

# **PJ ASTRA**

## **OWNER'S HANDBOOK**



**HOLDEN**

GM Holden Ltd, ABN 84 006 893 232 (hereinafter Holden)

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If you drive a pre-owned Holden, have moved house or changed any of your details, we'd like to hear from you!

Holden uses your details to keep your vehicle's factory provided Roadside Assistance and Warranty details up to date.

It also helps us let you know if there is an existing safety recall or rework on your vehicle. To update your details, please take a few minutes to fill in and mail the form at the back of the Service/Warranty booklet or visit Holden's website at: [www.holden.com.au/forms/change-of-owner-details](http://www.holden.com.au/forms/change-of-owner-details)

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**Note:** Please refer to the inside front cover of the Service/Warranty booklet for the Vehicle Identification Certificate.

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## Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This handbook applies to the current Astra model. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

## 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.


## 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.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.


- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Display messages and interior labelling are written in **bold** letters.

## 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.

## Symbols


Page references are indicated with ⇨.  
⇨ means "see page".

## In brief

### Initial drive information


#### Vehicle unlocking



Press  to unlock the doors, tailgate and fuel filler flap. Open the doors by pulling the handles.



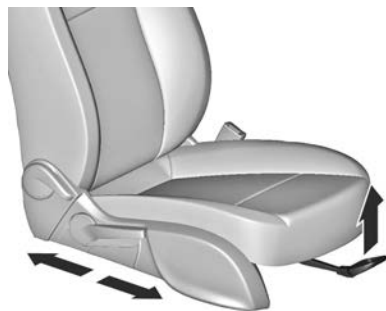
To open the tailgate, push the brand emblem at the bottom half.

If equipped, press  on remote control to unlock and open the tailgate. The doors remain locked.

Radio remote control ⇨ 20, Central locking system ⇨ 21, Load compartment ⇨ 23.

## Seat adjustment

### Seat positioning



Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

Seat position ⇨ 33, Seat adjustment ⇨ 33.

### **⚠ Danger**

Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

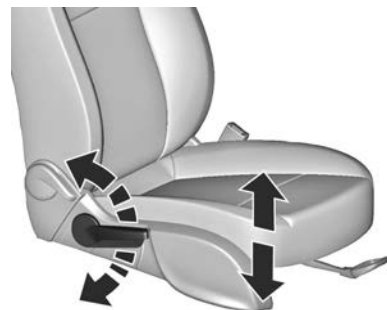
### Seat backrests



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

Seat position ⇨ 33, Seat adjustment ⇨ 33, Seat folding ⇨ 36.

### Seat height

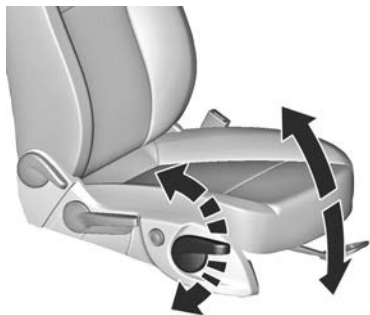


Lever pumping motion

up = seat higher  
down = seat lower

Seat position ⇨ 33, Seat adjustment ⇨ 33.

### Seat inclination



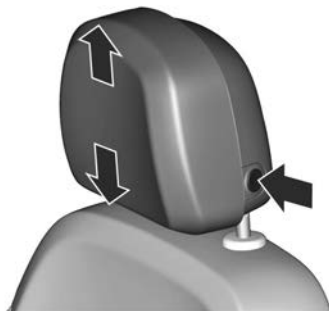
Lever pumping motion

up = front end higher  
down = front end lower

Seat position ⇨ 33, Seat adjustment  
⇨ 33.

### Head restraint adjustment

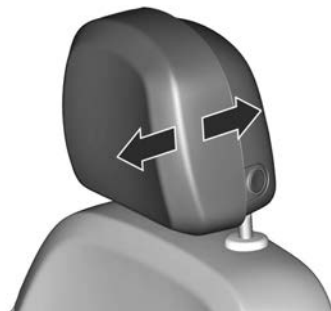
#### Height adjustment



Press and hold button, adjust height,  
release button to engage.

Head restraints ⇨ 31.

#### Horizontal adjustment



To adjust horizontally, pull the lower  
front portion of the head restraint  
forwards. It engages in several  
positions.

To return to its rearmost position, pull  
fully forwards and release.

## Seat belt



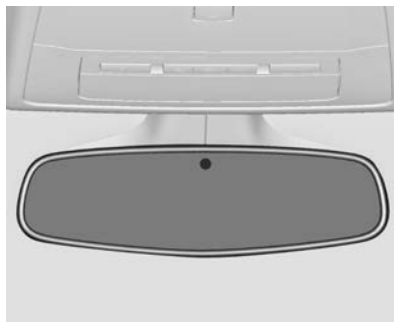
Pull out the seat belt and engage in belt buckle. The seat belt must not be twisted and must fit close against the body. The backrest must not be tilted back too far (maximum approx. 25 °).

To release belt, press red button on belt buckle.

Seat position ↗ 33, Seat belts  
↗ 38, Airbag system ↗ 41.

## Mirror adjustment

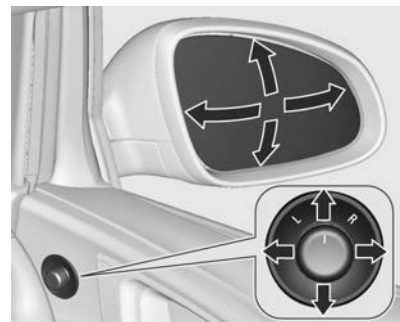
### Interior mirror



Dazzle from following vehicles at night is automatically reduced.

Automatic anti-dazzle interior mirror  
↗ 27.

### Exterior mirrors



Select the relevant exterior mirror and adjust it.

Convex exterior mirrors ↗ 26,  
Electric adjustment ↗ 26, Folding  
exterior mirrors ↗ 26, Heated  
exterior mirrors ↗ 26.

## Steering wheel adjustment

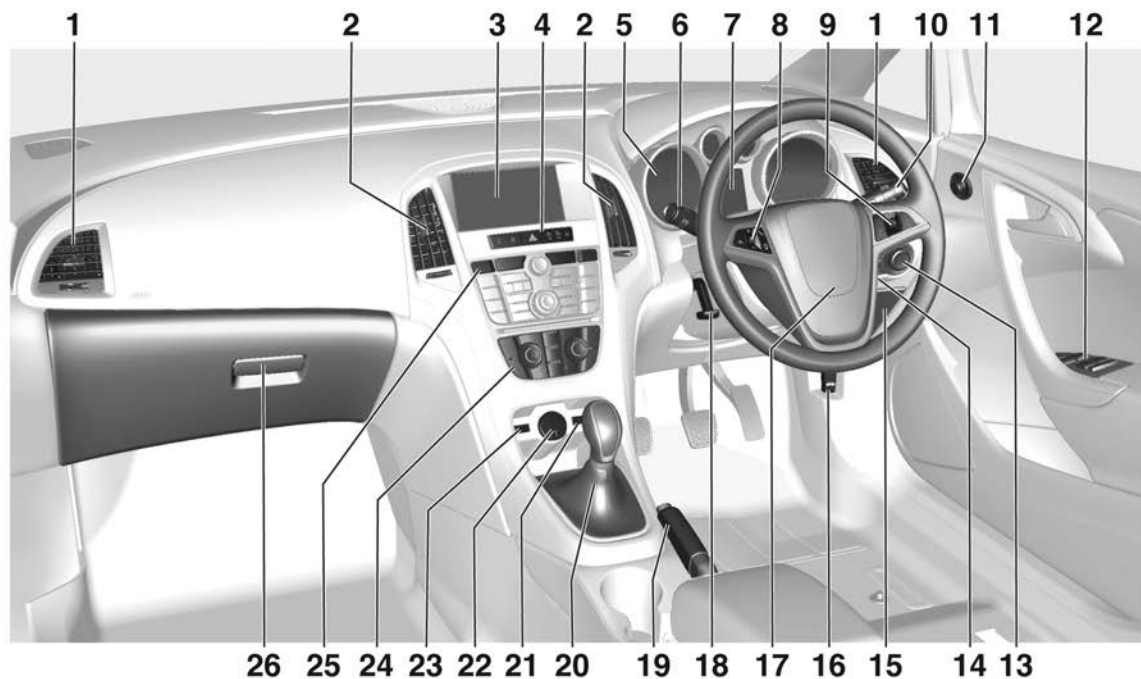


Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked.

Do not adjust the steering wheel unless the vehicle is stationary and the steering wheel lock has been released.

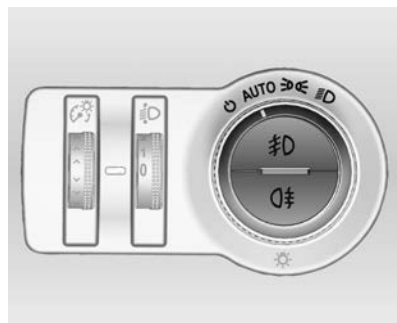
Airbag system ⇨ 41, Ignition positions ⇨ 172.

## Instrument panel overview



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## Exterior lighting



### Automatic light control

Turn light switch:

- AUTO** = automatic light control:  
exterior lighting is switched  
on and off automatically
- ☀ = activation or deactivation of  
the automatic light control,  
switch turns back to **AUTO**
- ☀ = parking lights
- ☀ = headlights and parking  
lights

### Fog lights

Press light switch:

☀ = front fog lights

☀ = rear fog light

Lighting ⇨ 84.

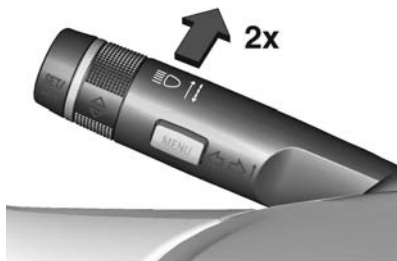
### Headlight flash, high beam and low beam



- headlight flash = pull lever
- high beam = push lever
- low beam = push or pull lever  
from high beam

Automatic light control ⇨ 85, High  
beam ⇨ 85, Headlight flash ⇨ 86,  
Adaptive forward lighting ⇨ 87.

## High beam assist



The high beam assist is activated by pushing the indicator lever twice with a speed above 40 km/h.

The green control indicator  $\equiv \text{D}$  illuminates continuously when the assist is activated, the blue  $\equiv \text{D}$  illuminates when high beam is on.

To deactivate the high beam assist push indicator lever once.

High beam assist  $\hookrightarrow$  85, control indicator  $\equiv \text{D}$   $\hookrightarrow$  73.

## Turn and lane-change signals



lever up = right turn signal  
 lever down = left turn signal

Turn and lane-change signals  
 $\hookrightarrow$  91, Parking lights  $\hookrightarrow$  92.

## Hazard warning flashers



Operated by pressing  $\triangle$ .

Hazard warning flashers  $\hookrightarrow$  90.

## Horn



Press .

## Washer and wiper systems

### Windscreen wiper



**HI** = fast

**LO** = slow

**INT** = interval wiping or automatic wiping with rain sensor

**OFF** = off

For a single wipe when the windscreen wiper is off, press the lever down to position **1x**.

Windscreen wiper ⇨ 60, Wiper blade replacement ⇨ 214.

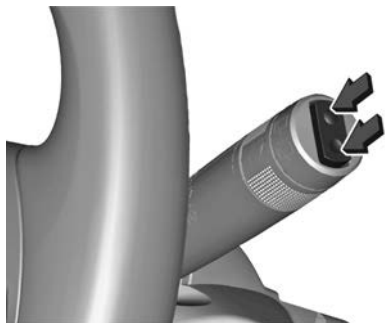
### Windscreen and headlight washer



Pull lever.

Windscreen and headlight washer system ⇨ 60, Washer fluid ⇨ 211.

### Rear window wiper



Press the rocker switch to activate the rear window wiper:

- upper switch = continuous operation
- lower switch = intermittent operation
- middle position = off

### Rear window washer



Push lever.

Washer fluid is sprayed on the rear window and the wiper wipes a few times.

Rear window wiper/washer ⇨ 62.

### Climate control


Heated rear window, heated exterior mirrors

Air conditioning system



### Electronic climate control system



The heating is operated by pressing .

Heated rear window ⇨ 29.

### Demisting and defrosting the windows

#### Air conditioning system



### Electronic climate control system



Press .

Set the temperature control to the highest level.

Heated rear window  on.

Climate control system ⇨ 162.

## Transmission

### Manual transmission

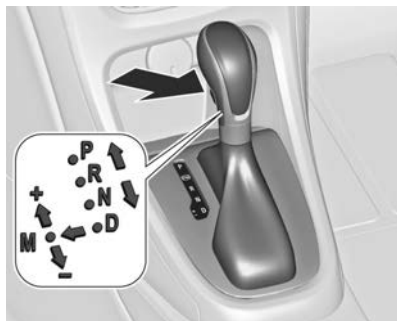


Reverse: with the vehicle stationary, wait 3 seconds after depressing clutch pedal and then press the release button on the selector lever and engage the gear.

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

Manual transmission ⇨ 181.

### Automatic transmission



**P** = park

**R** = reverse

**N** = neutral

**D** = automatic mode

**M** = manual mode: move selector lever from **D** to the left.

**+** = manual mode upshifting

**-** = manual mode downshifting

The selector lever can only be moved out of **P** when the ignition is on and the brake pedal is applied. To engage **P** or **R**, press the release button.

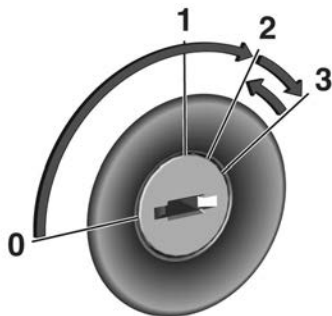
Automatic transmission ⇨ 178.

## Starting off

### Check before starting off

- Tyre pressure and condition ⇨ 229, ⇨ 260.
- Engine oil level and fluid levels ⇨ 209.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats, and seat belts ⇨ 26, ⇨ 33, ⇨ 39.
- Brake function at low speed, particularly if the brakes are wet.

## Starting the engine



- Turn key to position **1**.
- Move the steering wheel slightly to release the steering wheel lock.
- Manual transmission: Operate clutch.
- Automatic transmission in **P** or **N** and operate brake.
- Do not operate accelerator pedal.
- Turn key to position **3** and release.

Starting the engine ⇨ 173.

## Stop-start system



Stop-start system is fitted to manual transmission vehicles only.

If the vehicle is at a low speed or at a standstill and certain conditions are fulfilled, activate an Autostop as follows:

- Depress the clutch pedal.
- Set the lever in neutral.
- Release the clutch pedal.

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.


To restart the engine, depress the clutch pedal again.


Stop-start system ⇨ 174.

## Parking

### Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress foot brake at the same time to reduce operating force.

For vehicles with electric parking brake, pull switch  for approx. one second.

The electric parking brake is applied when control indicator  illuminates ⇨ 70.


- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever

to position **P** before removing the ignition key. On an uphill slope, turn the front wheels away from the kerb.

If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position **P** before removing the ignition key. Turn the front wheels towards the kerb.

- Close the windows.
- Remove the ignition key. Turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.

- Lock the vehicle by pressing  on the radio remote control.
- The engine cooling fans may run after the engine has been switched off ⇨ 205.

### Caution

After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off, in order to protect the turbocharger.

Keys, locks ⇨ 19, Storing the vehicle for a long period of time ⇨ 204.

## Keys, doors and windows

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## Keys, locks

### Keys

#### Replacement keys

The key number is specified in the Car Pass or on a detachable tag.

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

Locks ⇨ 247.

#### Lock cylinders

Designed to free-wheel if they are forcefully rotated without the correct key or if the correct key is not fully inserted. To reset, turn cylinder with the correct key until its slot is vertical, remove key and then re-insert it. If the cylinder still free-wheels, turn the key through 180° and repeat operation.

## Key with foldaway key section



Press button to extend. To fold the key, first press the button.

## Car Pass

The Car Pass contains security related vehicle data and should therefore be kept in a safe place.

When the vehicle is taken to a Holden dealer, this vehicle data is needed in order to perform certain operations.

## Radio remote control



Used to operate:

- central locking system
- power windows

The radio remote control has a range of approx. 20 metres. It can be restricted by external 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 is exceeded.
- Battery voltage is too low.
- Frequent, repeated operation of the radio remote control while not in range, which will require re-synchronisation.
- 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.

Unlocking ⇨ 21.

### Basic settings

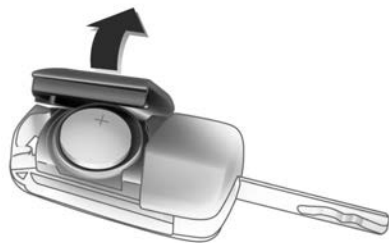
Some settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

### Radio remote control battery replacement

Replace the battery as soon as the range reduces.



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



Extend the key and open the unit. Replace the battery (battery type CR 2032), paying attention to the installation position. Close the unit and synchronise.

## Radio remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock. The radio remote control is synchronised by switching on the ignition.

## Memorised settings

Whenever the key is removed from the ignition switch, the following settings are automatically memorised by the key:

- lighting
- Infotainment system
- central locking system
- Sport mode settings
- comfort settings

The saved settings are automatically used the next time the memorised key is inserted into the ignition switch and turned to position 1 ↗ 172.

A precondition is that **Personalisation by driver** is activated in the infotainment system.

Vehicle personalisation ↗ 82.

## Central locking system

Unlocks and locks doors, tailgate and fuel filler flap.

A pull on an interior door handle unlocks the respective door. Pulling the handle once more opens the door.

### Note

In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.

### Note




A short time after unlocking with the remote control, the doors are relocked automatically if no door has been opened.

## Unlocking



Press .

Two settings are selectable:

- To unlock only the driver's door, tailgate and fuel filler flap, press  once. To unlock all doors, press  twice.
- Press  once to unlock all doors, tailgate and fuel filler flap.

The setting can be changed in the Settings menu in the Info-Display. Vehicle personalisation ↗ 82.

The setting can be saved for the key being used. Memorised settings  
⇒ 21.

Unlocking and opening the tailgate  
⇒ 23.

