECTOR COIL
Diesel: ECM PT IGN-2
24. WASHER PUMP
25. NOT USED
26. Gasoline: CANISTER PURGE
SOL/WATER VALVE
SOL/TURBO WASTEGATE
SOL/TURBO BYPASS SOL/O2
SENSOR PRE/POST
Diesel: VARIABLE SWIRL SOL
27. NOT USED
28. Gasoline: NOT USED
Diesel: ECM PT IGN-3
29. Gasoline: ECM PT IGN-1 /IGN-2
Diesel: ECM PT IGN-1
30. Gasoline: MAF SENSOR
Diesel: O2 SENSOR
31. HIGH BEAM LH
32. HIGH BEAM RH
33. ECM B+
34. HORN

- 35. A/C CLUTCH
- 36. FRONT FOG LAMP

J-case Fuses

- 1. EBCM PUMP
- 2. FRT WIPER
- 3. BLOWER
- 4. IEC R/C
- 5. NOT USED
- 6. Gasoline: NOT USED
Diesel: FUEL HEATER
- 7. NOT USED
- 8. COOL FAN LOW/MID
- 9. COOL FAN HIGH
- 10. Gasoline: EVP
Diesel: GLOW PLUG
- 11. STARTER SOL

U-Micro Relays

- 2. FUEL PUMP
- 4. SPARE

HC-Micro Relays

- 7. STARTER

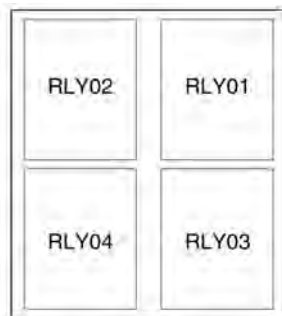
Mini Relays

- 1. RUN CRANK
- 3. COOL FAN MID
- 5. PT RELAY
- 8. COOL FAN LOW

HC-Mini Relay

- 6. COOL FAN HIGH

Auxiliary fuse block



GO3E10014A

Relays

- 01. ELECTRIC VACUUM PUMP RELAY
- 02. COOLING FAN CTRL 1 RELAY
- 03. COOLING FAN CTRL 2 RELAY

Instrument panel fuse block

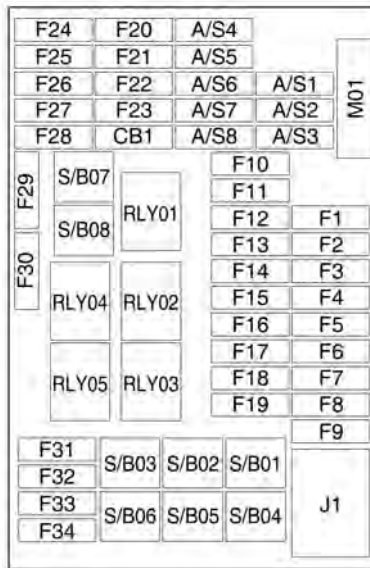


GO3E10035A

Interior fuse block is located on the underside of the driver's side instrument panel.

To access the fuses, remove the storage.

To remove the storage, open and pull it.



GO3E10012A

Relays

01. ACCY/RAP RELAY
02. L/GATE RELAY
03. SPARE RELAY
04. BLOWER RELAY
05. LOGISTIC MODE RELAY

Mini Fuses

1. BCM 1
2. BCM 2
3. BCM 3
4. BCM 4
5. BCM 5
6. BCM 6
7. BCM 7
8. BCM 8
9. DLIS
10. SDM B+
11. DLC
12. HVAC MDL
13. L/GATE RLY
14. UPA MDL
15. ISRVLM

16. SPARE
17. PWR WNDWSW DR
18. RAIN SNSR
19. BCM RVC
20. SWC BKL T
21. AC APO
22. CIGAR LTR/DC APO
23. SPARE
24. SPARE
25. SPARE
26. SDM RC/AOS DISPLY
27. IPC/CMPS MDL
28. HDLP SW/DC CVT/CLTCH SW
29. SPARE
30. SPARE
31. IPC B+
32. RDO/CHIME/AUX JACK
33. DISPLY/FACE PLATE
34. ONSTAR UHP/DAB

S/B Fuses

01. PTC 1
02. PTC 2
03. PWR WNDW MTR FRT
04. PWR WNDW MTR REAR
05. LOGISTIC MODE RLY
06. SPARE
07. PWR WNDW FRT
08. PWR WNDW REAR

Main Connector

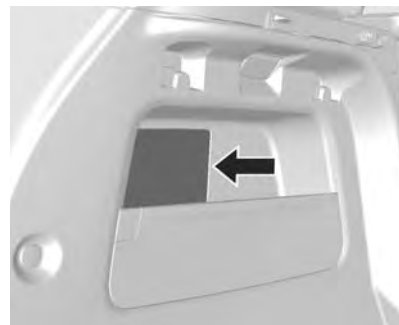
1. IEC MAIN PWR CONNECTOR

Circuit Breaker

CB1.SPARE

Midi Fuses

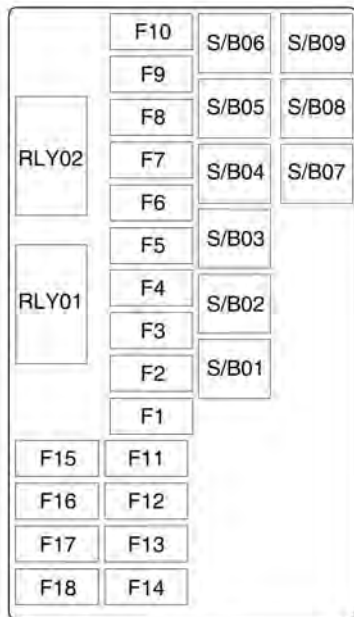
M01.SPARE

Rear compartment fuse block

GO3E10036A

It is located in the left side of rear compartment.

To access the fuses, remove the cover.



GO3E10013A

Relays

1. IGN RELAY
2. RUN RELAY

Mini Fuses

1. PWR LUM SW DR
2. PWR LUM SW PASS
3. AMPLIFIER
4. TRLR SOCKET
5. AWD MDL
6. AOS MDL
7. SPARE
8. TRLR PARK LP
9. SPARE
10. SPARE
11. TRLR MDL
12. NAV DOCK
13. HTD STR WHL
14. TRLR SOCKET
15. EVP SW
16. WATER IN FUEL SENSOR
17. ISRVM/RVC
18. SPARE

S/B Fuses

01. PWR SEAT SW DR/ MEMORY MDL
02. PWR SEAT SW PASS
03. TRLR MDL
04. ACDCINV
05. BATT+
06. HDLP WASH
07. SPARE
08. SPARE
09. SPARE

Vehicle tools

Tools

Vehicles with tyre repair kit



GO3E10039A

The tools and tyre repair kit are in the right side of rear compartment.

See *Tyre repair kit* on page 273.

Vehicles with spare wheel



GO3E10037A

The jack and the tools are in a storage compartment.

See *Tyre changing* on page 277.

See *Compact spare tyre* on page 281.

Wheels and tyres

Wheels and tyres

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 tyres on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a repairer in the event of damage or unusual wear.

Tyre designations

E.g. **215/60 R 16 95 H**

215: Tyre width, mm

60: Cross-section ratio (tyre height to tyre width), %

R: Belt type: Radial

RF: Type: RunFlat

16: Wheel diameter, inches

95: Load index e.g. 95 is equivalent to 690 kg

H: Speed code letter

Speed code letter:

Q: up to 160 km/h (100 mph)

S: up to 180 km/h (112 mph)

T: up to 190 km/h (118 mph)

H: up to 210 km/h (130 mph)

V: up to 240 km/h (150 mph)

W: up to 270 km/h (168 mph)

Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel.

Unscrew the valve cap.



GO3E10038A

Tyre pressures label is on the left side 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.

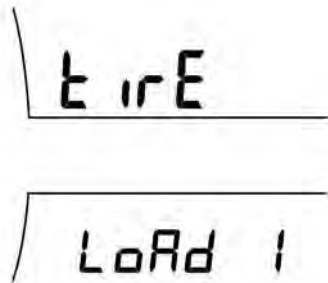
⚠ Warning

If the pressure is too low, this can result in considerable tyre warmup and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

Tyre Pressure Monitor Operation

This vehicle may have a Tyre Pressure Monitor System (TPMS).

The TPMS is designed to warn the driver when a low tyre pressure condition exists. TPMS sensors are mounted onto each tyre and wheel assembly, excluding the spare tyre and wheel assembly. The TPMS sensors monitor the air pressure in the tyres and transmit the tyre pressure readings to a receiver located in the vehicle.



GC3E5005A

To adapt tyre pressure telltale to the vehicle loading conditions, press the MENU button in the turn signal lever. Scroll the adjust wheel until reach "Tyre load" menu. Press the SET/CLR button. You can select the following menus.

Each menu can be selected turn the adjuster wheel in the turn signal lever.

- Load 1: Lo (Comfort tyre pressure mode)

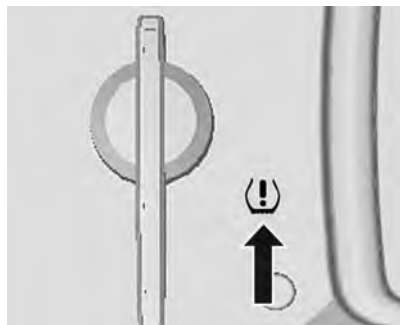
- Load 2: Eco (Eco tyre pressure mode)
- Load 3: Hi (GVW tyre pressure mode)

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

Note

Tyre inflation pressure label is on the left side door frame.

For the correct tyre pressure, refer to the recommended pressure on the tyre inflation pressure label.



GC3E10001A

When a low tyre pressure condition is detected, the TPMS illuminates the low tyre pressure telltale located on the instrument cluster.

If the low tyre pressure telltale comes on, stop as soon as possible and inflate the tyres to the recommended by the inflation pressure label.

See *Tyre pressure on page 266*.

The low tyre pressure telltale comes on at each ignition cycle until the tyres are inflated to the correct inflation pressure.

The low tyre pressure telltale may come on in cool weather when the vehicle is first started, and then turn off as the vehicle is driven. This could be an early indicator that the air pressure is getting low and must be inflated to the proper pressure.

A Tyre and Loading Information label shows the size of the original equipment tyres and the correct inflation pressure for the tyres when they are cold.

See *Tyre pressures on page 315*.

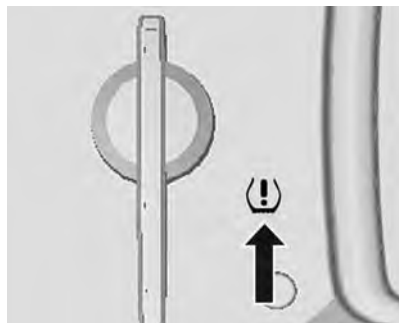
Note

The TPMS can warn about a low tyre pressure condition but it does not replace normal tyre maintenance.

Caution

Tyre sealant materials are not all the same. A non-approved tyre sealant could damage the TPMS sensors. TPMS sensor damage caused by using an incorrect tyre sealant is not covered by the vehicle warranty. Always use only the GM-approved tyre sealant available through your dealer or included in the vehicle.

TPMS Malfunction Indicator



GC3E10001A

The TPMS will not function properly if one or more of the TPMS sensors are missing or inoperable. When the system detects a malfunction, the TPMS malfunction indicator flashes for about one minute and then stays on for the remainder of the ignition cycle.

The TPMS malfunction indicator comes on at each ignition cycle until the problem is corrected. Some of the conditions that can cause these to come on are:

- One of the road tyres has been replaced with the spare tyre.
- The spare tyre does not have a TPMS sensor. The TPMS malfunction indicator should go off after the road tyre is replaced containing TPMS sensor.
- The TPMS sensor matching process was not done or not completed successfully after rotating the tyres. The malfunction light should go off after successfully completing the sensor matching process. See "TPMS Sensor Matching Process" later in this section.

- One or more TPMS sensors are missing or damaged. The malfunction light should go off when the TPMS sensors are installed and the sensor matching process is performed successfully. See your dealer for service.
- Replacement tyres or wheels do not match the original equipment tyres or wheels. Tyres and wheels other than those recommended could prevent the TPMS from functioning properly.
- Operating electronic devices or being near facilities using radio wave frequencies similar to the TPMS could cause the TPMS sensors to malfunction.

If the TPMS is not functioning properly, it cannot detect or signal a low tyre condition. See your dealer for service if the TPMS malfunction light comes on and stay on.

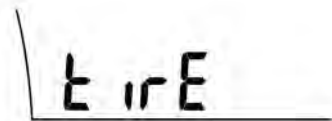
TPMS Sensor Matching Process

Each TPMS sensor has a unique identification code. The identification code needs to be matched to a new tyre/wheel position after rotating the tyres or replacing one or more of the TPMS sensors. The TPMS sensor matching process should also be performed after replacing a spare tyre with a road tyre containing the TPMS sensor. The malfunction light should go off at the next ignition cycle. The sensors are matched to the tyre/ wheel positions, using a TPMS relearn tool, in the following order: driver side front tyre, passenger side front tyre, passenger side rear tyre, and driver side rear. See your dealer for service or to purchase a relearn tool.

There are two minutes to match the first tyre/wheel position, and five minutes overall to match all four tyre/wheel positions. If it takes longer, the matching process stops and must be restarted.

The TPMS sensor matching process is:

1. Set the parking brake.
2. Turn the ignition to ON/RUN with the engine off.
3. Use the MENU button in the turn signal to select the menu in the Driver Information Center (DIC).



TNA020A

4. Use the thumbwheel to scroll to the Tyre Learn menu item screen.
5. Press the SET/CLR button to begin the sensor matching process. A message requesting acceptance of the process should display.
6. Press the SET/CLR button again to confirm the selection. The horn sounds twice to signal the receiver is in relearn mode.

7. Start with the driver side front tyre.
8. Place the relearn tool against the tyre sidewall, near the valve stem. Then press the button to activate the TPMS sensor. A horn chirp confirms that the sensor identification code has been matched to this tyre and wheel position.
9. Proceed to the passenger side front tyre, and repeat the procedure in Step 8.
10. Proceed to the passenger side rear tyre, and repeat the procedure in Step 8.
11. Proceed to the driver side rear tyre, and repeat the procedure in Step 8. The horn sounds two times to indicate the sensor identification code has been matched to the driver side rear tyre, and the TPMS sensor matching process is no longer active.

12. Turn the ignition to LOCK/OFF.
13. Set all four tyres to the recommended air pressure level as indicated on the Tyre and Loading Information label.

Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).



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.