### Locking

Close doors, tailgate and fuel filler flap.



Press .

If the driver's door is not closed properly, the central locking system will not work.

### Central locking buttons

Locks or unlocks all doors, the tailgate and fuel filler flap from inside the passenger compartment.




Press  to lock.

Press  to unlock.

### Fault in radio remote control system

#### Unlocking



Manually unlock the driver's door by turning the key in the lock. Switch on the ignition and press the central locking button  to unlock the other doors, tailgate and fuel filler flap.

#### Locking

Manually lock the driver's door by turning the key in the lock.

## Fault in central locking system

### Unlocking

Manually unlock the driver's door by turning the key in the lock. The other doors can be opened by pulling the interior handle twice. The tailgate and fuel filler flap cannot be opened.

### Locking

Push inside locking knob of all doors except driver's door. Then close the driver's door and lock it from the outside with the key. The fuel filler flap and tailgate cannot be locked.

## Automatic locking

This security feature can be configured to automatically lock all doors, tailgate and fuel filler flap as soon as a certain speed is exceeded.

Additionally it is configurable to unlock the driver's door or all doors after the ignition is switched off and the ignition key is removed (manual transmission) or the selector lever is moved to position **P** (automatic transmission).

Settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

The settings can be saved for the key being used ⇨ 21.


## Doors

### Load compartment


### Tailgate

#### Opening



Press  on radio remote control (if equipped) or push the brand emblem at the bottom half to unlock and open the tailgate.



If equipped, pressing  opens the tailgate even if the doors are locked.

### Closing



Use one of the interior handles.

Do not push the touchpad switch or the emblem whilst closing as this will unlock the tailgate again.

Central locking system ⇨ 21.

### General hints for operating tailgate

#### Danger

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which cannot be seen or smelled, could enter the vehicle. This can cause unconsciousness and even death.

#### Caution

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

### Note


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

## Vehicle security

### Immobiliser

The system is part of the ignition switch and checks whether the vehicle is allowed to be started with the key being used.

The immobiliser is activated automatically after the key has been removed from the ignition switch.

If the control indicator  flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and repeat the start attempt.

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

#### **Note**

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it.

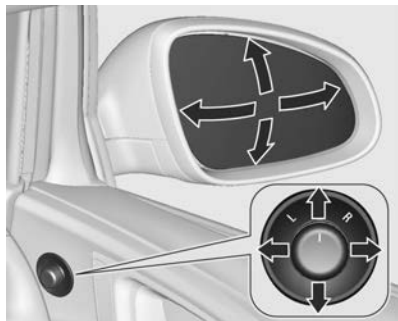
Control indicator  → 73.

## Exterior mirrors

### Convex shape

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

### Electric adjustment



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

In position **0** no mirror is selected.

### Folding mirrors



For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

## Heated mirrors

### Air conditioning system



## Electronic climate control system

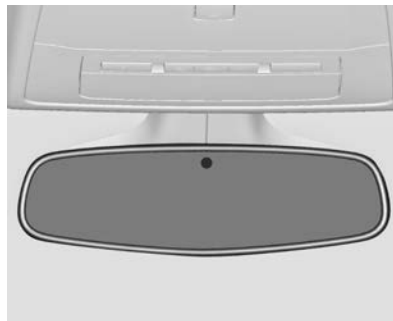


Operated by pressing .

Heating works with the engine running and is switched off automatically after a short time.

## Interior mirrors

### Automatic anti-dazzle



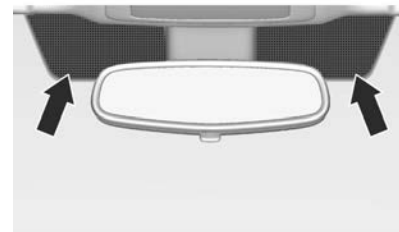
Dazzle from following vehicles at night is automatically reduced.

## Windows

### Windscreen

#### Heat-reflecting windscreen

The heat-reflecting windscreen has a coating which reflects solar radiation. Also data signals, e.g. from toll stations, might be reflected.



The marked areas on the windscreen are not covered with the coating. Devices for electronic data recording and fee payment must be attached in these areas. Otherwise data recording malfunctions may occur.

### Windscreen stickers

Do not attach stickers such as toll road stickers or similar on the outside of the windscreen in the area of the interior mirror. Otherwise the detection zone of the sensor and the view area of the camera in the mirror housing could be restricted.

### Power windows

#### Warning

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

Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Power windows can be operated:

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



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

Pushing or pulling gently to the first detent: window moves up or down as long as the switch is operated.

Pushing or pulling firmly to the second detent and then releasing: window moves up or down automatically with safety function enabled. To stop movement, operate the switch once more in the same direction.

### Safety function

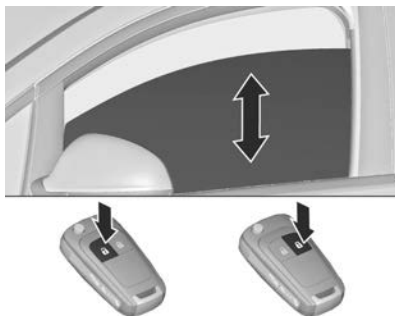
If the window glass encounters resistance above the middle of the window during automatic closing, it is immediately stopped and opened again.

### Override safety function

In the event of closing difficulties due to frost or the like, switch on the ignition, then pull the switch to the first detent and hold. The window moves up without safety function enabled. To stop movement, release the switch.

### Operating windows from outside

The windows can be operated remotely from outside the vehicle.



Press and hold  to open windows.

Press and hold  to close windows.

Release button to stop window movement.

If the windows are fully opened or closed, the hazard warning lights will flash twice.

### Overload

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

### Initialising the power windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), a warning message or a warning code is displayed in the Driver Information Centre.

Vehicle messages ⇨ 80.

Activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Pull switch until the window is closed and keep pulling for additional 2 seconds.
4. Repeat for each window.

### Heated rear window

### Air conditioning system



## Electronic climate control system



Operated by pressing .

Heating works with the engine running and is switched off automatically after a short time.

## Sun visors

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

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

A ticket holder is located on the backside of the sun visor.

## Seats, restraints

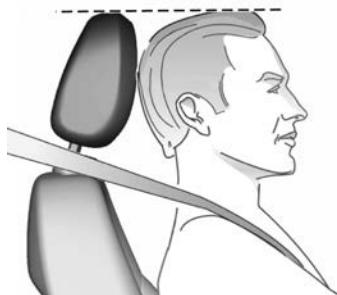
Head restraints .....	31
Front seats .....	33
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## Head restraints

### Position

#### Warning

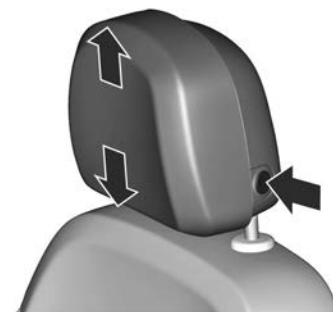
Only drive with the head restraint set to the proper position.



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

## Adjustment

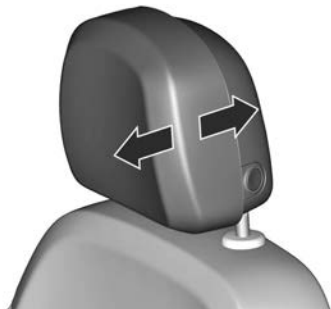
### Head restraints on front seats



### Height adjustment

Press and hold button, adjust height, release button to engage.

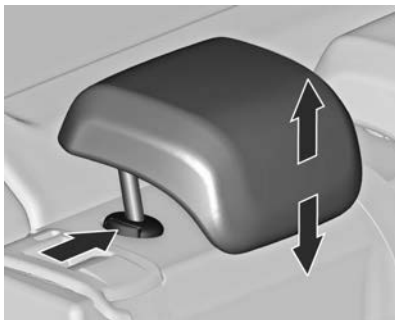
### Horizontal adjustment



To adjust horizontally, pull the lower front portion of the head restraint forwards. It engages in several positions.

To return to its rearmost position, pull fully forwards and release.

### Head restraints on rear seats



#### Height adjustment

Pull the head restraint upwards or press the catch to release and push the head restraint downwards.

#### Removal

Press both catches, pull the head restraint upwards and remove.

### Active head restraints

In the event of a rear-end impact, the front parts of the active head restraints are moved slightly

forwards. Thus the head is supported so that the risk of whiplash injury is reduced.

#### Note

Approved accessories may only be attached if the seat is not in use.

## Front seats

### Seat position

#### **⚠ Warning**

Only drive with the seat correctly adjusted.



- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.

- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust the steering wheel ↻ 59.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint ↻ 31.
- Adjust the thigh support so that there is a space approx. two fingers wide between the edge of the seat and the hollow of the knee ↻ 33.
- Adjust the lumbar support so that it supports the natural shape of the spine ↻ 33.

### Seat adjustment

#### **⚠ Danger**

Do not sit nearer than 25 cm from the steering wheel, to permit safe airbag deployment.

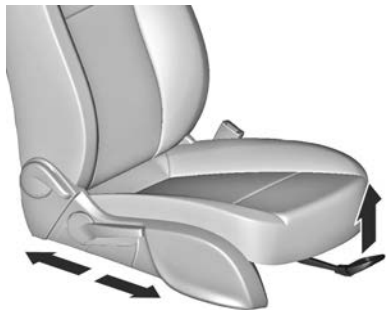
#### **⚠ Warning**

Never adjust seats while driving as they could move uncontrollably.

#### **⚠ Warning**

Never store any objects under the seats.

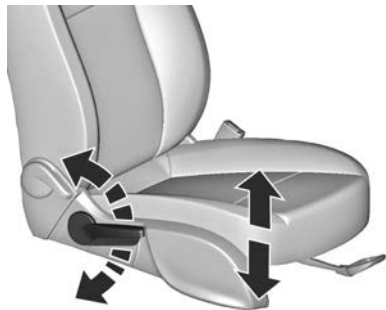
Drive only with engaged seats and backrests.

**Seat positioning**

Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

**Seat backrests**

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

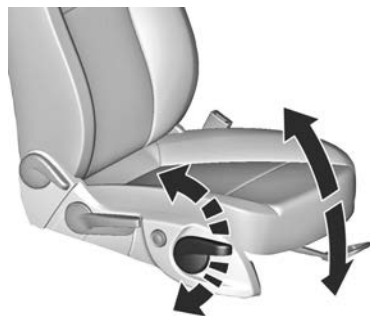
**Seat height**

Lever pumping motion

up = seat higher

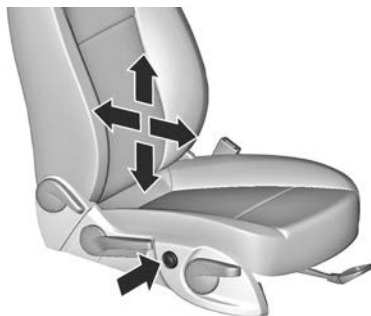
down = seat lower

### Seat inclination



Lever pumping motion  
up = front end higher  
down = front end lower

### Lumbar support

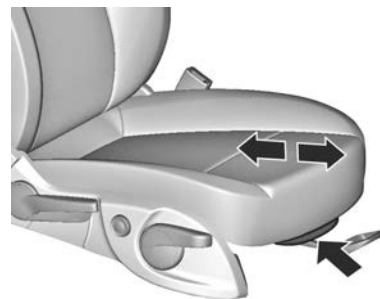


Adjust lumbar support using the four-way switch to suit personal requirements.

Moving support up and down: push switch up or down.

Increasing and decreasing support: push switch forwards or backwards.

### Adjustable thigh support



Pull the lever and slide the thigh support.

### Side bolster, VXR version



Adjust seat width and backrest width using the switches to suit personal requirements.

Operate front rocker switch to change seat width.

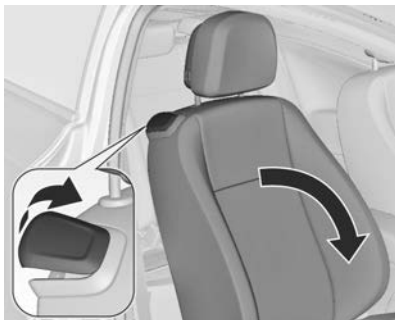
Operate rear rocker switch to change backrest width.

### Seat folding

#### Caution

When seat height is in highest position, push head restraints down and lift up sun visors before folding backrest forwards.

#### Seat folding on manual operated seats



Lift release lever and fold backrest forwards. Slide seat forwards.

To restore, slide the seat backwards. Move the backrest against the resistance to the upright position and engage.

The memory function allows the seat to engage in its original position.

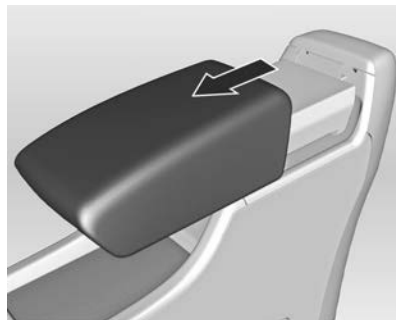
Do not operate backrest inclination lever while backrest is tilted forward.



The illustration shows the release lever on VXR seat.

**⚠ Danger**


Move the backrest to an upright position before folding to avoid injury.

**Armrest**

The armrest can be slid forwards by 10 cm. Under the armrest there is a storage compartment.

Armrest storage ⇨ 51.

**Heating**

Adjust heating to the desired setting by pressing  for the respective seat one or more times. The control indicator in the button indicates the setting.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

Seat heating is operational when engine is running and during an Autostop.

Stop-start system ⇨ 174.

**Rear seats****Armrest**

Fold armrest down. The armrest contains cupholders and a storage box.

## Seat belts



The seat belts are locked during heavy acceleration or deceleration of the vehicle holding the occupants in the sitting position. Therefore the risk of injury is considerably reduced.

### **⚠ Warning**

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

### **⚠ Warning**

Seatbelts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seatbelts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seatbelt adjusting devices from operating to remove slack, or prevent the seatbelt assembly from being adjusted to remove slack.




### **⚠ Warning**

The openings in the backrests of the VXR seats are not designed to mount or carry through any kind of additional seat belts.

**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.

**Seat belt reminder**

Front seats are equipped with a seat belt reminder, indicated for driver seat as control indicator  in the tachometer  69 and for passenger seat in the centre console  67.

**Belt force limiters**



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

**Belt pretensioners**

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

 **Warning**

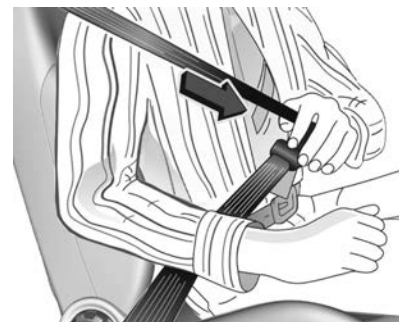
Incorrect handling (e.g. removal or fitting of belts) can trigger the belt pretensioners.

Deployment of the belt pretensioners is indicated by continuous illumination of control indicator   69.

Triggered belt pretensioners must be replaced by a Holden dealer. Belt pretensioners can only be triggered once.

**Note**

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

**Three-point seat belt****Fastening**

Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Tighten the lap belt regularly whilst driving by pulling the shoulder belt.



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

### **⚠ Warning**

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

Seat belt reminder 🚗 69.

### **Removing**



To release belt, press red button on belt buckle.

### **Seat belts on the rear seats**

The seat belt for the rear centre seat can only be withdrawn from the retractor if the backrest is engaged in upright position.

### **Using the seat belt while pregnant**



### **⚠ Warning**

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

## Airbag system

The airbag system consists of a number of individual systems depending on the scope of equipment.

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.

### Note

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

Do not affix any objects onto the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a Holden dealer. Furthermore, it may be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced.

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

When the airbags inflate escaping hot gases may cause burns.

Control indicator  for airbag systems  
↪ 69.

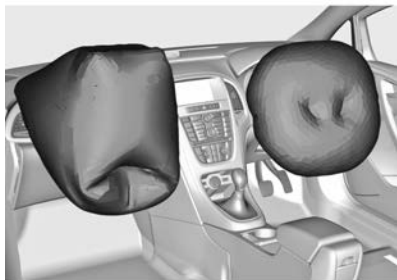
## Front airbag system

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



Additionally there is a warning label on the side of the instrument panel, visible when the front passenger door is open, or on the front passenger sun visor.

The front airbag system is triggered in the event of a front-end impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and head of the front seat occupants considerably.

### Warning

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

Seat position ⇨ 33.

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

Fit the seat belt correctly and engage securely. Only then is the airbag able to protect.

### Warning

#### **EXTREME HAZARD!**

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

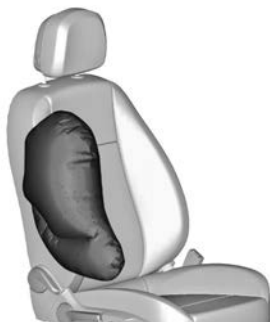
The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

## Side airbag system



The side airbag system consists of an airbag in each front seat backrest. This can be identified by the word **AIRBAG**.

The side airbag system is triggered in the event of a side impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and pelvis in the event of a side-on collision considerably.

#### Warning

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

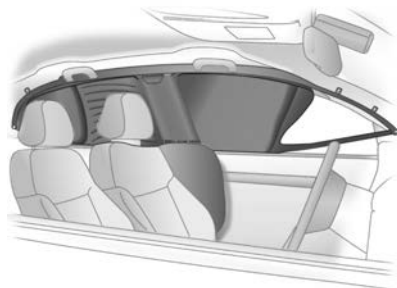
#### Note

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

### Curtain airbag system

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.

The curtain airbag system is triggered in the event of a side-on impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the head in the event of a side-on impact considerably.

#### 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.

## 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.



There is a warning label on the side of the instrument panel, visible when the front passenger door is open, or on the front passenger sun visor.

#### 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

This manual provides you with general information concerning child restraints only. The driver is required by law to ensure that passengers are suitably restrained.

In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints and/or certain locations within the vehicle. Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint and seat location is suitable for your child.

Children should be restrained at all times when travelling in a vehicle.

Always ensure that the seat belt fits firmly around the child restraint, as applicable to the type of restraint used.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

### **Warning**

It is safest for children to be seated in the rear seat.

Only child restraints that have clips to attach to the vehicle's anchorage fitting are to be used. Earlier types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. You should only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Australian States and Territories and New Zealand have laws restricting the seating of children

in the front passenger seat. In most jurisdictions, children under 4 years should not be seated in the front passenger seat. Check your local road safety regulations before seating a child in the front seat. Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passenger seat as far back as it will go.

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

Always follow the child restraint manufacturer's fitting instructions when installing a child restraint into the vehicle.

### **Selecting the right system**

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

Your child should travel facing backwards in the vehicle, until as old as possible. It is appropriate to change the system when the child's head can no longer be properly supported at eye height. The child's cervical vertebrae are still very weak and in an accident they suffer less stress in the semi-prone rearward position than when sitting upright.

Never carry a child whilst 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 seat 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 seat 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 centre seat
<b>Group 0: up to 10 kg</b> or approx. 10 months	X	U <sup>1</sup>	U
<b>Group 0+: up to 13 kg</b> or approx. 2 years	X	U <sup>1</sup>	U
<b>Group I: 9 to 18 kg</b> or approx. 8 months to 4 years	X	U <sup>1</sup>	U
<b>Group II: 15 to 25 kg</b> or approx. 3 to 7 years	X	U <sup>1</sup>	U
<b>Group III: 22 to 36 kg</b> or approx. 6 to 12 years	X	U <sup>1</sup>	U

U = Universal suitability in conjunction with three-point seat belt.

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


1 = Seat available with ISOFIX and Top-Tether mounting brackets.

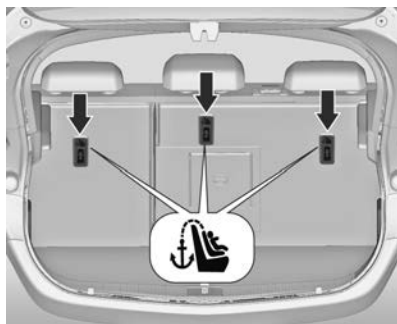
## ISOFIX child restraint systems



Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets. Specific vehicle ISOFIX child restraint system positions are marked in the table. ISOFIX mounting brackets are indicated by a label on the backrest.


## Top-tether fastening eyes

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



The fastening eyes are on the backside of rear seats.

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  47.

## Storage

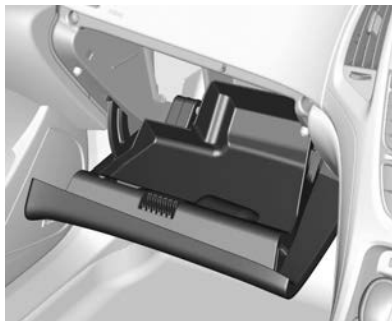
Storage compartments .....	49
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## Storage compartments

### ⚠ Warning

Do not store heavy or sharp objects in the storage compartments. Otherwise, the storage compartment lid could open and vehicle occupants could be injured by objects being thrown around in the event of hard braking, a sudden change in direction or an accident.

## Glovebox

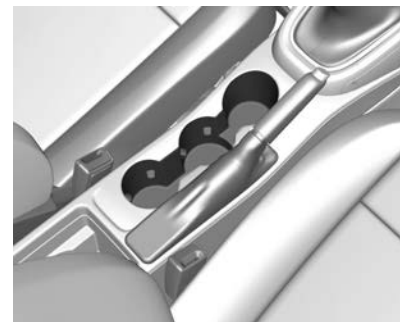


The glovebox features a pen holder and a coin holder.

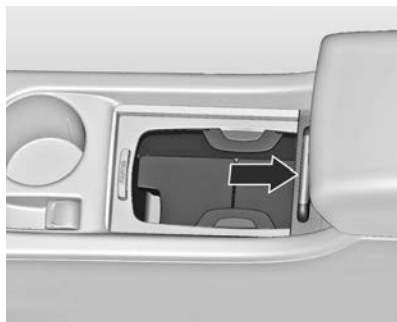
### ⚠ Warning

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

## Cupholders



Cupholders are located in the centre console.

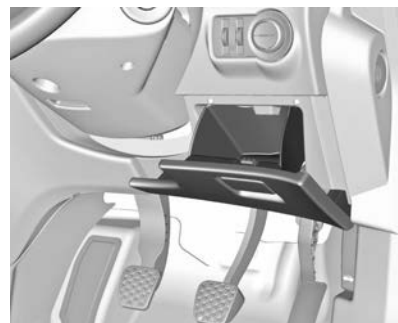


Depending on the version, cupholders are located under a cover in the centre console. Slide cover backwards. Bottles can be stowed after folding up the intermediate shelf ➔ 51.



Additional cupholders are located in the rear armrest. Fold down the armrest.

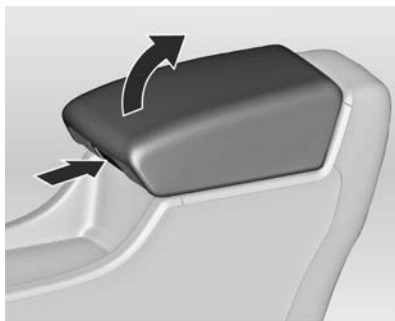
## Front storage



A storage compartment is located next to the steering wheel.

## Armrest storage

### Storage under the front armrest



Press button to fold up the armrest. The armrest must be in rearmost position.

## Storage in the rear armrest



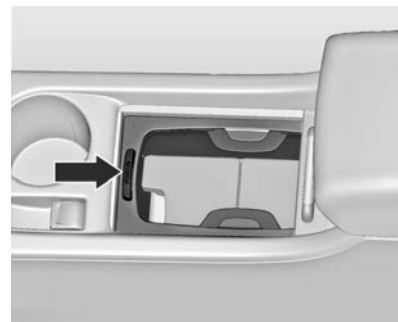
Fold down armrest and open cover. Close cover before folding the armrest up.

## Centre console storage

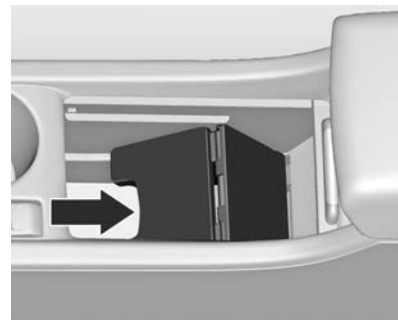
### Front console

Depending on the version, a storage compartment is located under a cover.

Slide cover backwards.



Press button to remove the frame of the cupholder. The frame can be stowed in the glovebox.



A further storage compartment is located under the intermediate shelf. Fold up the intermediate shelf and fix it in the vertical position. The frame of the cupholder can be reintegrated to stow bottles.

### Rear console



Depending on version a storage drawer is located at the back of the console.

Pull out the drawer.

### Caution

Do not use for ash or for other combustible items.

## Load compartment

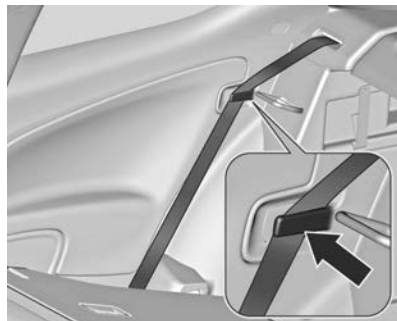
The rear seat backrest is divided into two parts. Both parts can be folded down.

### Load compartment extension

- Remove the load compartment cover if necessary.
- Press and hold the catch to push the head restraints down ⇨ 31.
- Fold up the rear armrest.



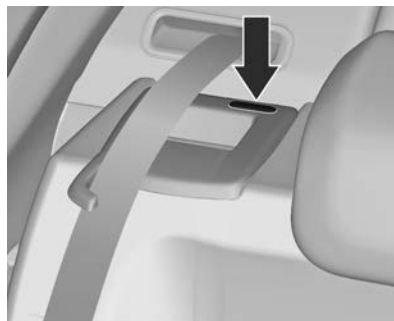
- Guide the seat belts through side supports to protect them against damage. When folding the backrests, pull the seat belts along with them.
- Pull the release lever on one or both sides and fold down the backrests onto the seat cushion.



- Take the seat belt out of the seat backrest guide and put it behind the retainer as shown in the illustration.

To fold up, raise the backrests and guide them into an upright position until they engage audibly.

Ensure that the seat belts of the outboard seats are placed in the corresponding belt guides.

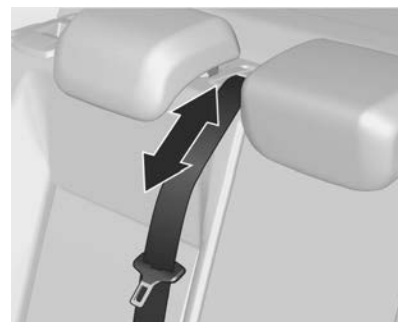


The backrests are properly engaged when the red marks on both sides near the release lever are no longer visible.

#### **⚠ Warning**

When folding up, ensure that backrests are securely locked in position before driving. Failure to do so may result in personal injury

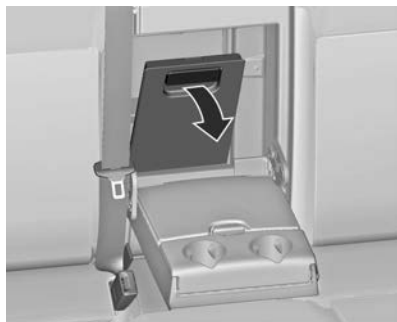
or damage to the load or vehicle in the event of hard braking or a collision.



The seat belt of the centre seat could be blocked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

#### **Open the pass-through in the rear centre backrest**

- Fold down the rear armrest.



■ Pull the grip and open the cover.  
Suitable for loading long, narrow objects.

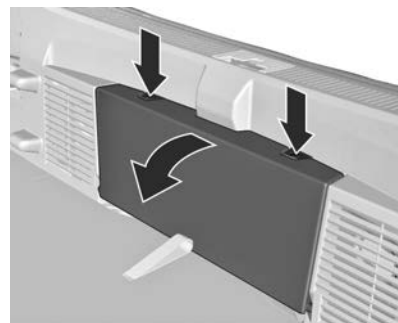
Ensure that the cover engages after folding up.



The closed cover can be secured from the side of the load compartment. Turn the knob 90°:

knob horizontal = cover secured from the side of the passenger compartment  
knob vertical = cover not secured

## Rear storage



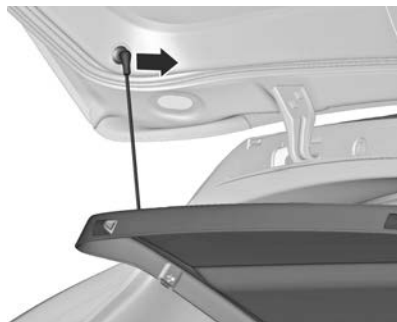
Press both buttons and fold down cover.

Maximum load: 0.5 kg.

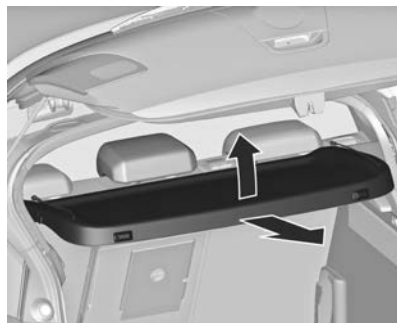
## Load compartment cover

Do not place any objects on the cover.

## Removing



Unhook retaining straps from tailgate.



Lift cover at the rear and push it upwards at the front.

Remove the cover.

If the height adjustable cover is mounted in the middle or upper position, the load compartment cover can be stowed below it.

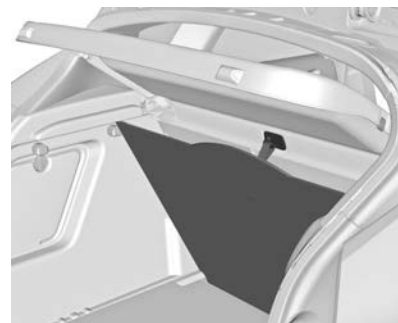
Height adjustable cover ⇨ 55.

## Fitting

Engage cover in side guides and fold downwards. Attach retaining straps to tailgate.

## Rear floor storage cover

### Rear floor cover

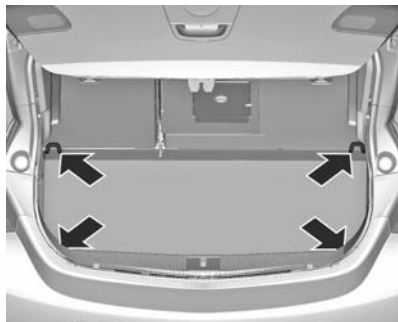


The rear floor cover can be lifted. Hinge the loop into the hook on the lower side of the load compartment cover.

### Caution

Only use the hook for hanging up the rear floor cover and the height adjustable cover.

## Lashing eyes



The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or luggage net.

## Roof rack system

### Roof rack

Follow the installation instructions and remove the roof rack when not in use.

#### Warning

For safety reasons, and to avoid damaging the roof, use only the roof rack approved by Holden for your vehicle. The maximum allowable roof load (including the weight of the roof racks) is 75 kg.

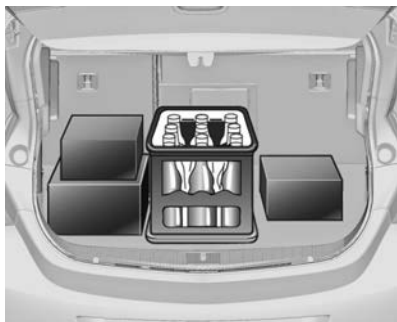
Roof rack loads alter the handling of a vehicle due to a change in the centre of gravity.

### Mounting roof rack

Detach the cover from each mounting point by using a coin.



## Loading information



- Heavy objects in the load compartment should be placed against the seat backrests. Ensure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to the lashing eyes ⇨ 56. Attach the height adjustable cover in the lowest position (1) ⇨ 55.

- Use the two hooks at the sidewall of the load compartment for hanging up carrier bags. Maximum load: 5 kg per hook.



- Secure loose objects in the load compartment to prevent them from sliding.
- When transporting objects in the load compartment, 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 load compartment cover or the instrument panel, and 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 lever, 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.

### Warning

Always make sure that the load in the vehicle is securely stowed. Otherwise objects can be thrown around inside the vehicle and cause personal injury or damage to the load or car.

- Optional equipment and accessories increase the kerb weight.
- 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.

The permissible roof load is 75 kg. The roof load is the combined weight of the roof rack and the load.

## Instruments and controls

Controls .....	59
Warning lights, gauges and indicators .....	65
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## Controls

### Steering wheel adjustment



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

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

### Steering wheel controls



The Infotainment system, the cruise control and a connected mobile phone can be operated via the controls on the steering wheel.

Infotainment system ⇨ 98.

Driver assistance systems ⇨ 188.

## Horn



Press .

## Windscreen wiper/washer

### Windscreen wiper



- HI** = fast
- LO** = slow
- INT** = interval wiping or automatic wiping with rain sensor
- OFF** = off

For a single wipe when the windscreen wiper is off, press the lever down to position **1x**.

Do not use if the windscreen is frozen.

Switch off in car washes.

### Adjustable wiper interval



Wiper lever in position **INT**.

Turn the adjuster wheel to adjust the desired wipe interval:

- short interval = turn adjuster wheel upwards
- long interval = turn adjuster wheel downwards

### Automatic wiping with rain sensor



**INT** = automatic wiping with rain sensor

The rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

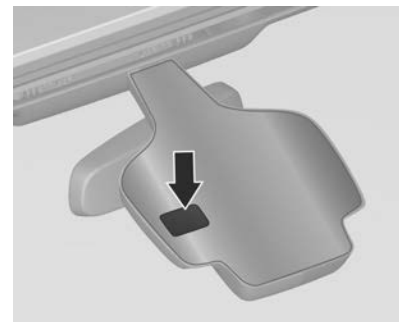
If the wiper frequency is above 20 seconds, the wiper arm moves slightly down to the park position.

### Adjustable sensitivity of the rain sensor



Turn the adjuster wheel to adjust the sensitivity:

low sensitivity = turn adjuster wheel downwards  
high sensitivity = turn adjuster wheel upwards



Keep the sensor free from dust, dirt and ice.

## Windscreen and headlight washer

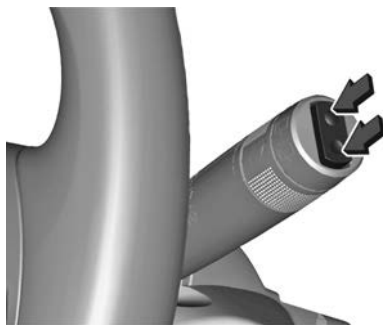


Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.

Xenon headlights:

If the headlights are on, washer fluid is also sprayed onto the headlights, provided that the lever is pulled sufficiently long. Afterwards, the headlight washer system is inoperable for 5 wash cycles or until engine or headlights have been switched off and on again.

## Rear window wiper/washer



Press the rocker switch to activate the rear window wiper:

- upper position = continuous operation
- lower position = intermittent operation
- middle position = off



Push lever. Washer fluid is sprayed onto the rear window and the wiper wipes a few times.

Do not use if the rear window is frozen.

Switch off in car washes.

The rear window wiper comes on automatically when the windscreen wiper is switched on and reverse gear is engaged.

Activation or deactivation of this function can be changed in the Settings menu in the Info-Display.

Vehicle personalisation ↗ 82.

The rear window washer system is deactivated when the fluid level is too low.

## Outside temperature



A drop in temperature is indicated immediately and a rise in temperature after a time delay.



If outside temperature drops to 3 °C, a warning message is displayed in the Driver Information Centre.

### Warning

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

## Clock

Date and time are shown in the Info-Display.

## Time and date settings

Press **CONFIG** and then select the **Time and Date** menu item to display the respective submenu.



### Set time

To adjust the time settings, select the **Set Time** menu item. Turn the multifunction knob to adjust the first setting.



Push the multifunction knob outer ring to confirm the input. The coloured background moves to the next setting.

Adjust all settings.

### Set date

To adjust the time settings, select the **Set Date** menu item. Turn the multifunction knob to adjust the first setting.