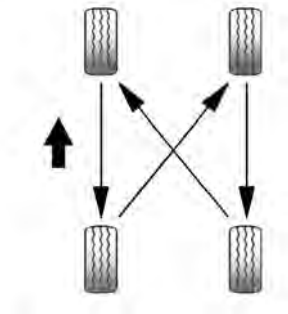
If there is more wear at the front than the rear, swap round front wheels and rear wheels. Ensure that the direction of rotation of the wheels is the same as before.

Tyres age, even if they are not used. We recommend tyre replacement every 6 years.

Tyre rotation

Tyres are rotated to achieve a more uniform wear for all tyres. The first rotation is the most important.

Any time unusual wear is noticed, rotate the tyres as soon as possible and check the wheel alignment. Also check for damaged tyres or wheels.



1970757

When rotating the tyres, always use the correct rotation pattern shown here.

Do not include the spare tyre in the tyre rotation.

Adjust the front and rear tyres to the recommended inflation pressure on the Tyre and Loading Information label after the tyres have been rotated.

Reset the Tyre Pressure Monitor System.

Check that all wheel nuts are properly tightened.

⚠ Warning

Rust or dirt on a wheel, or on the parts to which it is fastened, can make wheel nuts become loose after time. The wheel could come off and cause an accident. When changing a wheel, remove any rust or dirt from places where the wheel attaches to the vehicle. In an emergency, a cloth or a paper towel can be used; however, use a scraper or wire brush later to remove all rust or dirt.

Lightly coat the center of the wheel hub with wheel bearing grease after a wheel change or tyre rotation to prevent corrosion or rust build-up. Do not get grease on the flat wheel mounting surface or on the wheel nuts or bolts.

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.

⚠Warning

Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

Tyre repair kit

Minor damage to the tyre tread or sidewall can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at tyre's side wall near the rim cannot be repaired with the tyre repair kit.

⚠Warning

Do not drive faster than 80 km/h(50mph).

Do not use for a lengthy period.
Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake.

For manual transmission, engage first gear or reverse gear.

For automatic transmission, engage P position.



GO3E10039A

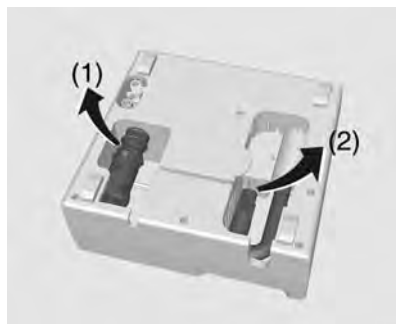
The tyre repair kit is located in the right side of rear compartment.

1. Open the storage.



GO3E10040A

2. Remove the compressor and the sealant bottle.



TDL087A

3. Remove the electrical connection cable (1) and air hose (2) from the stowage compartments on the underside of the compressor.



JE80A

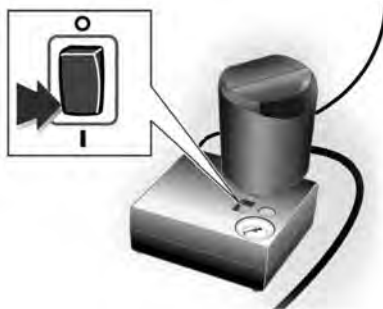
4. The switch on the compressor must be set to ○.
5. Screw the compressor air hose to the connection on the sealant bottle.
6. Connect the compressor plug to the accessory socket(power outlet or cigarette lighter.)
To avoid discharging the battery, we recommend running the engine.
7. Fit the sealant bottle into the retainer on the compressor.

Set the compressor near the tyre in such a way that the sealant bottle is upright.



JE81A

8. Unscrew valve cap from defective tyre.
9. Screw the filler hose to the tyre valve.



JE82A

10. Set the rocker switch on the compressor to I. The tyre is filled with sealant.
11. The compressor pressure gauge briefly indicates up to 6 bar whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.
12. All of the sealant is pumped into the tyre. Then the tyre is inflated.



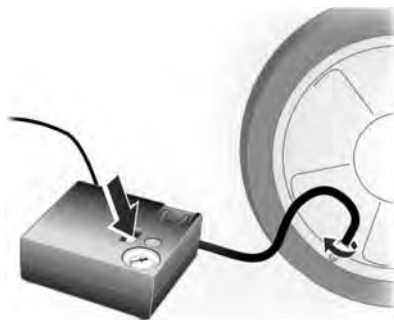
JE83A

13. The prescribed tyre pressure (approx. 2.4 bar) should be obtained within 10 minutes. When the correct pressure is obtained, switch off the compressor.
If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation.

Reattach the tyre repair kit and continue the filling procedure for 10 minutes. If the prescribed tyre pressure is still not obtained, the tyre is too badly damaged. Seek the assistance of a repairer. Drain excess tyre pressure with the button over the pressure indicator.

Do not run the compressor longer than 10 minutes.

14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw tyre inflation hose to free connection of sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in tailgate.
15. Remove any excess sealant using a cloth.
16. Take the label indicating maximum permitted speed (approx. 80km/h / 50mph) from the sealant bottle and affix in the driver's field of view.



JE84A

17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (6 miles) (but no more than 10 minutes), stop and check tyre pressure. Screw compressor air hose directly onto tyre valve and compressor when doing this. If tyre pressure is more than 1.3 bar, set it to the correct value (approx. 2.4 bar). Repeat the procedure until there is no more loss of pressure.

If the tyre pressure has fallen below 1.3 bar, the vehicle must not be used. Seek the assistance of a repairer.

18. Stow away tyre repair kit in tailgate.

Note

The driving characteristics of the repaired tyre is severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30°C~70°C (-22~158°F).

Tyre changing

Mixing tyres could cause you to lose control while driving.

If you mix tyres of different sizes, brands, or types (radial and bias-belted tyres), the vehicle may not handle properly, and you could have a crash. Using tyres of different sizes, brands, or types may also cause damage to your vehicle. Be sure to use the correct size, brand, and type of tyres on all wheels.

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

Make the following preparations and observe the following information:

- Pull over your vehicle to a safe place away from traffic.

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake.
For manual transmission, engage first gear or reverse gear.
For automatic transmission, engage P position.
- Turn off the engine and remove key.
- Turn on the hazard flashers.
- Use a wedge, block of wood, or rocks in front of and behind the tyre that is diagonal from the tyre you plan to change.
- Have all passengers get out of the vehicle.
- Remove the spare wheel.
See "Temporary spare wheel" under *Compact spare tyre on page 281*.
- Never change more than one wheel at once.

- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1cm(0.4 inches) 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 before mounting the wheel.

⚠Warning

We designed the jack for use on your vehicle only.

Do not use jack provided with your vehicle on other vehicles.

Never exceed the jack's maximum permissible load.

Use of this jack on other vehicles may damage the other vehicles or your jack and lead to personal injury.

Removing the flat tyre and installing the spare tyre

1. Do a safety check before proceeding.
2. Turn the wheel wrench counterclockwise to loosen the wheel nut caps.
If needed, finish loosening them by hand. The nut caps will not come off of the wheel cover. The edge of the wheel cover could be sharp, so do not try to remove the cover with your bare hands. Do not drop the cap or lay it face down, as it could become scratched or damaged. Store the wheel cover in the trunk until you have the flat tyre repaired or replaced.