Push the multifunction knob outer ring to confirm the input. The coloured background moves to the next setting.

Adjust all settings.

### Time format

To choose the desired time format, select **12 hr / 24 hr Format**. Activate **12 Hour** or **24 Hour**.

Vehicle personalisation ⇨ 82.

### Power outlets



A 12 Volt power outlet is located in the front console.



A further 12 Volt power outlet may be located in the rear console. Fold the cover downwards.

Do not exceed the maximum power consumption of 120 watts.

With ignition off, the power outlets are deactivated. Additionally the power outlets are deactivated in the event of low vehicle battery voltage.

Do not connect any current-delivering accessories, e.g. electric charging devices or batteries.

Do not damage the outlet by using unsuitable plugs.

Stop-start system ⇨ 174.

## Warning lights, gauges and indicators

### Instrument cluster

In some versions, the needles of the instruments briefly rotate to the end position when the ignition is switched on.

### Speedometer



Indicates vehicle speed.

### Odometer



The bottom line displays the recorded distance in km.

### Trip odometer



$\text{/\:}\backslash$  displays the recorded distance since the last reset.

Two trip odometers are selectable for different trips. Select between page  $\text{/\:}\backslash 1$  and page  $\text{/\:}\backslash 2$  by turning the adjuster wheel on turn signal lever.

Both trip odometers can be reset separately when ignition is on: select respective page, hold the reset knob depressed for a few seconds or press the **SET/CLR** button on the turn signal lever.

Trip odometer counts up to a distance of 2000 km and then restarts at 0.

Driver Information Centre ⇨ 74.

## Tachometer



Displays the engine speed.

Drive in a low engine speed range for each gear as much as possible.

### Caution

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

## Fuel gauge



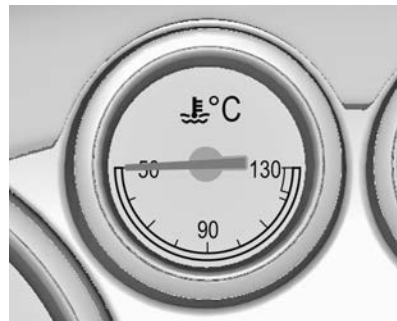
Displays the fuel level or gas level in the tank depending on the operation mode.

Control indicator ● illuminates if the level in the tank is low. Refuel immediately if it flashes.

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.

## Engine coolant temperature gauge



Displays the coolant temperature.

left area	= engine operating temperature not yet reached
central area	= normal operating temperature
right area	= temperature too high

**Caution**

If engine coolant temperature is too high, stop vehicle, switch off engine. Danger to engine. Check coolant level.

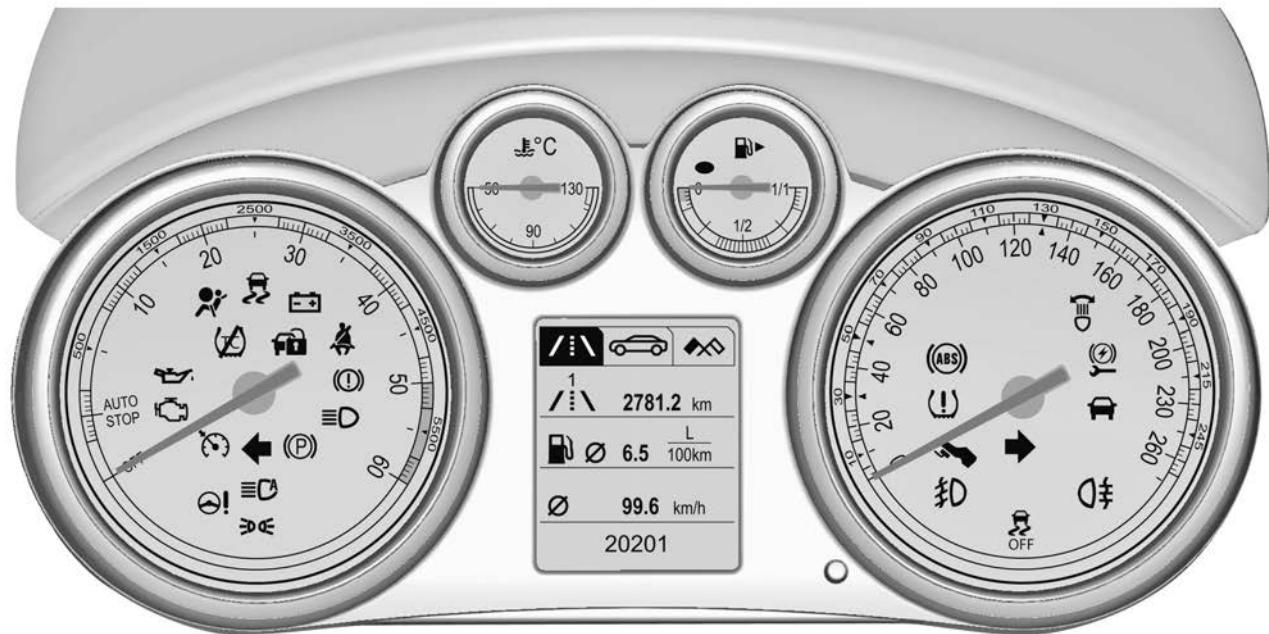
**Control indicators**

The control indicators described are not present in all vehicles. The description applies to all instrument versions. Depending on the equipment, the position of the control indicators may vary. 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 = confirmation of activation  
blue = confirmation of activation  
white = confirmation of activation

## Control indicators in the instrument cluster



## Control indicators in the centre console



### Turn signal

↔ illuminates or flashes green.

### Illuminates briefly

The parking lights are switched on.

### Flashes

A turn signal or the hazard warning flashers are activated.

Rapid flashing: failure of a turn signal light or associated fuse, failure of turn signal light on trailer.

Bulb replacement ↗ 214, Fuses ↗ 223.

Turn signals ↗ 91.

## Seat belt reminder

### Seat belt reminder on front seats

🚗 for driver's seat illuminates or flashes red.

🚗<sup>2</sup> for front passenger seat illuminates or flashes red, when the seat is occupied.

### Illuminates

After the ignition has been switched on until the seat belt has been fastened.

### Flashes

After having started the engine for a maximum of 100 seconds until the seat belt has been fastened.

## Airbag and belt tensioners

🚗 illuminates red.

When the ignition is switched on, the control indicator illuminates for approx. 4 seconds. If it does not illuminate, does not go out after 4 seconds or illuminates whilst driving, there is a fault in the airbag system. Seek the assistance of a Holden dealer. The airbags and belt pretensioners may fail to trigger in the event of an accident.

Deployment of the belt pretensioners or airbags is indicated by continuous illumination of 🚗.

### ⚠ Warning

Have the cause of the fault remedied immediately by your Holden Dealer.

Belt pretensioners, airbag system ↗ 38, ↗ 41.

## Charging system


🔌 illuminates red.

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

### **Illuminates when the engine is running**

Stop, switch off engine. Vehicle battery is not charging. Engine cooling may be interrupted. The brake servo unit may cease to be effective. Seek the assistance of a Holden dealer.

### **Malfunction indicator light**

 illuminates or flashes yellow.

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

### **Illuminates when the engine is running**

Fault in the emission control system. The permitted emission limits may be exceeded. Seek the assistance of a Holden dealer immediately.

### **Flashes when the engine is running**

Fault that could lead to catalytic converter damage. Ease up on the accelerator until the flashing stops. Seek the assistance of a Holden dealer immediately.

### **Service vehicle soon**

 illuminates yellow.

Additionally a warning message or a warning code is displayed.

The vehicle needs a service.

Seek the assistance of a Holden dealer.

Vehicle messages ⇨ 80.

### **Brake and clutch system**

 illuminates red.

The brake and clutch fluid level is too low ⇨ 211.

### **⚠ Warning**

Stop. Do not continue your journey. Contact your Holden Dealer.

Illuminates after the ignition is switched on if the manual parking brake is applied ⇨ 183.

### **Operate pedal**

 illuminates or flashes yellow.

### **Illuminates**

Brake pedal needs to be depressed to release the electric parking brake ⇨ 183.

Clutch pedal needs to be depressed to start the engine in Autostop mode. Stop-start system ⇨ 174.

### **Flashes**

Clutch pedal needs to be depressed for a main start of the engine ⇨ 16, ⇨ 173.

On some versions the operate pedal message is indicated in the Driver Information Display ⇨ 80.

## Electric parking brake

Ⓢ illuminates or flashes red.

### Illuminates

Electric parking brake is applied  
⇨ 183.

### Flashes

Electric parking brake is not fully applied or released. Switch on ignition, depress brake pedal and attempt to reset the system by first releasing and then applying the electric parking brake. If Ⓢ remains flashing, do not drive and seek the assistance of a Holden dealer.

## Electric parking brake fault

Ⓢ illuminates or flashes yellow.

### Illuminates

Electric parking brake is operating with degraded performance ⇨ 183.

## Flashes

Electric parking brake is in service mode. Stop vehicle, apply and release the electric parking brake to reset.

### ⚠ Warning

Have the cause of the fault remedied immediately by your Holden Dealer.

## Antilock brake system (ABS)

Ⓢ illuminates yellow.

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

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.

Antilock brake system ⇨ 182.

## Upshift

Ⓢ illuminates green as a control indicator, or is shown as a symbol in the Driver Information Centre with Uplevel-Combi-Display, when upshifting is recommended for fuel saving reasons.

On some versions, gearshift indication is popped-up as full page in the Driver Information Centre.

EcoFlex drive assistant ⇨ 74.

## Power steering

Ⓢ illuminates yellow.

### Illuminates with power steering reduced

Power steering is reduced due to overheating of the system. Control indicator extinguishes when the system has cooled down.

Stop-start system ⇨ 174.

### **Illuminates with power steering disabled**

Failure in the power steering system.  
Consult a Holden dealer.

### **Ultrasonic parking assist**

 illuminates yellow.

Fault in system

or

Fault due to sensors that are dirty or covered by ice or snow

or

Interference due to external sources of ultrasound. Once the source of interference is removed, the system will operate normally.

Have the cause of the fault in the system remedied by a Holden dealer.


Ultrasonic parking assist  191.

### **Electronic Stability Control off**

 illuminates yellow.

The system is deactivated.

### **Electronic Stability Control and Traction Control system**

 illuminates or flashes yellow.



#### **Illuminates**

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 Holden dealer.

#### **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  185,  
Traction Control system  185.

### **Traction Control system off**

 illuminates yellow.

The system is deactivated.

### **Tyre pressure monitoring system**

 illuminates or flashes yellow.

#### **Illuminates**

Tyre pressure loss. Stop immediately and check tyre pressure.

#### **Flashes**

Fault in system or tyre without pressure sensor mounted (e.g. spare wheel). After 60-90 seconds the control indicator illuminates continuously. Consult a Holden dealer.

### **Engine oil pressure**

 illuminates red.

Illuminates when the ignition is switched on and extinguishes 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.

1. Depress clutch.
2. Select neutral gear, set selector lever to **N**.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off ignition.

### ⚠ Warning

When the engine is off, considerably more force is needed to brake and steer. During an Autostop the brake servo unit will still be operational.

Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking the assistance of a Holden dealer ⇨ 209.

## Low fuel

● illuminates or flashes yellow.

## Illuminates

Level in fuel tank is too low.

## Flashes

Fuel used up. Refuel immediately. Never run the tank dry.

Catalytic converter ⇨ 177.

## Immobiliser

🔑 flashes yellow.

Fault in the immobiliser system. The engine cannot be started.

## Reduced engine power

🔧 illuminates yellow.

The engine power is limited. Consult a Holden dealer.

## Exterior light

➡ illuminates green.

The exterior lights are on ⇨ 84.

## High beam

☞ illuminates blue.

Illuminates when high beam is on or during headlight flash ⇨ 85, or when high beam is on with high beam assist or intelligent light range ⇨ 87.

## High beam assist

☞ illuminates green.

The high beam assist or intelligent light range is activated ⇨ 85, ⇨ 87.

## Adaptive forward lighting

🔦 illuminates yellow.

**Illuminates**

Fault in system.

Seek the assistance of a Holden dealer.

**Fog light**

 illuminates green.

The front fog lights are on ⇨ 91.

**Rear fog light**

 illuminates yellow.

The rear fog light is on ⇨ 91.

**Low washer fluid**

 illuminates yellow.

The washer fluid level is low.

Washer fluid ⇨ 211.

**Cruise control**

 illuminates white or green.

**Illuminates white**

The system is on.

**Illuminates green**

Cruise control is active.

Cruise control ⇨ 188.

**Door open**

 illuminates red.

A door or the tailgate is open.

**Information displays****Driver Information Centre**

The Driver Information Centre (DIC) is located in the instrument cluster between speedometer and tachometer.

The following main menus can be indicated in the Display and selected by pushing the **MENU** button on the turn signal lever. Menu symbols are indicated in the top line of the display:



-  Vehicle Information Menu
-  Trip/Fuel Information Menu

### ■ ECO ECO Information Menu

### ■ Performance Menu

Some of the displayed functions differ depending on vehicle model, or when the vehicle is being driven or at a standstill. Some functions are only available when the vehicle is being driven.

Vehicle personalisation ⇨ 82.

Memorised settings ⇨ 21.

## Selecting menus and functions

The menus and functions can be selected via the buttons on the turn signal lever.



Press **MENU** to switch between the menus or to return from a submenu to the next higher menu level.




Turn the adjuster wheel to highlight a menu option or to set a numeric value.



Press the **SET/CLR** button to select a function or to confirm a message.

## Vehicle Information Menu

Press the **MENU** button to select .

Turn the adjuster wheel to select a submenu. Press the **SET/CLR** button to confirm.

Follow the instructions given in the submenus.

Possible submenus can include, depending on the version:

- **Tyre Pressure:** checks tyre pressure of all wheels during driving ⇨ 229
- **Tyre Load:** select tyre pressure category according to the current actual tyre inflation pressure ⇨ 229
- **Remaining oil life:** indicates when to change the engine oil and filter



- **Speed Warning:** if exceeding the preset speed, a warning chime will be activated

### Trip/Fuel Information Menu /:\

Press the **MENU** button to select /:\.

Turn the adjuster wheel to select a page:



#### Page 1:

- trip odometer 1
- average consumption 1
- average speed 1



#### Page 2:

- trip odometer 2
- average consumption 2
- average speed 2

/ \		eco
75 km/h		
>>		343 km
	9.8	L/100km
N	002915	

**Page 3:**

- digital speed
- range
- instantaneous consumption

The information of page 1 and page 2 can be reset separately for odometer, average consumption and average speed, making it possible to display different trip information. Select pages by turning the adjuster wheel on the turn signal lever.

**ECO Information Menu ECO**

Press the **MENU** button to select **ECO**.

Turn the adjuster wheel to select a submenu. Press the **SET/CLR** button to confirm.

Submenus are:

/ \		eco
ECO		6.5 l/100km
20201		

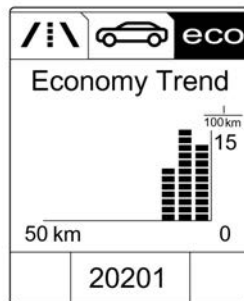
- **Shift indication:** Current gear is indicated inside an arrow. The figure above recommends upshifting for fuel saving reasons.

**Eco index display:** The current fuel consumption is indicated on a segment display. For economical driving, adapt your driving characteristic to keep the filled segments within the Eco area. The more segments are filled, the higher the fuel consumption. Simultaneously the current consumption value is indicated.



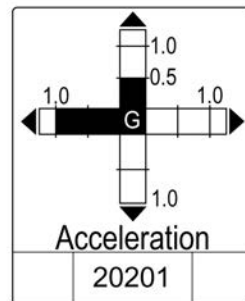
- **Top Consumers:** List of top comfort consumers currently switched on is displayed in descending order. Fuel saving potential is indicated. A switched off consumer disappears from the list and the consumption value will be updated.

During sporadic driving conditions, the engine will activate the heated rear window automatically to increase the engine load. In this event, the heated rear window is indicated as one of the top consumers, without activation by the driver.



- **Economy Trend:** Displays the average consumption development over a distance of 50 km. Filled segments display the consumption in 5 km steps and shows the effect of topography or driving behaviour on fuel consumption.

## Performance Menu



Press the **MENU** button to select .

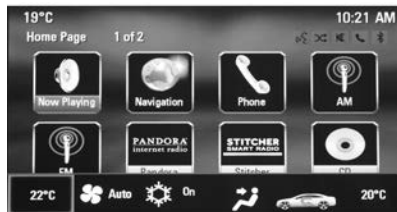
Turn the adjuster wheel to select a submenu. Press the **SET/CLR** button to confirm.

Submenus are:

- **Acceleration:** Display of current acceleration in all directions.
- **Lap Timer:** Display of lap times, top speed, average speed and average time. Follow the instructions given in the submenu.

- **Coolant Temp.:** Display of coolant temperature.
- **Battery Volt.:** Display of vehicle battery voltage.

## Colour-Info-Display



The Colour-Info-Display indicates in colour:

- time ↗ 63
- outside temperature ↗ 63
- date ↗ 63
- electronic climate control settings ↗ 164
- Infotainment system ↗ 96

- navigation ↗ 127
- system settings
- vehicle messages ↗ 80
- settings for vehicle personalisation ↗ 82

The type of information and how it is displayed depends on the equipment of the vehicle and the settings made.

## Selecting menus and settings

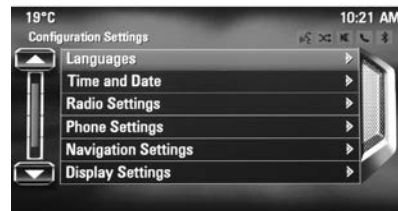
Menus and settings are accessed via the display.



Push button **CONFIG**: Menu page **Settings** is displayed.

Turn multifunction knob to:

- select a setting or value
- display a menu option



Push the multifunction knob outer ring to:

- confirm a setting or value
- select or activate the marked option
- switch a system function on/off

Push button **BACK** to:

- exit a menu or setting without changing
- return from a submenu to a higher menu level
- delete the last character in a character sequence. Push **BACK** for a few seconds to delete the entire entry.

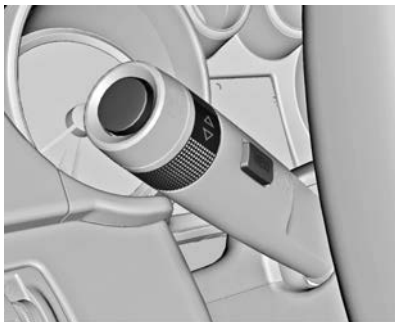
To exit the **Settings** menu, push button **BACK** stepwise or push button **CONFIG** after confirming the changes.

Vehicle personalisation ⇨ 82.

Memorised settings ⇨ 21.

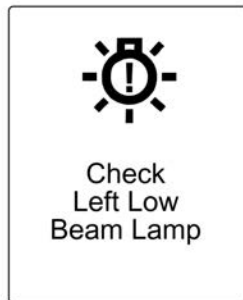
## Vehicle messages

Messages are indicated mainly in the Driver Information Centre (DIC), in some cases together with a warning and signal buzzer.



Press the **SET/CLR** button, **MENU** or turn the adjuster wheel to confirm a message.

## Messages in the Driver Information Centre (DIC)



The vehicle messages are displayed as text. Follow the instructions given in the messages.

The system displays messages regarding the following topics:

- service messages
- fluid levels
- brakes
- drive systems
- ride control systems
- cruise control
- object detection systems

- lighting, bulb replacement
- wiper/washer system
- doors, windows
- radio remote control
- seat belts
- airbag systems
- engine and transmission
- tyre pressure
- vehicle battery status

### **Vehicle messages on the Colour-Info-Display**

Some important messages appear additionally in the Colour-Info-Display. Push the multifunction knob outer ring to confirm a message. Some messages only pop up for a few seconds.

### **Warning chimes**

#### **When starting the engine or whilst driving**

Only one warning chime will sound at a time.

The warning chime regarding unfastened seat belts has priority over any other warning chime.

- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting off.
- If a certain speed is exceeded with parking brake applied.
- If a programmed speed is exceeded.
- If a warning message or a warning code appears in the Driver Information Centre.
- If the parking assist detects an object.

#### **When the vehicle is parked and/or the driver's door is opened**

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

#### **During an Autostop**

- If the driver's door is opened.

### **Battery voltage**

When the vehicle battery voltage is running low, a warning message or warning code 174 will appear in the Driver Information Centre.

1. Switch off immediately any electric consumers which are not required for a safe ride, e.g. seat heating, heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

The warning message or warning code will disappear after the engine has been started twice consecutively without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault remedied by a Holden dealer.

## Vehicle personalisation

The vehicle's behaviour can be personalised by changing the settings in the Info-Display.

Some of the personal settings for different drivers can be memorised individually for each vehicle key. Memorised settings ⇨ 21.

Some functions are only displayed or active when the engine is running.

### Settings in the Colour-Info-Display

Press **CONFIG** on the Infotainment system faceplate to enter the Configuration menu.

Turn the multifunction knob to scroll upwards or downwards in the list. Press the outer ring to select a menu item.



- Bimodal Exhaust Profile
- Languages
- Time and Date
- Radio Settings
- Phone Settings
- Navigation Settings
- Display Settings
- Vehicle Settings

In the corresponding submenus the following settings can be changed:

### Bimodal Exhaust Profile

#### ■ Engine Sport Performance:

Accelerator pedal and gear change characteristics become more responsive.

#### ■ Sport Mode Back Lighting:

Changes the instrument illumination colour.

### Languages

Selection of the desired language.

### Time and Date

System settings ⇨ 107.

### Radio Settings

Tone settings ⇨ 105.

### Phone Settings

Phone ⇨ 152.

### Navigation Settings

Usage ⇨ 127.

## Display Settings

### ■ Home Page Menu:

Basic operation ⇨ 103.

### ■ Display Off:

System settings ⇨ 107.

### ■ Map Settings:

Usage ⇨ 127.

## Vehicle Settings

### ■ Climate and Air Quality

**Auto Fan Speed:** Modifies the fan regulation. Changed setting will be active after switching the ignition off and on again.

**Air Conditioning Mode:** Activates or deactivates cooling when switching on the ignition or uses the last chosen setting.

**Auto Demist:** Activates or deactivates auto demist.

**Auto Rear Demist:** Activates the rear heated window automatically.

### ■ Comfort and Convenience

**Chime Volume:** Changes the volume of warning chimes.

### Personalisation by Driver:

Activates or deactivates the personalisation function.

### Auto Reverse Gear Wiper:

Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

### ■ Collision Detection Systems

**Park Assist:** Activates or deactivates the ultrasonic sensors. Activation is selectable with or without attached trailer coupling.

### ■ Lighting

**Vehicle Locator Lights:** Activates or deactivates the entry lighting.

**Exit Lighting:** Activates or deactivates and changes the duration of exit lighting.

### ■ Power Door Locks

**Open Door Anti Lock Out:** Activates or deactivates the automatic door locking function while a door is open.

**Auto Door Lock:** Activates or deactivates the automatic door unlocking function after switching

off ignition. Activates or deactivates the automatic door locking function after driving-off.

### ■ Remote Lock/Unlock/Start

#### Remote Unlock Feedback:

Activates or deactivates the hazard warning flasher feedback whilst unlocking.

**Remote Door Unlock:** Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

#### Relock Remotely Unlocked Doors:

Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

### ■ Return to Factory Settings?:

Resets all settings to the default settings.

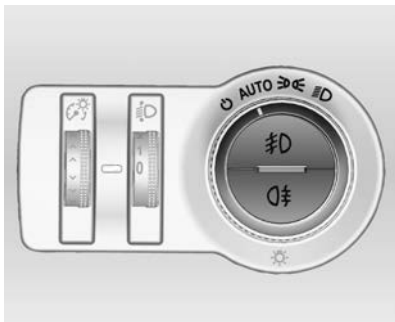
## Lighting

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## Exterior lighting

### Light switch

#### Light switch with automatic light control



Turn light switch:

- AUTO** = automatic light control: low beam is switched on and off automatically depending on external lighting conditions.
- ⏻ = activation or deactivation of the automatic light control. Switch turns back to **AUTO**

- ⏻ = parking lights
- ⏻D = headlights and parking lights

In the Driver Information Centre with Uplevel-Combi-Display, the current status of the automatic light control is displayed.

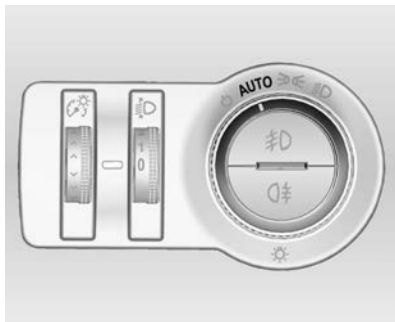
When switching on the ignition, automatic light control is active.

When low beam is on, ⏻ illuminates. Control indicator ⏻ ⇨ 73.

### Tail lights

Tail lights are illuminated together with low/high beam and parking lights.

## Automatic light control



When the automatic light control function is switched on and the engine is running, the system switches between daytime running light and headlights automatically depending on the lighting conditions and information given by the rain sensor system.

Daytime running light ⇨ 87.

## Automatic headlight activation

During poor lighting conditions the headlights are switched on.

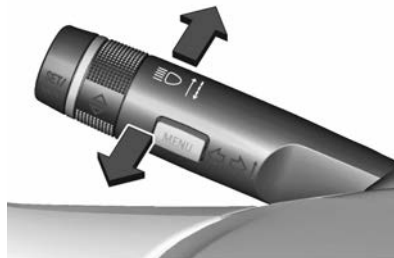
Furthermore the headlights are switched on if the windscreen wipers have been activated for several wipes.

## Tunnel detection

When a tunnel is entered the headlights are switched on immediately.

Adaptive forward lighting ⇨ 87.

## High beam



To switch from low to high beam, push lever.

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

## ⚠ Warning

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

## High beam assist

Xenon headlights: High beam assist with adaptive forward lighting ⇨ 87.

Halogen headlights: This feature allows high beam to function as the main driving light at night and when vehicle speed is faster than 40 km/h. It switches to low beam when:



- A sensor detects the lights of oncoming or preceding vehicles.
- The vehicle speed is slower than 20 km/h.
- It is foggy or snowy.
- Driving in urban areas.

If there are no restrictions detected, the system switches back to high beam.

### Activation



The high beam assist is activated by pushing the indicator lever twice with a speed above 40 km/h.

The green control indicator  illuminates continuously when the assist is activated, the blue one  illuminates when high beam is on.

Control indicator   73.

### Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

If a headlight flash is activated when the high beam is on, the high beam assist will be deactivated.

If a headlight flash is activated when the high beam is off, the high beam assist will stay activated.

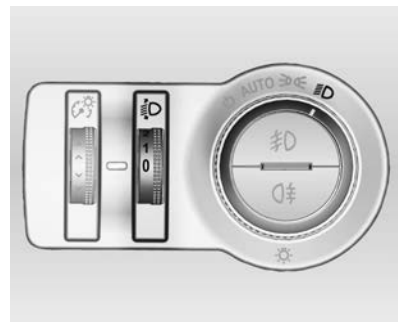
The latest setting of the high beam assist will remain after the ignition is switched on again.


### Headlight flash

To activate the headlight flash, pull lever.

### Headlight range adjustment

#### Manual headlight range adjustment



To adapt headlight range to the vehicle load to prevent dazzling: turn thumb wheel  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

Dynamic automatic headlight levelling ⇨ 87.

## Daytime running lights

Daytime running lights increase visibility of the vehicle during daylight.

They are switched on automatically when ignition is on.

If the vehicle is equipped with automatic light control function, the system switches between daytime running light and low/high beam automatically depending on the lighting conditions and information given by the rain sensor system. Automatic light control ⇨ 85.

## Adaptive forward lighting

The Adaptive forward lighting functions are only available with Bi-Xenon headlights. Light range, light distribution and intensity of light are variably triggered depending on the light conditions, weather and road type.

With the light switch in position **AUTO** all lighting functions are available.

The following functions are available also with light switch in position **⌂D**:

- dynamic curve lighting
- cornering light
- reversing function
- dynamic automatic headlight levelling

### Warning

It is the responsibility of the driver to comply with local posted speed limits.

## Playstreet lighting

Activated automatically at low speed up to approx. 30 km/h. The light beam is turned at an angle of 8° to the roadside.

## Town lighting

Activated automatically at a speed range between approx. 40 and 55 km/h and when street lights are detected by the light sensor. The light range is reduced by an extended light distribution.

## Country lighting

Activated automatically at a speed range between approx. 55 and 115 km/h. The beam of light and the brightness is different between the left and the right side.

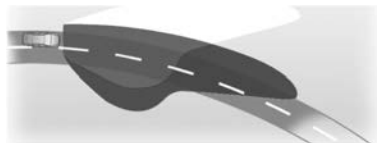
## Motorway lighting

Activated automatically at a speed above approx. 115 km/h and minimal steering movements. It switches on after a delay or directly when the vehicle is powerfully accelerated. The light beam is longer and brighter.

### Adverse weather lighting

Activated automatically up to a speed of approx. 70 km/h, when the rain sensor recognises condensation or the wiper operates continuously. The range, distribution and light intensity is regulated variably depending on visibility.

### Dynamic curve lighting



The light beam pivots based on steering wheel angle and speed, improving lighting in curves.

Control indicator ☞ 73.

### Corner lighting



On tight bends or when turning off, depending on the steering angle or the turn signal light, an additional left or right reflector is switched on which illuminates the road at a right angle to the direction of travel. It is activated up to a speed of 40 km/h.

Control indicator ☞ 73.

### Reversing function

If the headlights are on and reverse gear is engaged, both corner lights are switched on. They remain illuminated for 20 seconds after disengaging reverse gear or until driving faster than 17 km/h in a forward gear.

### High Beam Assist

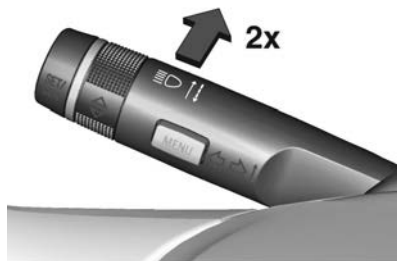
This feature allows high beam as main driving light by night and when vehicle speed is faster than 40 km/h.

It switches to low beam when:



- The camera in the windscreen detects the lights of oncoming or preceding vehicles.
- The vehicle speed is slower than 20 km/h.
- It is foggy or snowy.
- Driving in urban areas.

If there are no restrictions detected, the system switches back to high beam.

## Activation



The high beam assist is activated by pushing the indicator lever twice with a speed above 40 km/h.

The green control indicator  illuminates continuously when the assist is activated, the blue one  illuminates when high beam is on.

Control indicator  73.

## Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

If a headlight flash is activated when the high beam is on, the high beam assist will be deactivated.

If a headlight flash is activated when the high beam is off, the high beam assist will stay activated.

High beam assist is always active after the ignition is switched on.

## Intelligent light ranging with automatic high beam activation

Intelligent light ranging uses the properties of Bi-Xenon headlights to extend the light range of the low beam by up to 400 metres and additionally activates automatic high beam without dazzling or disturbing oncoming or preceding traffic.

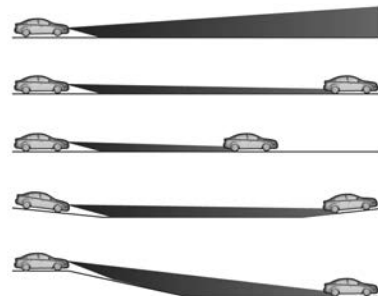
High beam is deactivated and the low beam light range is reduced to avoid dazzling when the following restrictions are detected by the front camera in the windscreen:

- A preceding vehicle is recognised.
- An oncoming vehicle is recognised.
- Urban areas are entered.
- It is foggy or snowy.

If there are no restrictions detected, the system switches back to high beam.

When the system is active, the front camera monitors the area ahead of the vehicle and ensures an optimum light distribution for maximum driver vision during almost all conditions.

Intelligent light ranging with automatic high beam activation therefore reduces the difference between conventional low and high beam without drastic changes in light-range, distribution and intensity.





A special topographical evaluation function detects preceding vehicles on hills or slopes by recognising the rear light moving ahead. The system adjusts the height of the light range to ensure optimum illumination on the road ahead without dazzling.

### Activation



Intelligent light ranging and automatic high beam activation are switched on together by pushing the indicator lever twice. They can be switched on with ignition on.

Automatic high beam activation operates at a speed above 40 km/h and deactivates below 20 km/h. Intelligent light ranging operates above 55 km/h.

The green control indicator  illuminates continuously when the function is activated, the blue one  illuminates when high beam switches on automatically.

### Deactivation

Push indicator lever once. It is also deactivated when front fog lights are switched on.

### Dynamic automatic headlight levelling

To prevent oncoming traffic from dazzle, headlight levelling is automatically adjusted based on inclination information measured by front and rear axle, acceleration or deceleration and vehicle speed.

### Fault in adaptive forward lighting system

When the system detects a failure in the Adaptive forward lighting system, the system moves to a preset position to avoid dazzling of oncoming traffic. If this is not possible the affected headlight will be automatically switched off. In any case one headlight will stay on. A warning is displayed in the Driver Information Centre.

### Hazard warning flashers



Operated by pressing .

In the event of an accident with airbag deployment the hazard warning flashers are activated automatically.

## Turn and lane-change signals



lever up = right turn signal  
 lever down = left turn signal

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

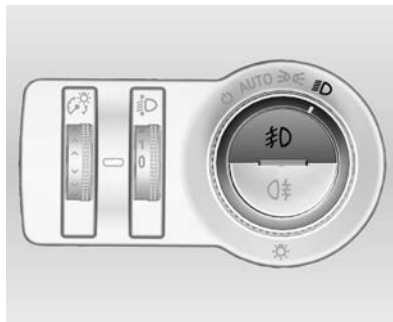
For three flashes, e.g. when changing lanes, press the lever until resistance is felt and then release.

When a trailer is connected, turn signal flashes six times when pressing the lever until resistance is felt and then releasing.

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

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

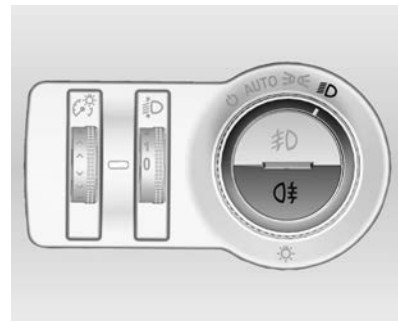
## Front fog lights



Operated by pressing  $\#D$ .

Light switch in position **AUTO**: switching on front fog lights will switch headlights on automatically.

## Rear fog light



Operated by pressing  $\#E$ .

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

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

The vehicle rear fog light is deactivated when towing.

## Parking lights



When the vehicle is parked, the parking lights on one side can be activated:

1. Switch off ignition.
2. Move turn signal lever all the way up (right parking lights) or down (left parking lights).

Confirmed by a signal and the corresponding turn signal control indicator.

## Reversing lights

The reversing light comes on when the ignition is on and reverse gear is selected.

## Misted light 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.


## Interior lighting

### Instrument panel illumination control



Brightness of the following lights can be adjusted when the exterior lights are on:

- instrument panel illumination
- Info-Display
- illuminated switches and operation elements

Turn thumb wheel  and hold until the desired brightness is obtained.

On vehicles with light sensor, the brightness can only be adjusted when the exterior lights are on and the light sensor detects night conditions.

## Interior lights

During entry and exit of the vehicle, the front and rear courtesy lights automatically switch on and then off after a delay.


### Note

In the event of an accident with airbag deployment the courtesy lights are turned on automatically.

## Front courtesy light



Operate rocker switch:

 = automatic switching on and off

press  = on

press  = off

## Rear courtesy lights





Illuminates in conjunction with the front courtesy light depending on rocker switch position.

Press  or  to switch on manually.

## Reading lights



Operated by pressing  and  in front and rear courtesy lights.

## Sunvisor lights

Illuminates when the cover is opened.

## Lighting features

### Centre console lighting

Spotlight incorporated in the interior lighting comes on when headlights are switched on.