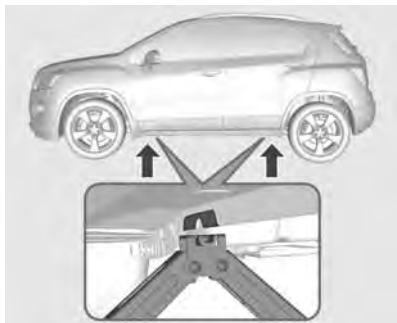
1913313

3. Turn the wheel wrench counterclockwise to loosen all of the wheel nuts, but do not remove them yet.

Note

Make sure that the jack lift head is in the correct position or you may damage your vehicle.

The repairs would not be covered by your warranty.



GC3D9013A

4. Position the jack head, as shown. Set the jack to the necessary height before positioning it below the jacking point.
5. Attach the jack lift assist tool to the jack by fitting both ends of the jack and tool over one another.

⚠Warning

Getting under a vehicle when it is jacked up is dangerous. If the vehicle slips off the jack, you could be badly injured or killed.

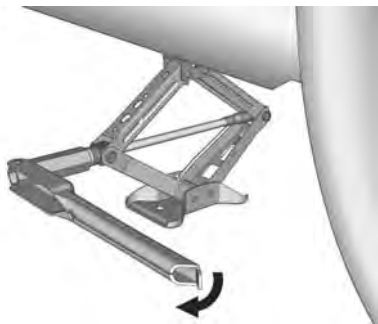
Never get under a vehicle when it is supported only by a jack.

⚠Warning

Raising the vehicle with the jack improperly positioned can damage the vehicle and even make the vehicle fall. To help avoid personal injury and vehicle damage, be sure to fit the jack lift head into the proper location before raising the vehicle.

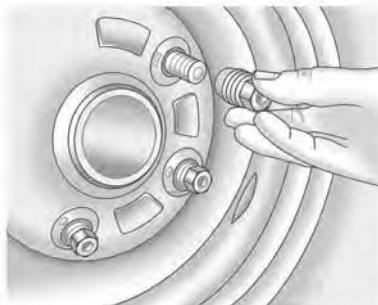
⚠Warning

Lifting a vehicle and getting under it to do maintenance or repairs is dangerous without the appropriate safety equipment and training. If a jack is provided with the vehicle, it is designed only for changing a flat tyre. If it is used for anything else, you or others could be badly injured or killed if the vehicle slips off the jack. If a jack is provided with the vehicle, only use it for changing a flat tyre.



VSD011A

6. Turn the jack handle clockwise to raise the vehicle far enough off the ground for the compact spare to fit under the vehicle.

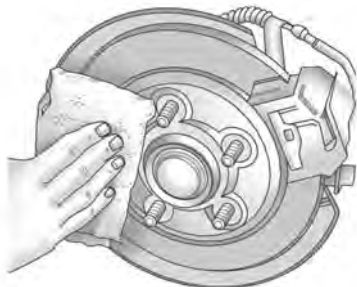


1913316

7. Remove all of the wheel nuts.
8. Remove the flat tyre.

⚠ Warning

Rust or dirt on a wheel, or on the parts to which it is fastened, can make wheel nuts become loose after time. The wheel could come off and cause an accident. When changing a wheel, remove any rust or dirt from places where the wheel attaches to the vehicle. In an emergency, a cloth or a paper towel can be used; however, use a scraper or wire brush later to remove all rust or dirt.



1913319

9. Remove any rust or dirt from the wheel bolts, mounting surfaces, and spare wheel.
10. Install the compact spare tyre.

⚠Warning

Never use oil or grease on bolts or nuts because the nuts might come loose. The vehicle's wheel could fall off, causing a crash.

11. Put the wheel nuts back on with the rounded end of the nuts toward the wheel. Turn each nut clockwise by hand until the wheel is held against the hub.
12. Lower the vehicle by turning the jack handle counterclockwise. Lower the jack completely.
13. Tighten the wheel nuts firmly in a crisscross sequence.
14. Lower the jack all the way and remove the jack from under the vehicle.
15. Tighten the wheel nuts firmly with the wheel wrench.

Note

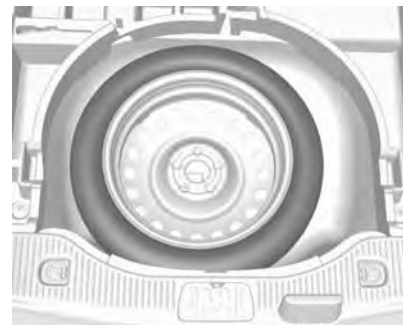
Wheel covers will not fit on the vehicle's compact spare. If you try to put a wheel cover on the compact spare, the cover or the spare could be damaged.

Compact spare tyre

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.

Use of a spare wheel that is smaller than the other wheels or together with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.



GO3E10044A

The spare wheel is located in the tailgate (or boot lid) 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 wider than the spare must be stowed in the spare wheel well after changing wheels, the floor cover can be placed on the projecting wheel.

Caution

This spare wheel/tyre assembly is for temporary emergency use only.

Replace with regular wheel/tyre assembly as soon as possible.

Do not use tyre chains.

Do not install any tyre on this wheel which is not identical to the original.

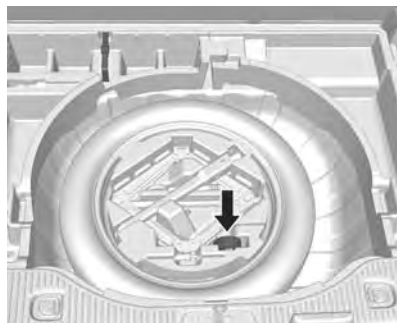
Do not install on other vehicles.

Temporary spare wheel

Use of the temporary spare wheel could affect driveability. Have the defective tyre renewed or repaired as soon as possible.

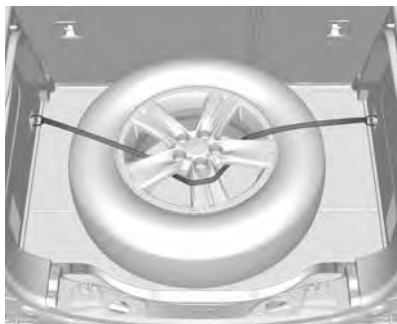
Only mount one temporary spare wheel. Do not drive faster than 80 km/h(50mph). Take curves slowly. Do not use for a long period of time.

Stowing of a damaged wheel



GO3E10067A

A damaged wheel must be stowed in load compartment and secured with a strap.



GC3E10002A

1. Position the wheel on middle of the load compartment.
2. Stick the loop end of the strap through the according lashing eye.
3. Stick the hook end of the strap through the loop and pull it till the loop is mounted to the lashing eye.
4. Lead the strap through the spokes of the wheel as shown in the illustration.
5. Mount the hook end to the opposite lashing eye.
6. Tighten the strap.

Jump starting

Jump starting

Do not start with quick charger.

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

⚠ Warning

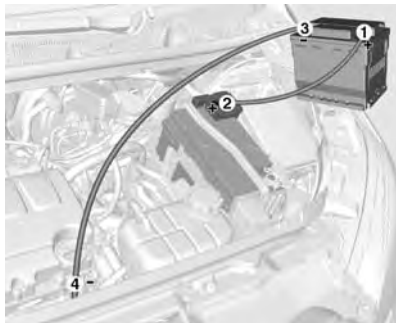
Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

Avoid contact 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 temperatures 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(25mm² for diesel).
- 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, manual transmission in neutral , automatic transmission in P.



GO3E10045A

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 as far away from the discharged battery as possible, however at least 60 cm(24 inches).

Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

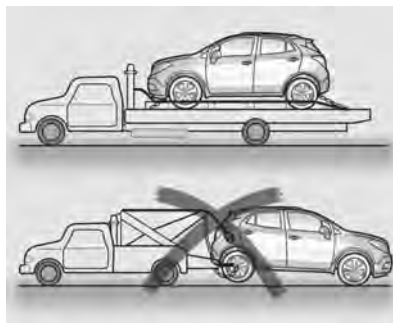
1. Start the engine of the vehicle providing the jump.
2. After 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 minutes with the leads connected.

4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

Towing

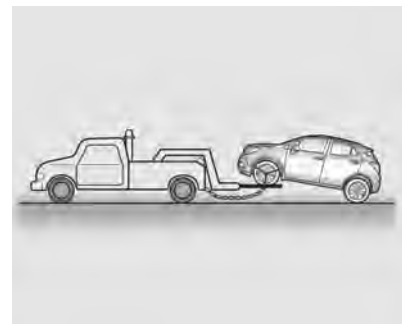
Towing the vehicle

If you need to have your vehicle towed, please use our service network or professional towing company.

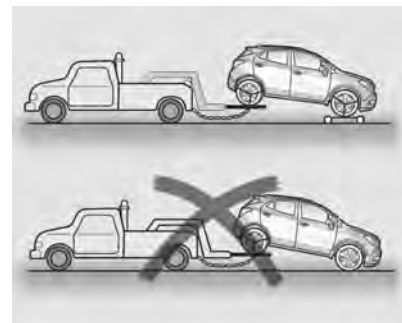


GO3E10046A

The best method is to have the vehicle transported using a recovery vehicle.



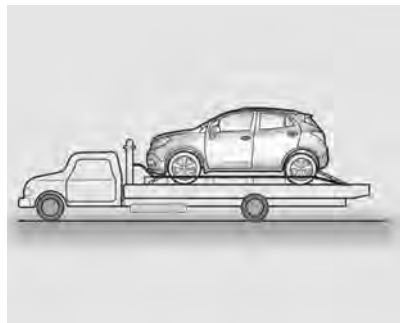
GO3E10047A



GO3E10048A

Towing the vehicle with all wheel drive system

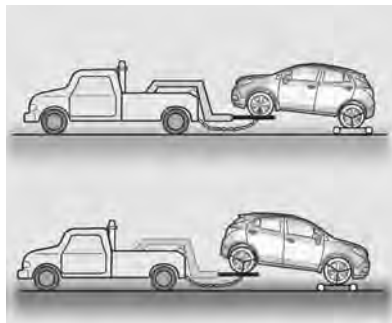
If towing by 2 wheels, lift the front driving wheels and tow with the front tyres locked.



GO3E10072A

Flat-bed equipment is the best method of towing the vehicle to be equipped with all wheel drive (AWD) system to avoid any damages.

If not available to use a flat-bed equipment, use a towing dolly to tow the vehicle as illustrated below.



GO3E10073A

Please observe the following procedures when towing a vehicle:

- No passenger should remain in the vehicle being towed.
- Release the parking brake of the towed vehicle and place the transmission gear in neutral.
- Switch on the emergency warning lights.
- Keep the speed limits.

Caution

If you tow the vehicle equipped with the all wheel drive (AWD) system while front or rear tyres are rolling on the road, the drive system in the vehicle could be severely damaged.

Never tow your vehicle with the front and rear tyres on the road.

Emergency towing

If towing service is not available in an emergency, your vehicle may be temporarily towed by a rope secured to the emergency towing eye.



GC3D9008A

Disengage cap by using the screwdriver and remove the cap.

The towing eye is stowed with the vehicle tools.

See *Tools* on page 265.



GC3D9009A

Screw in the towing eye as far as it will go until it stops in a horizontal position. (Should be contact with tow nut.)

Attach a tow rope or better still a tow rod to the towing eye.

The towing eye must only be used for towing and not for recovering the vehicle.

Switch on ignition to release steering column lock and to permit operation of brake lights, horn and windshield wipers.

Transmission in neutral.

Caution

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust fumes from the towing vehicle, switch on the air recirculation and close the windows.

Vehicle with automatic transmission:
Do not tow the vehicle using tow eye.
Towing with a tow rope could cause severe automatic transmission damage. When towing vehicle with automatic transmission, use flat bed or wheel lift equipment.

Vehicle with manual transmission:
The vehicle must be towed facing forward, not faster than 88km/h (55mph). In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Seek the assistance of a repairer.

After towing, unscrew the towing eye.

Insert cap and close cap.

Towing another vehicle



GC3G10007A

Disengage cap by using the screwdriver and remove the cap.

The towing eye is stowed with the vehicle tools.

See *Tools* on page 265.



GC3G10008A

Screw in the towing eye as far as it will go until it stops in a horizontal position. (Should be contact with tow nut.)

Attach a tow rope or better still a tow rod to the towing eye.

The towing eye must only be used for towing and not for recovering the vehicle.

After towing, reinstall the cover firmly after work.

Caution

Drive slowly. Do not drive jerkily.
Excessive tractive force can
damage the vehicle.

Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using de-icing agent, have the locks regreased by a repairer.

Washing

The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windshield wipers and rear window wiper must be switched off. Lock the vehicle so that the fuel filler flap cannot be opened. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the hood as well as the areas they cover.

Have the door hinges of all doors greased by a repairer.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

Exterior lights

Headlamp and other lamp covers are made of plastic.

Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

When cleaning the inserts debris, grease dirt and tar on the exterior lamps or lenses, use only lukewarm water, a soft cloth, and a car washing soap.

Hard cleaning with dry cloth can be damage on the exterior lamp or lens.

Don't clean the exterior lamps with intensive car-washing fluid.

Avoid using the hazardous cleaner under turning on the light. It can be caused the lens crack by chemical reaction.

Follow the car-washing guide

Keep car-washing guide and use the mild detergent.

Micro lens cracks and welding area cracks may be caused if the car-wash guide is not followed.

Never use washing fluid as below for a cleaning purpose.

- Acetone
- Benzene
- Toluene
- Xylene
- Thinner

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windshield wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window, make sure the heating element inside is not damaged.

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a repairer.

Caution for accessory body kit assembled to the vehicle

Take care for the accessory body kit assembled to the vehicle.

- Take care not to cause breakage or body damage caused by a towing rope when the car is towed. Tow the car after detaching the bumper lower cover, if required.
- Extra attention must be paid to the low level of ground clearance when driving, in particular with sleeping policeman, kerb stones, parking ramps, etc.

- Use support, when lifted, to ensure no damage is caused by interference with body kit.
- Use safety loader of flat bed to protect against body damage and breakage when towing the car.

Underbody

Corrosive materials used for ice and snow removal or dust control can collect on the underbody of your vehicle. Failure to remove these materials can accelerate corrosion and rust.

Periodically use plain water to flush these materials from the underbody of your vehicle.

Take care to clean any areas in which mud and other debris can collect. Loosen any sediment packed in closed area before flushing with water.

Tailgate support gas strut service

Visually inspect gas strut, if equipped, for signs of wear, cracks,

or other damage. Check the hold open ability of the gas strut. Contact your dealer if service is required.

Interior care

The interior will continue to look its best if it is cleaned often. Dust and dirt can accumulate on the upholstery and cause damage to the carpet, fabric, leather, and plastic surfaces. Stains should be removed quickly as extreme heat could cause them to set rapidly.