### Entry lighting

#### Welcome lighting

The following lights are switched on for a short time by unlocking the vehicle with the radio remote control:

- headlights
- tail lights
- number plate lights
- instrument panel light
- interior lights

Some functions work only in the dark and facilitates locating the vehicle.

The lighting switches off immediately when the ignition key is turned to position 1 ⇨ 172.

Activation or deactivation of this function can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

The settings can be saved for the key being used ⇨ 21.

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

- all switches
- Driver Information Centre
- door pocket lights
- console lights

### Exit lighting

The following lights switch on if the key is removed from the ignition switch:

- interior lights
- instrument panel light (only when it is dark)
- door and console lights

They will switch off automatically after a delay and will be activated again if the driver's door is opened.

### Path lighting

Headlights, tail lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

#### Activating



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 two minutes.

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

Activation, deactivation and duration of this function can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

The settings can be saved for the key being used ⇨ 21.

## Battery discharge protection

### Vehicle battery state of charge function

The function guarantees longest vehicle battery life via a generator with controllable power output and optimised power distribution.

To prevent discharge of the vehicle battery when driving, the following systems are reduced automatically in two stages and finally switched off:

- Heated rear window and mirrors
- Heated seats
- Fan

In the second stage a message which confirms the activation of the vehicle battery discharge protection will be displayed in the Driver Information Centre.

### Switching off electric lights

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

## Infotainment system

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CD Player .....	113
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Speech recognition .....	143
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## Introduction

### General information

The Infotainment system provides you with state-of-the-art in-car infotainment.

The radio can easily be used by registering a large number of FM, AM and DAB (Digital Audio Broadcasting) radio stations with the 1...6 preset buttons.

You can connect external data storage devices, e.g. iPod, USB devices, or other auxiliary devices to the Infotainment system as further audio sources; either via cable or via Bluetooth.

The navigation system reliably guides you to your destination and, if desired, automatically avoids traffic jams or other traffic problems.

In addition, the Infotainment system is equipped with a phone application that allows for comfortable and safe use of your mobile phone in the vehicle.

Optionally, the Infotainment system can be operated using the instrument panel controls, the controls on the steering wheel or the speech recognition function.

The well-thought-out design of the control elements and the clear displays enable you to control the system easily and intuitively.

Information on operation details and news on software updates can be obtained on our website.

### Note

This manual describes all options and features available for the various Infotainment systems. 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.

## Important information on operation and traffic safety

### Warning

The Infotainment system must be used so that the vehicle can be driven safely at all times. If in doubt, stop the vehicle and operate the Infotainment system while the vehicle is stationary.

### Warning

The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. The related traffic regulations must always be followed.

Only make entries (e.g. addresses) with the vehicle stationary.

If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

### Warning

Areas such as one-way streets and pedestrian zones are not marked on the navigation system map. In such areas, the system may issue a warning that must be accepted. Therefore, pay particular attention to one-way streets and other roads and entrances that must not be driven into.

## Radio reception

Radio reception may be disrupted by static, noise, distortion or loss of reception due to:

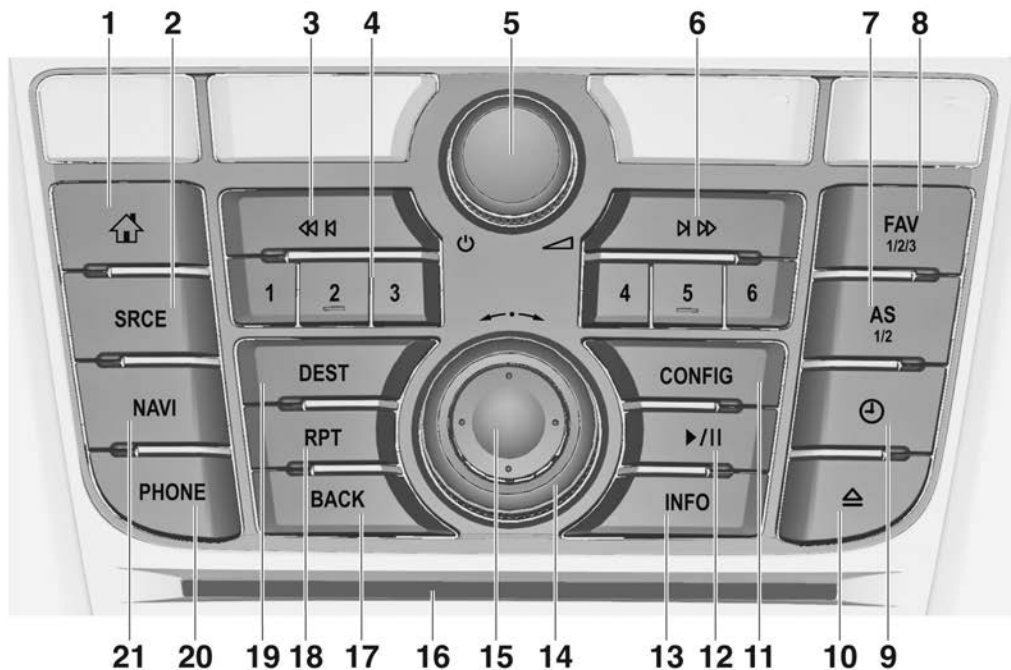
- changes in distance from the transmitter
- multi-path reception due to reflection
- shadowing









## Theft-deterrent feature

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

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

## Control elements overview



- 
- |  |   |  |
|--|---|--|
| <p><b>1</b>  Access Home Page ..... 103</p> <p><b>2</b> <b>SRCE</b> (Source)</p> <p>Press to toggle through the different audio sources</p> <p>CD/MP3 player ..... 113</p> <p>USB ..... 115</p> <p>AUX ..... 115</p> <p>Bluetooth ..... 115</p> <p>AM ..... 109</p> <p>FM ..... 109</p> <p>DAB ..... 109</p> <p><b>3</b>  </p> <p>Radio: search backwards ... 109</p> <p>CD/MP3/WMA: skip track backwards ..... 114</p> <p>External devices: skip track backwards ..... 117</p> | <p><b>4</b> Station buttons 1...6</p> <p>Short press: select station . . 111</p> <p>Long press: save station ..... 111</p> <p><b>5</b> </p> <p>Press: switch on/off Infotainment system ..... 101</p> <p>Turn: adjust volume ..... 101</p> <p><b>6</b> </p> <p>Radio: search forwards ..... 109</p> <p>CD/MP3/WMA: skip track forwards ..... 114</p> <p>External devices: skip track forwards ..... 117</p> <p><b>7</b> <b>AS 1/2</b></p> <p>Short press: open autostore list ..... 111</p> <p>Long press: save autostore stations automatically ..... 111</p> <p><b>8</b> <b>FAV 1/2/3</b></p> <p>Open favourites list ..... 111</p> | <p><b>9</b>  Display clock</p> <p><b>10</b>  Eject CD ..... 114</p> <p><b>11</b> <b>CONFIG</b></p> <p>Open settings menu ..... 107</p> <p><b>12</b> </p> <p>CD/MP3/WMA: start/pause playback ..... 114</p> <p>External devices: start/pause playback ..... 117</p> <p><b>13</b> <b>INFO</b></p> <p>Radio: information on current station</p> <p>CD/MP3/WMA, external devices: information on current track</p> <p>Navigation: information, e.g. on current location</p> |
|--|---|--|

## 14 Multifunction knob

Turn: mark menu options  
or set alphanumeric values 103

Push (the outer ring):  
select/activate the marked  
option; confirm set value;  
switch function on/off;  
open audio or navigation  
menu ..... 103

## 15 Eight-way switch

Navigation: move display  
window in map view ..... 127

## 16 CD slot ..... 114

## 17 BACK

Menu: one level back ..... 103

Input: delete last character  
or entire entry ..... 103

## 18 RPT

Repeat last navigation  
message ..... 140

## 19 DEST

Open navigation  
destination menu ..... 131

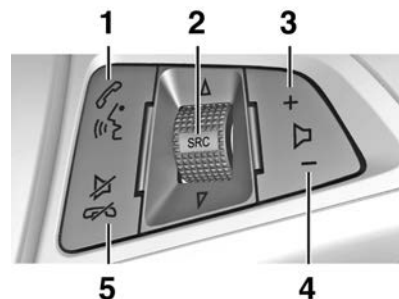
## 20 PHONE

Take phone call or  
activate/deactivate mute ..... 154

## 21 NAVI

Display map ..... 127

## Steering wheel audio controls



### 1

Short press: take phone call 154  
or dial number in call list ..... 154


or activate speech  
recognition ..... 143

Long press: show call list .... 154

or activate voice pass-thru  
(if supported by phone) ..... 143

### 2 SRC (Source)

Press: select audio source .. 109

With radio active: turn up/ down to select next/ previous preset radio station .....	109	or close call list .....	154
With CD player active: turn up/down to select next/ previous CD/MP3/WMA track .....	114	or activate/deactivate mute .	101
With external device active: turn up/down to select next/previous track ...	117	or deactivate speech recognition .....	143
With phone active: turn up/ down to select next/ previous entry in call list .....	154		
With phone active and calls waiting: turn up/down to switch between calls .....	154		
<b>3</b> +			
Increase volume .....	101		
<b>4</b> -			
Reduce volume .....	101		
<b>5</b> 			
Short press: end/decline call .....	154		

## Usage

### Control elements

The Infotainment system is operated via function buttons, a multifunction knob and menus that are shown on the display.


Inputs are made optionally via:

- the central control unit on the instrument panel ⇨ 98
- controls on the steering wheel ⇨ 98
- the speech recognition system ⇨ 143

### Note

Only the most direct ways for menu operation are described in the subsequent chapters. In some cases, there may be other options.

### Switching the Infotainment system on or off

Press  briefly. After switching on, the last selected Infotainment source becomes active.

### Automatic switch-off

If the Infotainment system is switched on pressing **⏻** while the ignition is switched off, it switches off again automatically after 10 minutes.

### Setting the volume

Turn **⏻**. The current setting is shown in a pop-up at the bottom of the screen.

When the Infotainment system is switched on, the last selected volume is set, provided that the volume is lower than the maximum start-up volume.

The following volume settings can be set separately:

- the maximum start-up volume  
↔ 106
- the volume of the navigation messages ↔ 127

### Auto volume

When auto volume is activated ↔ 106, the volume is adapted automatically to compensate for the road and wind noise as you drive.

### Mute

Press **PHONE** (if Phone portal is available: press for a few seconds) to mute the audio sources.

To cancel mute again: turn **⏻** or press **PHONE** again (if Phone portal is available: press for a few seconds).

### Volume limitation at high temperatures

At very high temperatures inside the vehicle, the Infotainment system limits the maximum adjustable volume. If necessary, the volume is decreased automatically.

### Modes of operation

#### Audio players

Repeatedly press **SRCE** to toggle between the AM, FM, CD, USB, AUX, Bluetooth or DAB main menus.

For detailed descriptions of:

- CD/MP3 player ↔ 113
- USB port ↔ 115
- AUX input ↔ 115
- Bluetooth audio ↔ 115

- AM radio ↔ 109
- FM radio ↔ 109
- DAB radio ↔ 112

### Navigation

Press **NAVI** to display the map of the navigation application.

Push the multifunction knob outer ring to open a submenu with options for the input of destinations and the structuring of a route.

For a detailed description of the navigation functions ↔ 127.

### Phone

Press **PHONE** to display the phone main menu with options for the input or selection of numbers.

For a detailed description of the mobile phone functions ↔ 152.

### Note

Brief information on the audio sources and the current navigation session may be displayed via the **Quick Info** application.

## Basic operation

### Multifunction knob

The multifunction knob is the central control element for the menus.

Turn the multifunction knob:

- to mark a menu option
- to set an alphanumeric value

Push the multifunction knob (the outer ring):

- to select or activate the marked option
- to confirm a set value
- to switch a system function on/off
- to open the audio or navigation menu within the respective application



**button**

Press to access the **Home Page**.



Using the multifunction knob, you may then access the different applications.

Turn the multifunction knob to select **More** at the bottom of the screen.



Push the multifunction knob outer ring to display the second **Home Page** with further applications.

Using the multifunction knob, you may then access the different applications.

### Note

Most of the applications or application menus may also be directly accessed via the buttons on the instrument panel.

## BACK button

Press **BACK**:

- to exit a menu or screen
- to return from a submenu to the next higher menu level
- to delete the last character in a character sequence

## Examples of menu operation

### Selecting a screen element

Turn the multifunction knob to move the cursor (= coloured background) to the desired option.

Push the multifunction knob outer ring to select the marked icon, screen button or menu item.

### Note

In subsequent chapters the operating steps for selecting and activating a screen button or menu item will be described as "...select <button name>/<item name>".

## Scrolling lists



If there are more menu items available in a list than presentable on the screen, a scroll bar is displayed.

Turn the multifunction knob clockwise to scroll downwards and anticlockwise to scroll upwards.

### Note

In subsequent chapters the operating steps for scrolling to a list item will be described as "...scroll to <item name>".

## Adjusting a setting



Turn the multifunction knob to change the current value of the setting.

Push the multifunction knob outer ring to confirm the set value.

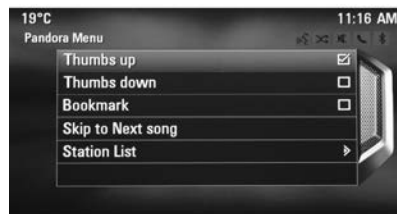
### Note

In subsequent chapters the operating steps for adjusting a setting will be described as "...adjust <setting name> to...".

### Activating a menu item

Turn the multifunction knob to move the cursor (= coloured background) to the desired option.

Push the multifunction knob outer ring to activate the menu item. A checkmark or a point appear within the box or ring beside the respective menu item.



### Note

In subsequent chapters the operating steps for activating a menu item will be described as "...activate <item name>".

### Entering a character sequence

Turn the multifunction knob to select the desired character.

Push the multifunction knob outer ring to enter the respective character in the entry field at the top of the screen.

The last character in the character sequence can be deleted pressing **Del** on the screen or **BACK** on the instrument panel. Pressing and holding **BACK** deletes the entire entry.

Push the multifunction knob outer ring to confirm the selected character.

### Note

In subsequent chapters the operating steps for entering characters will be described "...enter the desired characters...".


### Messages

Before a system function is executed, you are sometimes prompted with a message. If requested, select one of the options.



The selection and activation of a screen button in a message function are the same as described for selecting an option in a menu.

### Tone settings

Press  and then select **Next** at the bottom of the screen. On the second **Home Page**, select **Tone**. The tone settings menu is displayed.



## Bass

Use this setting to enhance or attenuate the deep frequencies of the audio sources.

Adjust the setting as desired.

## Mid

Use this setting to enhance or attenuate the midrange frequencies of the audio source.

Adjust the setting as desired.

## Treble

Use this setting to enhance or attenuate the high frequencies of the audio sources.

Adjust the setting as desired.

## EQ mode

(EQ: Equaliser)

Use this setting to optimise the tone for a specific style of music, e.g. **Rock** or **Classical**.

Select **EQ**. A submenu with predefined sound styles is displayed.

Select the desired sound style.

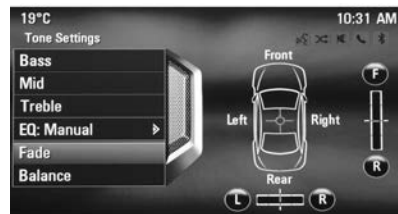
If one of the predefined sound styles is selected, **Bass**, **Mid** and **Treble** are preadjusted by the system.

If you manually adjust one of the settings described above, **EQ** is set to **Manual**.

If you manually adjust one of the settings described above, **EQ** is set to **Manual**.

## Fade and Balance

When **Fade** or **Balance** are selected, an illustration is displayed on the right side of the screen.



To adjust the volume distribution between the front and rear speakers in the vehicle, select **Fade**. Adjust the setting as desired.

To adjust the volume distribution between the left and right speakers in the vehicle, select **Balance**. Adjust the setting as desired.

## Volume settings

### Adjusting the Auto Volume

Press **CONFIG** and then select **Radio Settings**.

Select **Auto Volume** to display the respective menu.

To adjust the degree of volume adaptation, set **Auto Volume** to **Off**, **Low**, **Medium** or **High**.

**Off**: no enhancement of volume with increasing vehicle speed.

**High**: maximum enhancement of volume with increasing vehicle speed.

### Adjusting the Startup Volume

Press **CONFIG** and then select **Radio Settings**.

Select **Startup Volume** to display the respective menu.

Adjust the setting as desired.

### Adjusting the Chime Volume

When operating the controls in the vehicle, beeping sounds confirm your actions. The volume of the beeping sounds may be adjusted.

Press **CONFIG** and then select **Vehicle Settings**.

Select **Comfort and Convenience** and then **Chime Volume** to display the respective submenu. Select **Low** or **High**.

### Adjusting the Navigation Volume

Press **CONFIG** and then select **Navigation Settings**.

Select **Voice Prompt** and then **Navigation Volume**. The respective submenu is displayed.

To adjust the volume of the announcements, select **Announcement** and then adjust the setting as desired.

To adjust the volume of the audio source possibly playing in the background, select **Background** and then adjust the setting as desired.

Select **Volume Test** to get an audio example of the settings.

#### Note

While an announcement is given out, the volume may simply be adjusted pressing  $\odot$ .

## System settings

Various Infotainment system settings may be adjusted via the **Config** application.



### Language settings

Press **CONFIG** and then select **Languages**. A list of all languages available is displayed.

Select the desired language.

### Time and date settings

Press **CONFIG** and then select **Time and Date** to display the respective submenu.

### Set time

To adjust the time settings, select **Set Time**.



Adjust the settings as desired.

### Set date

To adjust the date settings, select **Set Date**. Adjust the settings as desired.

### Time format

To choose the desired time format, select **12 hr / 24 hr Format**. A submenu is displayed. Activate **12 Hour** or **24 Hour**.

### Software information

Press **CONFIG** and then select **Radio Settings**.

Scroll through the list and select **Software Versions Menu** to display the respective submenu.

#### Software version information

To display a list of all software versions installed, select **Software Version Information**.

By default, all versions are activated.

#### Software update

To update your system software, contact your Holden dealer.

#### Log file

To generate a log file of your current software version, select **Create Log File**.

#### Licensing information

To display information on the manufacturer of the Infotainment system, select **Licensing Information**.

### Factory defaults

To reset all Infotainment settings to their factory defaults, select **Clear and Reset Radio**.

### Display settings

Press **CONFIG** and then select **Display Settings** to display the respective submenu.

#### Home Page

Select **Home Page Menu** to display the home page settings menu.

To access the menu from the **Home Page**, select **Menu** at the bottom of the screen.

The **Home Page** may be adjusted according to your personal preferences.

#### Customise

The application icons displayed on the first home page may be chosen as desired.

Select **Customise** to display a list of all applications installed in the system. Activate the menu items of those applications you wish to be displayed on the first home page.

The other applications are then arranged on the following pages.

### Sort

Up to eight application icons may be arranged on each home page.

The positions of the icons can be changed as desired.

Select **Sort** to display the home pages in edit mode.

Select the icon you wish to move.

Scroll to the position on the home page where you wish the icon to be located. Push the multifunction knob outer ring to confirm.


The icon is moved to the new location. The icon that was located in that position before is now displayed in the position of the moved icon.

### Home page defaults

To reset the **Home Page** to its factory defaults, select **Restore Home Page Defaults**.

### Display Off


To turn the display off, select **Display Off**.

To turn the display back on, press any button on the instrument panel (except the  knob).

## Radio

### Usage

#### Activating radio

Press  and then select **AM**, **FM** or **DAB**.

The station last selected is played.

#### Note

When an audio source is already active, you may toggle between the different audio sources by repeatedly pressing **SRCE**.

### Station search

#### Automatic station search

Briefly press **◀◀** or **▶▶** to play the next station in the station memory.

#### Manual station search

Press and hold **◀◀** or **▶▶**. Release the button when the required frequency has almost been reached on the frequency display.

## Manual station tuning

Turn the multifunction knob to adjust the frequency.

## Station lists

Press the multifunction knob to display the station list.

A list of all receivable stations on the relevant waveband is displayed.


### Note

If no station list has been created beforehand, the Infotainment system performs an automatic station search.




Select the desired station.

### Note

The currently received station is marked by .

## Category list

Numerous DAB stations  112 broadcast a PTY code, which specifies the type of programme transmitted (e.g. news). Some stations also change the PTY code depending on the content which is currently transmitted.

The Infotainment system stores these stations in the corresponding category list sorted by programme type.

### Note

The category list submenu item is only available for the FM and the DAB wavebands.


To search for a programme type determined by the stations, select the waveband specific category list option.

A list of programme types currently available is displayed.

Select the desired programme type. A list of stations is displayed transmitting a programme of the selected type.

Select the desired station.

### Note

The currently received station is marked by .

## Updating the station lists

If the stations stored in the waveband-specific station list can no longer be received, the AM and the DAB station lists must be updated.

### Note

The FM station list is updated automatically.

Select the corresponding list item in the waveband-specific menu to update a station list.

A station search is started. Once the search is finished, the station previously selected is played.

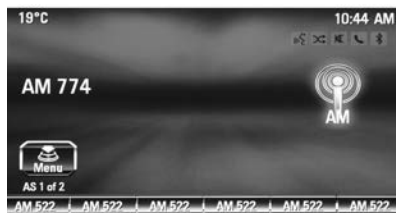
To cancel the station search, push the multifunction knob outer ring.

**Note**

If a waveband-specific station list is updated, the corresponding category list is also updated.

**Autostore lists**

The stations best received in a waveband can be stored in and selected from the autostore lists.



Each waveband has 2 autostore lists (**AS 1**, **AS 2**), in each of which 6 stations can be stored.

**Note**

The currently received station is highlighted.

**Automatic station storing**

Keep **AS** pressed until an autostore message is displayed. The 12 strongest stations in the current waveband are stored in the two autostore lists.

To cancel the autostore procedure, select **Cancel**.

**Storing stations manually**

Stations can also be stored manually in the autostore lists.

Set the station to be stored.

Press **AS** to open the autostore list or to switch to another autostore list.

To store the station in a list position: press the corresponding station button 1...6 until a confirmation message is displayed.

**Note**

Manually stored stations are overwritten in an automatic station storing process.

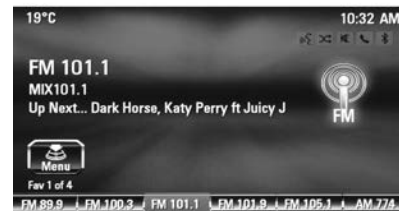
**Retrieving a station**

If required, press **AS** to open an autostore list or to switch to another autostore list.

Press one of the station buttons 1...6 to activate the station at the corresponding list position.

**Favourite lists**

Stations of all wavebands can be stored manually in the favourite lists.



6 stations can be stored in each favourite list. The number of available favourite lists can be set (see below).

**Note**

The currently received station is highlighted.

### Storing a station

Set the station to be stored.

Briefly press **FAV** to open a favourite list or to switch to another favourite list.

To store the station in a list position: press the corresponding station button 1...6 until a confirmation message is displayed.

### Retrieving a station

If required, briefly press **FAV** to open a favourite list or to switch to another favourite list. Press one of the station buttons 1...6 to activate the station stored in the respective location.

### Defining the number of favourite lists

Press **CONFIG** and then select the **Radio Settings**. Select **Number of Favourite Pages** to display the respective submenu.

Select the number of favourite pages you wish to be displayed.

## Digital audio broadcasting

Digital audio broadcasting (DAB) is an innovative and universal broadcast system.

### General information

- DAB stations are indicated by the programme name instead of the broadcasting frequency.
- With DAB, several radio programmes (services) can be broadcasted on a single frequency (ensemble).
- Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.
- As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.

- There is no fading (weakening of the sound) that is typical of AM or FM reception. The DAB signal is reproduced at a constant volume.

- Interference caused by stations that are on nearby frequencies (a phenomenon that is typical of AM and FM reception) does not occur with DAB.

If the DAB signal is too weak to be picked up by the receiver, the system switches over to the same programme on another DAB or FM station.

- If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably impaired in such cases.
- When DAB reception is enabled, the FM tuner of the Infotainment system remains active in the background and continually searches for the best receivable FM stations.

## DAB announcements

Besides their music programmes, lots of DAB stations also broadcast announcements of various categories.

When in the DAB main menu, push the multifunction knob outer ring to open the **DAB menu** and then select **Announcements**.

If you activate some or all categories, the currently received DAB service is interrupted when an announcement of these categories is made.

Activate the desired categories.

## CD Player

### General information

#### Important information about audio CDs and MP3/WMA CDs

The Infotainment system's CD player can play audio CDs and MP3/WMA CDs.

#### Caution

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

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

## File formats

### Audio CDs

The following CD formats can be used: CD-ROM Mode 1 and Mode 2; CD-ROM XA Mode 2, Form 1 and Form 2.

### MP3 CDs

The following file formats can be used: ISO9660 Level 1, Level 2, (Romeo, Joliet).

MP3 and WMA files written in any format other than listed above may not play correctly, and their file names and folder names may not be displayed correctly.

The following restrictions apply for the data stored on an MP3/WMA CD:

Number of tracks: max. 999.

Number of folders: max. 255.

Folder structure depth:  
max. 64 levels (recommended:  
max. 8 levels).

Number of playlists: max. 15.

Number of songs per playlist:  
max. 255.


Applicable playlist extensions: .m3u, .pls, .asx, .wpl.

## Usage

### Starting CD playback

Push the CD with the labelled side facing upwards into the CD slot until it is pulled in.

CD playback starts automatically and the **CD** or **MP3 CD** main menu is displayed.

If there is already a CD inserted, but the **CD** or **MP3 CD** main menu is not active, press  and then select **CD**.

The **CD** or **MP3 CD** main menu is displayed and CD playback is started.



Depending on the data stored on the audio **CD** or **MP3 CD**, more or less detailed information on the CD and the current music track are shown on the display.

#### Note

When an audio source is already active, you may toggle between the different audio sources by repeatedly pressing **SRCE**.

### Removing a CD

Press .


The CD is pushed out of the CD slot.

If the CD is not removed after ejection, it will be drawn back in again automatically after a few seconds.

### Track List

Turn the multifunction knob to display a list of all tracks on the CD.



#### Note

The currently playing track is marked by .



Select the desired track.

### Function buttons

#### Skipping to previous or next track

Press  or  once or several times to skip to the previous or next track.

#### Fast forwarding or rewinding

Press and hold  or  to fast forward or fast rewind the current track.

#### Pausing playback

Press  to pause playback.

### Audio menu

Push the multifunction knob outer ring to display the CD or MP3 menu.

**Note**

For a description of the functions in the MP3 menu ➔ 117.

**Shuffle function**

To play the tracks on the CD in random order, activate **Shuffle**.

To return to the normal playing order, deactivate **Shuffle**.

## External devices

### General information

Sockets for the connection of external devices are located in the centre console.

**Note**

The sockets must always be kept clean and dry.

### AUX input

It is possible to connect e.g. an iPod, Smartphone or another auxiliary device with a 3.5 mm jack plug to the AUX input. The Infotainment system can play music files contained in auxiliary devices.

When connected to the AUX input, the audio signal of the auxiliary device is transmitted via the speakers of the Infotainment system.

The volume can be adjusted via the Infotainment system. All other control functions must be operated via the auxiliary device.

### Connecting a device

To connect the auxiliary device to the AUX input socket of the Infotainment system, use the following cable:

3-pole for audio source.

To disconnect the AUX device, select another function and then remove the AUX device.

### USB port

An MP3 player, USB device, iPod or Smartphone can be connected to the USB port. The Infotainment system can play music files contained in auxiliary devices.

When connected to the USB port, the devices mentioned above can be operated via the controls and menus of the Infotainment system.

**Note**

Not all MP3 players, USB drives, iPod models or Smartphones are supported by the Infotainment system.

**Connecting/disconnecting a device**

Connect the device to the USB port. For the iPod, use the appropriate connection cable.

**Note**

If a non-readable USB device or iPod is connected, a corresponding error message will appear and the Infotainment system will automatically switch to the previous function.

To disconnect the USB device or iPod, select another function and then remove the USB storage device.

**Caution**

Avoid disconnecting the device during playback. This may damage the device or the Infotainment system.

**Bluetooth**

Bluetooth enabled audio sources (e.g. music mobile phones, MP3 players featuring Bluetooth, etc.), which support the Bluetooth music

profiles A2DP and AVRCP can be connected wirelessly to the Infotainment system.

The Infotainment system can play music files contained in Bluetooth devices, e.g. iPod or Smartphone.

**Connecting a device**

For a detailed description on the Bluetooth connection ⇨ 152.

**File formats****Audio files**

Only devices formatted in the FAT32, NTFS and HFS+ file systems are supported.

**Note**

Some files may not be played properly. This might be due to a different recording format or the condition of the file.

Files from online shops to which Digital Rights Management (DRM) has been applied cannot be played.

The playable audio file formats are .mp3, .wma, .aac and .m4a.

When playing a file with ID3 tag information, the Infotainment system can display information, e.g. on the track title and artist.

**Gracenote**

The Gracenote database contains information on media data currently available on the market.

When connecting external devices, the tracks or files are recognised by the Gracenote function.

If the Gracenote normalisation function is activated, spelling mistakes in MP3 tag data are automatically corrected. Due to this, media search results may be improved.

Press **CONFIG** and then select **Radio Settings**.


Select **Gracenote Options** to display the respective submenu.

Activate the Gracenote function.

## Playing audio

### Starting playback

If not connected, connect the device  
➔ 115.

Press  and then select **USB**, **AUX** or **Bluetooth**.



Example: An iPod connected through USB





### Function buttons

The media files on the USB and Bluetooth devices may be operated using the buttons on the instrument panel.

### Skipping to previous or next track

Press  or  once or several times to skip to the previous or next track.

### Fast forwarding or rewinding

Press and hold  or  to fast forward or rewind the current track.

### Pausing playback

Press /II to pause playback.

### Audio menus

To display the respective audio menu, push the multifunction knob outer ring.

#### Note

Not all menu items are available in all audio menus.



### Shuffle function

Push the multifunction knob outer ring to display the USB or Bluetooth menu.

To play the tracks on the respective device in random order, activate **Shuffle**.

To return to the normal playing order, deactivate **Shuffle**.

### Browsing

(only available in USB menus)

To search for a track within the structure, select one of the menu items, e.g. **Folders**, **Play Lists** or **Albums**.

Browse through the structure until you find the desired track.

Select the track to start playback.

### Individual playlists

The system allows new playlists to be created via the Gracenote function. Similar tracks are put together on a list automatically generated by the system.

Select the track around which you wish to create a new playlist.

Select **Play More Like This...** in the respective audio menu. A new playlist is created and stored in the **Play Lists** menu.

To delete a playlist generated by the system, select **Delete automatic playlist**. A list of all generated playlists is displayed. Select the playlist you wish to delete. The playlist is deleted.

## Using apps

### Pandora Internet Radio

Pandora® (if equipped) is a free Internet radio service that streams personalised radio stations based on artists, songs, genres, and comedians. Create stations using the Pandora website or smartphone application, then use thumbs up or thumbs down to personalise stations.

A phone or tablet with Internet connection and the Pandora application installed is required. Personal mobile phone data plans are used. Make sure the latest version is installed on the device and the volume is turned up.

To install Pandora:

- On an Android™ phone or Android Tablet, go to the Android Play Store and search for Pandora. Install to the phone, not to the SD card.
- On an iPhone®, iPad®, or iPod touch®, go to the iTunes® Store and search for Pandora.

### Launching Pandora


Connect the iPhone, iPad, or iPod touch to the USB port ⇨ 115, or connect an Android phone through Bluetooth ⇨ 152. For first-time use, set up stations before connecting to the vehicle. The Pandora icon will be available on the Home Page and the source pop-up displays if the latest application is installed on the device.

### Using the iPhone, iPod touch, or iPad

#### Warning

Do not use a mobile phone or auxiliary device when driving. Stop at a safe place to use a mobile phone or auxiliary device.

1. Plug the device into the USB port. The phone screen must be unlocked.
2. Before driving the vehicle, launch the application on the device, then do one of the following:

- ◆ Select **Pandora** on the Home Page.
- ◆ Press  and say **Tune Pandora**.

To relaunch Pandora, press **SOURCE**.

If nothing happens when the available Pandora screen button is selected, download the latest Pandora application and retry.

Pandora will always be highlighted on the Home Page when an iPhone, iPad, or iPod touch is connected using the USB port. To use, log into your account.

If the **Please See Device** message is shown, the login screen may display on the device.

If **Please unlock your phone or restart the app and try again** message is shown, your phone may be locked. Unlock the phone, close the app, then restart the app and make sure the Home Page is visible on the phone.

If the vehicle is shut off while tuned to Pandora and the iPhone, iPad, or iPod touch is left connected to the


USB port before the next ignition cycle, the radio will start playing Pandora when the vehicle is started.

If Pandora is shut down on the phone or another audio app is used, Pandora may not start on the next ignition cycle. If iPod source is selected, it may show iPod and then switch to Pandora.

### Using an Android Phone

#### **Warning**

Do not use a mobile phone or auxiliary device when driving. Stop at a safe place to use a mobile phone or auxiliary device.

1. Pair the Android phone using Bluetooth.
2. Before driving the vehicle, launch the application on the device, then do one of the following:
  - ◆ Select **Pandora** on the Home Page.
  - ◆ Press  and say **Tune Pandora**.

After Pandora has been launched, press **SOURCE** to access Pandora features.

If nothing happens when the available Pandora screen button is selected, download the latest Pandora application and retry.

If the **Please See Device** message is shown, the login screen may display on the device.

If **Please unlock your phone or restart the app and try again** message is shown, your phone may be locked. Unlock the phone, close the app, then restart the app to ensure proper communication.

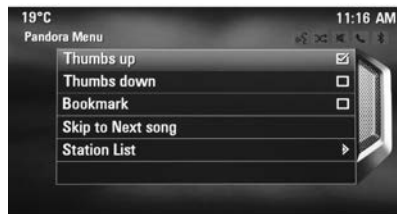
## Pandora Features



Pandora has features to rate tracks, skip tracks, or change stations.

Select **Menu** on the Pandora main page.

The **Pandora Menu** page is displayed with the following options:



**Thumbs up:** When selected, Pandora stores this information and a tick is displayed for the remainder of the track. This helps Pandora choose which tracks should play on this station.

**Thumbs down:** When selected, Pandora stores the information, changes to the next track, and does not play the track on this station again. This helps Pandora choose which tracks should not play on this station. This feature is only available on user-created stations.

**Bookmark:** Select while playing a track to bookmark either the track or the artist. Bookmarks are viewable on [www.pandora.com](http://www.pandora.com).

**Skip to Next song:** When selected, Pandora changes to the next track.

**Station List:** Select to display the following menu.




**Shuffle:** Select to play the stations in random order.

User-created stations: Select to play a user-created station.

### Tuning Pandora Stations

When Pandora is playing, use the control buttons on the steering wheel to tune to any Pandora station on the device.

1. Press the  button on the steering wheel.
2. Say **Tune Pandora <Classic Rock> Radio**.

Pandora voice control will not work until Pandora is launched the first time during that ignition cycle.

### Pandora Skip Limit

Pandora limits the number of skips allowed on their service. When the skip limit is reached, thumbs down will not skip the currently playing track, but thumbs down feedback will be recorded.

### Pandora Advertisement

Pandora may display advertisements. Artist name and track title will not be displayed and the skip track button is not available.

### Pandora Troubleshooting

#### Unable to Connect Device to Vehicle

If the device is unable to connect to USB or Bluetooth:

1. Turn the vehicle off.
2. Open and close the driver's door, wait about 30 seconds, and try to connect the device again.

#### Unable to Start Pandora

If the device is unable to launch Pandora:

- Check that the latest version of Pandora is installed.
- Check that there is an active account logged into Pandora.
- Have at least one station created.
- For Android, check that the device is paired with the vehicle, and the Bluetooth icon on the display is highlighted.