Lighter colored interiors may require more frequent cleaning.

Newspapers and garments that can transfer color to home furnishings can also transfer color to the interior.

Remove dust from small buttons and knobs with a small brush with soft bristles.

When cleaning the interior, only use cleaners specifically designed for the surfaces that are being cleaned.

Permanent damage can result from using cleaners on surfaces for which they were not intended. Apply the cleaner directly to the cleaning cloth to prevent over-spray. Remove any accidental over-spray from other surfaces immediately.

Note

Using abrasive cleaners when cleaning glass surfaces on the vehicle could scratch the glass and/or cause damage to the rear window defogger. When cleaning the glass on the vehicle, use only a soft cloth and glass cleaner.

Cleaners can contain solvents that can become concentrated in the interior.

Before using cleaners, read and adhere to all safety instructions on the label. While cleaning the interior, maintain adequate ventilation by opening the doors and windows.

Do not clean the interior using the following cleaners or techniques:

- Never use a knife or any other sharp object to remove a soil from any interior surface.
- Never use a stiff brush. It can cause damage.
- Never apply heavy pressure or rub aggressively with a cleaning cloth. Use of heavy pressure can damage the interior and does not improve the effectiveness of soil removal.
- Avoid laundry detergents or dishwashing soaps with degreasers. Using too much soap will leave a residue that leaves streaks and attracts dirt. Use only mild, neutral-pH soaps.
- Do not heavily saturate the upholstery while cleaning.
- Cleaners that contain solvents can damage the interior.

Fabric/carpet

Use a vacuum cleaner with a soft brush attachment to remove dust and loose dirt. A canister vacuum with rotating brushes in the nozzle may only be used on floor carpet and carpeted floor mats. For soils, always try to remove them first with plain water or club soda.

Before cleaning, gently remove as much of the soil as possible using one of the following techniques:

- For liquids: gently blot the remaining soil with a paper towel. Allow the soil to absorb into the paper towel until no more can be removed.
- For solid dry soils: remove as much as possible and then vacuum.

To clean:

1. Saturate a lint-free, clean white cloth with water or club soda.
2. Remove excess moisture.
3. Start on the outside edge of the soil and gently rub toward the center. Continue cleaning, using a clean area of the cloth each time it becomes soiled.
4. Continue to gently rub the soiled area.
5. If the soil is not completely removed, use a mild soap solution and repeat the cleaning process with plain water.

If any of the soil remains, a commercial fabric cleaner or spot lifter may be necessary. Test a small hidden area for colorfastness before using commercial upholstery cleaner or spot lifter. If the locally cleaned area gives any impression that a ring formation may result, clean the entire surface.

A paper towel can be used to blot excess moisture from the fabric or carpet after the cleaning process.

Caution

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Leather

Leather, and lighter colored leather in particular, will need more frequent cleaning to prevent the buildup of dust, dirt, and colors transferred from other items so that these do not become permanent stains.

To remove dust, a soft cloth dampened with water can be used. If a more thorough cleaning is necessary, a soft cloth dampened with a mild soap solution can be used. Allow the leather to dry naturally.

Do not use heat, steam, spot lifters or spot removers, or shoe polish on

leather. Many commercial leather cleaners and coatings that are sold to preserve and protect leather may permanently change the appearance and feel of the leather and are not recommended. Do not use silicone or wax-based products, or those containing organic solvents to clean the interior because they can alter the appearance by increasing the gloss in a non-uniform manner.

Instrument panel, vinyl, and other plastic surfaces

To remove dust, a soft cloth dampened with water can be used. If a more thorough cleaning is necessary, a clean soft cloth dampened with a mild soap solution can be used to gently remove dust and dirt. Never use spot lifters or removers on plastic surfaces. Many commercial cleaners and coatings that are sold to preserve and protect soft plastic surfaces may permanently change the appearance and feel of the interior and are not recommended. Do not use silicone or wax-based products, or those containing organic solvents to clean the interior because they can alter the appearance by increasing the gloss in a non-uniform manner. Some commercial products may increase gloss on the instrument panel. The increase in gloss may cause annoying reflections in the windshield and even make it difficult

to see through the windshield under certain conditions.

Note

Air fresheners contain solvents that may cause damage to plastics and painted surfaces.

Follow the manufacturer's instructions when using air fresheners in the vehicle. If air freshener comes in contact with paint or a plastic surface, blot immediately with a soft cloth.

Damage caused by using air fresheners would not be covered by the vehicle warranty.

Care of safety belts

Keep belts clean and dry.

⚠ Warning

Do not bleach or dye safety belts.

It may severely weaken them. In a crash, they might not be able to provide adequate protection.

Clean safety belts only with mild soap and lukewarm water.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Floor mats

⚠Warning

If a floor mat is the wrong size or is not properly installed, it can interfere with the accelerator pedal and/or brake pedal. Interference with the pedals can cause unintended acceleration and/or increased stopping distance which can cause a crash and injury. Make sure the floor mat does not interfere with the accelerator or brake pedal.

Use the following guidelines for proper floor mat usage:

- The original equipment floor mats were designed for your vehicle. If the floor mats need replacing, it is recommended that GM certified floor mats be purchased. Non-GM floor mats may not fit properly and may interfere with the accelerator or brake pedal. Always check that the floor mats do not interfere with the pedals.
- Use the floor mat with the correct side up. Do not turn it over.
- Do not place anything on top of the driver side floor mat.
- Use only a single floor mat on the driver's side.
- Do not place one floor mat on top of another.

Service and maintenance

General information	297
Scheduled maintenance	298
Recommended fluids, lubricants and parts	303

General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

Confirmations

Confirmation of service is recorded in the Service Guide.

The date and mileage is completed with the stamp and signature of the servicing repairer.

Make sure that the Service Guide is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

Scheduled maintenance

Scheduled maintenance

Maintenance Interval
Every 1 year / 15,000km(10,000 miles) (whichever occurs first)

Maintenance I -- Use Maintenance I for the first service or if Maintenance II was performed previously

Maintenance II -- Use Maintenance II if the previous service performed was Maintenance I.

For vehicles equipped with an oil life monitoring system: If code number 82 is displayed in the Driver Information Centre (DIC) and the previous maintenance has been carried out at least 10 months before, then the relevant maintenance should also be carried out.

No	Service	Maintenance I	Maintenance II
1	Replace engine oil and filter.	R	R
2	Inspect for any leaks or damage.	I	I
3	Inspect engine air filter.	I	I
4	Inspect tyres for inflation pressures and wear.	I	I
5	Inspect brake system.	I	I
6	Inspect engine coolant and windshield washer fluid levels and add fluid as needed.	I	I
7	Inspect suspension and steering components.	I	I

No	Service	Maintenance I	Maintenance II
8	Inspect wiper blades and the operation of exterior lighting.	I	I
9	Inspect drive belts.	I	I
10	Perform any required additional services - see applicable section.	I	I
11	Check for Field Actions.	I	I
	Maintenance 2 - perform all services described in Maintenance 1, plus the following		
12	Replace Brake Fluid.		R
13	Inspect engine cooling system.		I
14	Inspect restraint system components.		I
15	Inspect powertrain and driveline components.		I
16	Lubricate body components.		I

I - Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust or replace.

R - Replace or change.

No	Description	Trax
17	Replace pollen filter	Every 60,000km(40,000 miles) / 2 year
18	Replace air filter	Every 60,000km(40,000 miles) / 4 years
19	Replace spark plugs	Every 60,000km(40,000 miles) / 4 years
20	Replace diesel fuel filter	Every 60,000km(40,000 miles) / 2 years
21	Replace engine coolant	Every 240,000km(160,000 miles) / 5 years

No	Description	Trax
22	Replace automatic transmission oil	Normal conditions : every 150,000km(100,000 miles) / 10 Years
		Severe conditions : every 75,000km(50,000 miles) / 5 Years
23	Replace Auxiliary Belt and Stretch Belt	Every 90,000km/10years
24	Replace Timing	Belt Every 150,000km/ 10years
25	Replace Timing	Chain Every 240,000km / 10 years
26	Inspect Valve clearance for Gasoline and Diesel engine	Every 150,000km / 10 years

Footnotes

Maintenance Item	Note
1	Change engine oil immediately if the change engine oil lamp illuminates in the instruments cluster. If driving under severe conditions : short distance driving, extensive idling or driving in dusty condition, engine oil and the filter may require replacement more often.
2	Fluid loss in any vehicle system could indicate a problem. The system should be inspected and repaired and the fluid level checked. Add fluid if needed.
3 & 17	If driving regularly in dusty conditions, inspect the filter more frequently. If driving regularly in dusty conditions, the filter may require replacement more often.

Maintenance Item	Note
5	Visually inspect brake lines and hoses for, binding, leaks, cracks, chafing, etc. Inspect disc brake pads for wear and discs for surface condition. Inspect drum brake linings/shoes for wear or cracks. Inspect other brake parts, including drums, wheel cylinders, calipers, parking brake, etc.
7	Visually inspect front and rear suspension and steering system for damage, loose or missing parts or signs of wear. Inspect power steering components for, binding, cracks, chafing, etc.
8	Inspect wiper blades for wear, cracking, or contamination. Clean the windshield and wiper blades, if contaminated. Replace wiper blades that are worn or damaged.
12	If driving under severe conditions : driving in hilly or mountainous terrain, or towing a trailer frequently, brake fluid may require replacement more often.
13	Visually inspect hoses and have them replaced if they are cracked, swollen, or deteriorated. Inspect all pipes, fittings, and clamps; replace with genuine parts if needed. To help ensure correct operation, a pressure test of the cooling system and pressure cap and cleaning the outside of the radiator and air conditioning condenser is recommended.
14	Make sure the safety belt reminder light and safety belt assemblies are working correctly. Look for any other loose or damaged safety belt system parts. If you see anything that might keep a safety belt system from doing its job, have it repaired. Ensure any torn or frayed safety belts are replaced.
16	Lubricate all key lock cylinders, door hinges and latches, hood hinges and latches, and trunk lid hinges and latches. More frequent lubrication may be required when exposed to a corrosive environment. Applying silicone grease on weatherstrips with a clean cloth will make them last longer, seal better, and not stick or squeak.

Maintenance Item	Note
20	The diesel fuel filter cartridge may need to be replaced more frequently, based on biodiesel usage, driving in severe dust climate or off-road driving or towing a trailer for extended periods.
General for auto transmission	<p>Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions:</p> <ul style="list-style-type: none"> • In heavy city traffic where the outside temperature regularly reaches 90°F (32°C) or higher. • In hilly or mountainous terrain. • When doing frequent trailer towing. • Uses such as found in taxi, police, or delivery service.
General for belts	Visually inspect belt for fraying, excessive cracks, or obvious damage. Replace belt if necessary.
General all	Check all systems for interference or binding and for damaged or missing parts. Replace parts as needed. Replace any components that has excessive wear.
Tyre condition & inflation pressure	Tyre condition should be inspected before driving and tyre pressure should be checked each time you fill your fuel tank or at least once a month using a tyre pressure gauge.
Wheel alignment	If necessary, rotate and balance wheels.

Additional servicing

Extreme operating conditions

Extreme operating conditions are given when at least one of the following occurs frequently:

- 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.

Police vehicles, taxis and driving school vehicles are also classified as operating under extreme conditions.

Under extreme operating conditions, it may be necessary to have certain scheduled service work done more frequently than the scheduled intervals.

Seek technical advice on the servicing requirements dependent on the specific operating conditions.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that have been tested and approved. Damage resulting from the use of nonapproved materials will not be covered by the warranty.

⚠ Warning

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine Oil

Engine Oil is identified by its Quality and its Viscosity Grade. "Quality" and "Specification" are equivalent terms in this respect. Engine Oil Quality is more important than Viscosity when selecting which Engine Oil to use. The Oil Quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas Viscosity Grade gives information on the oil's thickness over a temperature range.

Engine Oil Quality for Service

dexos 2™

Selecting the right Engine Oil

Selecting the right Engine Oil depends on the proper Oil Specification and SAE Viscosity Grade.

Use and ask for Engine Oils with the dexos™ Certification Logo. Oils meeting the requirements of your vehicle should have the dexos™ Certification Logo on the container.



2398375



C3E9006A

This Logo indicates that the oil has been approved by GM to the dexos™ Specification.

Your vehicle's Engine was filled at 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.

If you are unsure whether your oil is approved to the dexos™ Specification, ask your service provider.

Use of substitute engine oils if dexos is unavailable: In the event that dexos approved engine oil is not available at an oil change or for maintaining proper oil level, you may use substitute engine oil of the qualities mentioned above. Use of oils that do not meet the dexos specification, however, may result in reduced performance under certain circumstances.

Topping up Engine Oil

Engine Oils of different manufacturers and brands can be mixed as long as they comply with the required Engine Oil (Quality and Viscosity).

If Engine Oil of the required Quality is not available, a maximum of 1 Litre of 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.

Engine Oil Additives

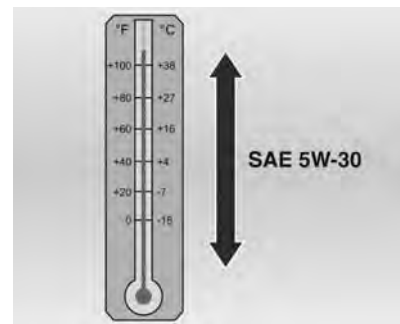
The use of supplemental Engine Oil Additives could cause damage and invalidate the warranty.

Engine Oil Viscosity Grades

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.



TEL119A

SAE 5W-30 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 engine 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-30, 5W-40.
- Down to -25°C and below: 0W-30, 0W-40.

The SAE viscosity grade gives information of the thickness of the oil.

Multi grade oil is indicated by two figures.

The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze.

In countries with moderate climate the coolant provides freeze protection down to approx. -35°C.

In countries with cold climate the coolant provides freeze protection down to approx. -50°C. This concentration should be maintained all year-round.

Maintain a sufficient concentration of anti-freeze.

Coolant additives intended to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of coolant additives will be rejected.

Brake fluid

Only use our authorised brake fluid for this vehicle(DOT 4).

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

Power steering fluid

Only use Dexron VI fluid.

Manual transmission fluid

Only use Castrol BOT 303 fluid.

Automatic transmission fluid

Only use Dexron VI fluid.

Transfer case fluid (AWD)

Only use synthetic hypoid 75W-90 fluid.

Differential carrier assembly fluid (AWD)

Only use synthetic hypoid 75W-90 fluid.

Memo

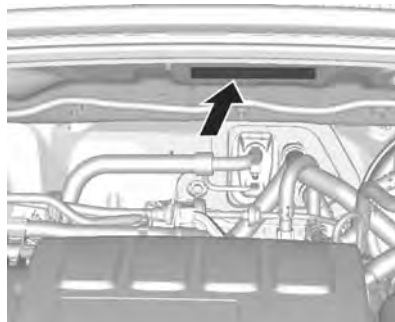
Technical data

Vehicle identification.....309

Vehicle data.....310

Vehicle identification

Vehicle identification number (VIN)



GO3E11001A

The vehicle identification number (VIN) is engraved the centre of the fire wall.

Identification plate



GO3E11002A

The identification plate is on the left side door frame.

Vehicle data

Engine data

Sales designation	1.4	1.6	1.7 Diesel	1.8
Engine identifier code				
Number of cylinders	4	4	4	4
Piston displacement [cm ³]	1364	1598	1686	1796
Engine Power [kW] at rpm	103 / 4900~6000	85 / 6200	96 / 4000	103 / 6200
Torque [Nm] at rpm	200 / 1850~4900	155 / 4000	300 / 2000~2500	178 / 3800
Octane rating RON				
recommended	RON 95	RON 91	N/A for Diesel	RON 95
possible	Over 95 RON	Over 91RON	N/A for Diesel	Over 95 RON

Performance

Engine	1.4	1.6	1.7 Diesel	1.7 Diesel	1.7 Diesel	1.8	1.8
Top speed [km/h] ([mph])	AWD	FWD	FWD	FWD	AWD	FWD	AWD
Manual transmission	194	173	186	-	183	180	-
Automatic transmission	-	-	-	183	-	180	180

Fuel consumption - CO₂-emissions

Engine (MT/AT)	1.4 AWD	1.6 FWD	1.7 FWD	1.7 AWD	1.8 FWD
urban [L/100 km]	7.8 / -	8.3 / -	5.4 / 6.4	5.6 / -	/ 10.5
extra-urban [L/100 km]	5.6 / -	5.6 / -	4.0 / 4.6	4.5 / -	/ 6.0
total [L/100 km]	6.4 / -	6.5 / -	4.5 / 5.3	4.9 / -	/ 7.7
CO ₂ [g/km]	149 / -	153 / -	120 / 139	129 / -	/ 180

Vehicle weight

Min. Curb weight, with driver (75kg)

Engine	1.4	1.6	1.7 Diesel	1.7 Diesel	1.7 Diesel	1.8	1.8
	AWD	FWD	FWD	FWD	AWD	FWD	AWD
Manual transmission	1454	1365	1458	-	1504	1394	-
Automatic transmission	-	-	-	1470	-	1414	1486

Max. Curb weight, with driver (75kg)

Engine	1.4	1.6	1.7 Diesel	1.7 Diesel	1.7 Diesel	1.8	1.8
	AWD	FWD	FWD	FWD	AWD	FWD	AWD
Manual transmission	1556	1467	1560	-	1606	1479	-
Automatic transmission	-	-	-	1572	-	1499	1571

Gross vehicle weight

Engine	1.4	1.6	1.7 Diesel	1.7 Diesel	1.7 Diesel	1.8	1.8
	AWD	FWD	FWD	FWD	AWD	FWD	AWD
Manual transmission	1876	1787	1880	-	1926	1799	-
Automatic transmission	-	-	-	1892	-	1819	1891

Vehicle dimensions

Length [mm]	4248
Width without exterior mirrors [mm]	1766
Width with two exterior mirrors [mm]	2035
Height (without antenna) [mm] w/o roof rack	1674
Length of luggage compartment floor [mm]	730(floor to rear seat backrest)
Tailgate width [mm]	1001(Width between wheel housings)
Tailgate height [mm]	721(height of load sill)
Wheelbase [mm]	2555
Turning circle diameter [m]	10.9 (Curb to Curb @ standard)

Capacities and Specifications

Engine oil

Engine	1.4	1.6	1.7 Diesel	1.8
including Filter [l]	4L	4.5L	5.4L	4.5L
between MIN and MAX [l]	1L	1L	1L	1L

Fuel tank

Petrol, nominal capacity [l]	1.4	1.6	1.7 Diesel	1.8
	53 L	53 L	52L	53 L

Tyre pressures

EU 27+2 GAS

Type	Front[kPa] ([psi])			Rear[kPa] ([psi])		
	1~3Persons		4~5Persons	1~3Persons		4~5Persons
	COMFORT	ECO	GVW	COMFORT	ECO	GVW
205/70R 16	200(29)	270(39)	270(39)	200(29)	280(41)	280(41)
215/55R 18	220(32)	270(39)	270(39)	220(32)	280(41)	280(41)
Compact spare tyre	420(60)					

EU27+2 Diesel

Type	Front[kPa] ([psi])			Rear[kPa] ([psi])		
	1~3Persons		4~5Persons	1~3Persons		4~5Persons
	COMFORT	ECO	GVW	COMFORT	ECO	GVW
205/70R 16	220(32)	270(39)	270(39)	220(32)	280(41)	280(41)
215/55R 18	240(35)	270(39)	270(39)	240(35)	280(41)	280(41)
Compact spare tyre	420(60)					

Non-EU GAS

Type	Front[kPa] ([psi])			Rear[kPa] ([psi])		
	1~3Persons		4~5Persons	1~3Persons		4~5Persons
	COMFORT	ECO	GVW	COMFORT	ECO	GVW
205/70R 16	200(29)	200(29)	200(29)	200(29)	200(29)	200(29)
215/55R 18	220(32)	220(32)	220(32)	220(32)	220(32)	220(32)
Compact spare tyre	420(60)					

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Vehicle data recording and privacy

Vehicle data recording and privacy

The vehicle has a number of computers that record information about the vehicle's performance and how it is driven. For example, the vehicle uses computer modules to monitor and control engine and transmission performance, to monitor the conditions for airbag deployment and deploy them in a crash, and, if equipped, to provide antilock braking to help the driver control the vehicle. These modules may store data to help the dealer technician service the vehicle. Some modules may also store data about how the vehicle is operated, such as rate of fuel consumption or average speed. These modules may retain personal preferences, such as radio presets, seat positions, and temperature settings.

Vehicle Data Recording

Vehicle Data Recording

This vehicle may be equipped with a module that records data in certain crash or near crash-like situations, such as when an air bag deploys or the vehicle hits a road obstacle. This data could help provide a better understanding of the circumstances in which crashes and injuries occur. Some data may be related to the vehicle dynamics and safety systems operation.

The data may show:

- How various systems in the vehicle were operating.
- Whether or not the driver and passenger safety belts were buckled/fastened.
- If and how far the driver was pressing the accelerator and/or brake pedal.
- How fast the vehicle was traveling.

This data could provide an understanding of the circumstances in which crashes and injuries occur. Data could be recorded by the vehicle only if a non-trivial crash situation occurs; no data are recorded under normal driving conditions and no personal data are recorded. However, other parties, such as law enforcement, could combine recorded data with the type of personally identifying data routinely acquired during a crash investigation.

To read recorded data, special equipment is required, and access to the vehicle or the module is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the module.

GM will not access this data or share it with others except: with the consent of the vehicle owner or, if the vehicle is leased, with the consent of the lessee; in response to an official request by police or similar government office; as part of GM's defense of litigation through the discovery process; or, as required by law. Data that GM collects or receives may also be used for GM research needs or may be made available to others for research purposes, where a need is shown and the data is not tied to a specific vehicle or vehicle owner.

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