- For iPhone, iPod touch, or iPad devices, check that the USB cable is connected to the USB port and the screen is unlocked.
- Close Pandora on the device and launch again. Devices that allow multitasking may require an extra step to quit the Pandora application. For further information, see the mobile phone manufacturer's user guide.

#### Thumbs Up or Thumbs Down Error

If there is an error trying to rate a track with the thumbs up or thumbs down buttons, the message **Thumbs Down Error** or **Thumbs Up Error** will display. Select **OK** to retry.

#### Loss of Audio

Loss of Pandora audio can happen in different ways:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.

- If an iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, go to the Airplay icon on the device and select dock connector or disconnect and reconnect the dock connector on the device.
- The volume is too low. Turn up the volume on the device.
- The battery saver and task manager applications on the phone can cause Pandora to function incorrectly. Remove those apps from the phone or remove Pandora and Bluetooth from the task lists.

If the connection is lost between the application and device, a message **Please unlock your phone or restart the phone app and try again** will display. Select **OK** to retry.

If selecting **OK** does not clear the issue on the phone, see **Please Unlock Your Phone or Restart Phone App and Try Again** under "Common Pandora Messages" following.

### Common Pandora Messages

**Please See Device:** When not logged in or when authentication failed, see the device. Select **OK** to continue.

**Paused or Audio Paused:** Playback is paused on the radio or on the device. Select ►/II or Play on the device.

**No Stations Found:** Logged in but no stations have been created. Select **OK** to continue.

### **Please Unlock Your Phone or Restart Phone App and Try Again:**

Communication failure between the radio and the phone application or the device is locked.

Devices that allow multitasking may require an extra step to quit the Pandora application. Close Pandora on the device and launch again.

Unlock the phone and check that the Home Page is shown on the phone/device.

For further information, see the mobile phone manufacturer's user guide.

See [www.pandora.com/help](http://www.pandora.com/help) for more information. If the service does still not work, see your dealer for assistance.

### Stitcher Internet Radio

Stitcher SmartRadio® is an Internet radio service that streams news, sports, and entertainment shows through the audio system. Create personalised, on-demand stations or discover new shows through Stitcher's preset stations. To set up an account, download the application from the Android Play Store or iTunes Store, or go to [www.stitcher.com](http://www.stitcher.com).

A phone or tablet with Internet connection is required for this application. Personal mobile phone data plans are used. Make sure the latest version is installed on the device and the volume on the device is turned up.

BlackBerry phones are not supported for this application.

To install Stitcher:

- On an Android phone or Tablet with Internet connection, go to the Android Play Store, search for Stitcher, and install to the phone, not to the SD card.
- On an iPhone, iPad, or iPod touch, go to the iTunes store and search for Stitcher.

### Launching Stitcher


Connect the iPhone, iPad, or iPod touch to the USB port ⇨ 115, or connect an Android phone through Bluetooth ⇨ 152. For first-time use, set up the stations before connecting to the vehicle.

The Stitcher icon will be available on the Home Page and source pop-up displays if the latest application is installed on the device.

### Using the iPhone, iPod touch, or iPad

#### Warning

Do not use a mobile phone or auxiliary device when driving. Stop at a safe place to use a mobile phone or auxiliary device.

1. Plug the device into the USB port. The phone screen must be unlocked.
2. Before driving the vehicle, launch the application on the device, then do one of the following:
  - ◆ Select **Stitcher** on the Home Page.
  - ◆ Press  and say **Tune Stitcher**.
3. If Stitcher does not begin playing, select a category and then a station.

If nothing happens when the available Stitcher screen button is selected, download the latest Stitcher application and retry.

Stitcher will always be highlighted on the Home Page when an iPhone, iPad, or iPod touch is connected using the USB port. To use, log into your account.


If the **Please See Device** message is shown, the login screen may display on the device.

If **Please unlock your phone or restart the app and try again** message is shown, the phone may be locked. Unlock the phone, close the app, then restart the app and make sure the Home Page is visible on the phone/device.

### Using an Android Phone

#### Warning

Do not use a mobile phone or auxiliary device when driving. Stop at a safe place to use a mobile phone or auxiliary device.

1. Pair the Android phone using Bluetooth.
2. Before driving the vehicle, launch the application on the device, then do one of the following:
  - ♦ Select **Stitcher** on the Home Page.
  - ♦ Press  and say **Tune Stitcher**.
3. If Stitcher does not begin playing, select a category and then a station.

If nothing happens when the available Stitcher screen button is selected, download the latest Stitcher application and retry.

If the **Please See Device** message is shown, the login screen may display on the device.

If the **Please unlock your phone or restart the app and try again** message is shown, your phone may be locked. Unlock the phone, close the app, then restart the app to ensure proper communication.

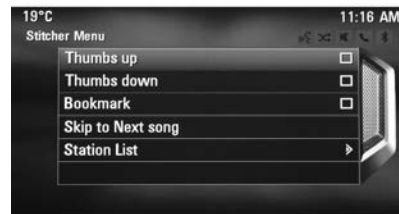
## Stitcher Features



Stitcher service has features to rate or skip shows, or change stations.

Select **Menu** on the Stitcher main page.

The **Stitcher Menu** page is displayed with the following options:



**Thumbs up:** When selected, Stitcher stores this information and a tick is displayed for the remainder of the show. This helps Stitcher provide a personalised listening experience.

**Thumbs down:** When selected, Stitcher changes to the next show. This helps Stitcher provide a personalised listening experience.

**Bookmark:** Select and store programs as favourites on the device. Favourite station lists can be created to include favourite shows which can be accessed through My On Demand Stations.

**Station List:** Select to display the following menu.



**My On Demand Stations:** Displays a list of favourite stations and shows.

**Stitcher Station Categories:** Displays categories by topic.

When a category, then sub-category is selected, the radio will start playing the first program in that sub-category.

Turn the Multifunction knob to bring up the first 24 stations of that sub-category.

**Current Station Playlist:** While listening to a show, turn the Multifunction knob to display the menu list of shows available for the current station.

### Stitcher Advertisement

Stitcher may display advertisements. Artist name and title may not display and the skip track button is not available.

### Stitcher Troubleshooting

**Unable to Connect Device to Vehicle**  
If the device is unable to connect to USB or Bluetooth:

1. Turn the vehicle off.
2. Open and close the driver door, wait about 30 seconds, and try to connect the device again.

The battery saver and task manager applications on the phone can cause Stitcher to function incorrectly. Remove those apps from the phone or remove Stitcher and Bluetooth from the task lists.

### Unable to Start Stitcher

If the device is unable to launch Stitcher:

- Check that the latest version of Stitcher is installed.
- Check that there is an active account logged into Stitcher.
- For Android devices, check that the device is paired with the vehicle, and the Bluetooth icon on the display is highlighted.
- For iPhone, iPod touch, or iPad devices, check that the USB cable is connected to the USB port, the screen is unlocked, and the Home Page is showing.
- Close Stitcher on the device and launch again. Devices that allow multitasking may require an extra step to quit the Stitcher application. For further information, see the mobile phone manufacturer's user guide.

**Loss of Audio**

Loss of Stitcher audio can happen due to:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio is lost.
- If any iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, go to the Airplay icon on the device and select dock connector or disconnect and reconnect the dock connector on the device.
- The volume is too low. Turn up the volume on the device.

If the connection is lost between the application and device, a message

**Please Unlock Your Phone or Restart the Phone App and Try Again** will display. Select **OK** to retry.

If selecting **OK** does not clear the issue, see **Please Unlock Your Phone or Restart Phone App and Try Again** under "Common Stitcher Messages" following.

**Common Stitcher Messages**

**Please Try Again Later:** A general error has occurred. A data connection may be unavailable due to a weak or lost signal or the Stitcher service being temporarily down. Select **OK** to continue.

**Paused or Audio Paused:** Playback is paused on the radio or on the device. Select ►/II or Play on the device.

**Please See Device:** When not logged in or when authentication failed, see the device. Select **OK** to continue. Disconnect the phone from the radio and follow the Stitcher account login process on the phone.

**No Stations Found:** Logged in but no stations have been created. Select **OK** to continue.

**Please Choose a New Station:** The end of the station has been reached and there is no more content to play. Select a new station through the Stitcher menu.

**Please Unlock Your Phone or Restart Phone App and Try Again:**

Communication failure between the radio and the phone application or the device is locked.

See [www.stitcher.com/help](http://www.stitcher.com/help) for more information. If the service does still not work, send an e-mail to [feedback@stitcher.com](mailto:feedback@stitcher.com) or see your dealer for assistance.

## Navigation

### General information

The navigation application will reliably guide you to your destination without the need to read maps.

The navigation application cannot, however, take into account traffic incidents, traffic regulations changed at short notice and hazards or problems that arise suddenly (e.g. road works).

#### Caution

The usage of the navigation system does not release the driver from the responsibility for a correct, vigilant attitude in road traffic. The relevant traffic regulations must always be followed. If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

### Functioning of the navigation application

The position and movement of the vehicle are detected by the navigation application using sensors. The travelled distance is determined by the vehicle's speedometer signal and turning movements on bends by a gyro sensor. The position is determined by the GPS satellites (Global Positioning System).

By comparing the sensor signals with the digital maps, it is possible to determine the position with an accuracy of approx. 10 metres.

The system will also work with poor GPS reception, however, the accuracy of the determination of the position will be reduced.


After the entry of the destination address or point of interest (nearest petrol station, hotel, etc.) the route is calculated from the current location to the destination selected.

Route guidance is provided by voice commands and a direction arrow, as well as with the aid of a multi-colour map display.

## Usage

### Information on the map display

To display the map around the current location, you may optionally:

- Press **NAVI**.
- Press  and then select **Navigation**.

### Route guidance not active



If route guidance is not active, the following information is displayed:

- In the top line: information on the audio source currently active and the time.
- Below the top line: **GPS** symbol.
- In the upper left corner: a compass that indicates the north direction.
- Map display of the area around the current position.
- Current position: indicated by a red triangle within a grey circle.
- Points of interest (POI), e.g. petrol stations, parking areas or restaurants: indicated by corresponding symbols (if activated).
- In the bottom line: street name of the current position.

## Route guidance active



If route guidance is active, the following information is displayed:

- In the top line: information on the audio source currently active and the time.
- Below the top line: **GPS** symbol.
- Below the top line: name of the street to follow after the next intersection.
- In the upper left corner: a compass symbol that indicates the north direction.
- Map display of the area around the current position.

- Current position: indicated by a red triangle within a grey circle.
- Route: indicated by a blue line.
- Final destination: indicated by a black chequered flag.
- Waypoint (intermediate destination): indicated by a red diamond.
- Points of interest (POI), e.g. petrol stations, parking areas, or restaurants: indicated by corresponding symbols (if activated).
- On the right side: direction arrow and distance to the next manoeuvre.
- On the right side: remaining distance to the final destination or to the next waypoint.
- On the right side: estimated arrival time or remaining travel time.
- In the bottom line: street name of the current position.

## Map manipulation

### Moving the visible map section

The visible map section on the map display can be moved freely in all directions using the Eight-way switch.

The Eight-way switch in the middle of the multifunction knob may be tilted in all directions.

Tilt the switch to one side. The visible map section moves in the respective direction.

To redisplay the map around the current location, press **BACK**.

### Changing the map scale

When the map is displayed, turn the multifunction knob to display a scale bar at the bottom of the screen.

Turn the multifunction knob again to adjust the scale as desired.

### Changing the map mode

The map may be displayed in three (route guidance not active), or five (route guidance active) different modes, see "Map setup" below.

Repeatedly press **NAVI** to toggle between the different map modes.

## Map setup

### Heading indicator

Push the multifunction knob outer ring to display the **Navigation Menu**.

Select **Heading Indicator** to display the respective submenu.

The following options are available:

- **2D North Up:** 2D view, north facing upwards.
- **2D Heading Up:** 2D view, driving direction facing upwards.
- **3D Heading Up:** 3D view, driving direction facing upwards.

Select the desired option.

### Map modes

Push the multifunction knob outer ring to display the **Navigation Menu**.

Select **Map Modes** to display the respective submenu.

The following options are available:

- **Full Map** ("Normal" view described above): Full screen map view, all functions and indication screen buttons displayed.
- **Full Glory:** Full screen map view, most functions and indication screen buttons hidden.
- **Split with Turn List:** Divided screen with map on the left and turn list on the right side.
- **Split with Turn Arrow:** Divided screen with map on the left side and turn arrow for the next turning manoeuvre on the right side.
- **Split with Media:** Divided screen with map on the left side and audio source currently active on the right side.

Select the desired option.

### Displaying POIs

Push the multifunction knob outer ring to display the **Navigation Menu**.

Select **Show POIs** to display the respective submenu.

If you wish all POIs available in the system to be displayed on the map, activate **Show all POIs**.

If you do not wish POIs to be displayed on the map, activate **Hide all POIs**.

To only display specific POIs, activate **User Defined** and then activate the POI categories you wish to be displayed.

### Changing screen information

The route information displayed on the screen during active route guidance may be customised.

Push the multifunction knob outer ring to display the **Navigation Menu**. Scroll through the list and select **Switch Route Time/Destination**.

### Time information

If you wish to change the time information displayed, select **Switch Arrival/Travel Time** to display the respective submenu.

Activate the information setting you wish to be displayed.

### Destination information

If you are in a waypoint trip, you may want to display the route information for a waypoint instead of those for the final destination.

To change the setting, select **Switch Waypoint/Destination**. A list of all destinations in the waypoint trip currently active is displayed.

Activate the information setting you wish to be displayed.

### Position information

#### Current position

Push the multifunction knob outer ring to display the **Navigation Menu**. Select **Current Position Info**.

On the right side of the screen, the current position is displayed on the map. On the left side, the GPS coordinates of the current position are shown.

#### Destination position

If route guidance is active, you may display information on the destination entered.

Push the multifunction knob outer ring to display the **Navigation Menu**. Select **Destination Position Info**.

On the right side of the screen, the destination is displayed on the map. On the left side, the address and the GPS coordinates of the destination are shown.

### Saving a position

The current position or a destination position may be saved in the address book.

Select **Save**. For a detailed description on saving addresses in the address book ⇨ 131.

### Route simulation

The Infotainment system features a route simulation mode for test purposes.

To start the simulation mode, press **CONFIG** and then select **Navigation Settings**.

Scroll through the list and select **Route Simulation** to display the respective submenu.

### Starting position

Since the simulation mode does not draw on the GPS signal providing the current position of the vehicle, a start position must be set manually.

### Use Last Known Position

To set the last position provided by a GPS signal as starting point, select **Use Last Known Position**.

### Use Previous Destination

To use one of the last destinations entered as starting point, select **Use Previous Destination**. The previous destinations list is displayed.

Select the desired address.

### Use Specified Location

To use a specific location as starting point, select **Use Specified Location**.

Enter an address. For a detailed description ↗ 131.

Simulation mode is started.

### Cancelling simulation mode

To leave the simulation mode, press **CONFIG** and then select **Navigation Settings**.

Scroll through the list and select **Route Simulation** to display the respective submenu.

Select **Cancel Route Simulation**.

### Additional route simulation menu

When route guidance is active in the simulation mode, an additional menu is displayed in the **Navigation Menu**.

Push the multifunction knob outer ring to display the **Navigation Menu**. Scroll through the list and select **Route Simulation** to display the respective submenu.

To stop the simulated route guidance, select **Stop Simulation**. The guidance process is stopped, the route guidance mode remains active.

To display the next simulated turning manoeuvre on the map, select **Next Manoeuvre**.

### Destination input

The **Destination** application provides different options to set a destination for route guidance.

Press **DEST** (when route guidance is not active) to display the **Destination Entry** menu.



### Manual address entry

#### Address Entry menu

Press **DEST** to display the **Destination Entry** menu and then select **Address Entry** to display a mask for address entry.



Select the Country entry field. A list is displayed. Select the desired country.

Select the City/Suburb entry field to display a keyboard. Enter the desired city or suburb name (see below).

Select the Street entry field to redisplay the keyboard. Enter the desired street name (see below).

You may then enter a house number or junction.

Select the House number or Junction entry field. The keyboard is redisplayed. Enter the desired number or street name (see below).

### Note

If a house number is not stored in the system database, the house number closest to the destination entered is used for route calculation.

If required, confirm your input.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

### Keyboard

Depending on the function selected, the keyboards may be displayed differently.



To change the letter arrangement on the letter keyboard, select **ABC** on the left side of the keyboard. The letters are now arranged in alphabetical order.

To enter a character sequence, successively select the desired characters.

### Note

When entering an address, the keyboard uses an intelligent spelling function which automatically blocks out characters that cannot occur next in the respective character sequence.

To enter special characters not available on the letter keyboard, select **ÄÖ** at the right side of the letter keyboard. The special characters keyboard is displayed. Select the desired character.

To enter numbers or symbols, select **Sym** at the right side of the special characters keyboard. The symbols keyboard is displayed. Select the desired character.

To redisplay the letter keyboard, select **ABC** at the right side of the symbol keyboard. This way you may toggle between the three keyboards.

To delete characters already entered, select **Delete** at the right side of the respective keyboard or press **BACK**.

When entering an address, a list of matching entries is automatically displayed as soon as the number of matching entries found in the address memory is equal to or less than six.

To manually display a list of matching entries for the current input, select the respective **List** screen button at the bottom of the keyboard.

To display the last five entries made, select **Last 5** at the bottom of the keyboard.

Select the desired entry from the list.

If required, select the confirmation button displayed at the bottom of the keyboard.

## Points of Interest

A point of interest is a specific location that might be of general interest, e.g. a petrol station, parking area or restaurant.

The data stored within the Infotainment system contain a great number of predefined POIs which are indicated by symbols on the map.

These POIs may be selected as destinations for route guidance.

## Search menu

A POI may be selected using different search masks.

Press **DEST** to display the **Destination Entry** menu and then select **Points of Interest** to display the **POI List** menu.

Select **Category:**, **Name:** or **Telephone number**. The respective search mask is displayed.



Fill out the entry fields in the respective search mask.

## Category search mask

Select the Location entry field to display a list. Select the desired option.

Select the Category entry field to display a POI category list. Select the desired category and then a subcategory from the list.

Select the Sort Method entry field to display the respective submenu. Select **By Distance** or **By Name**.

Select **Search** at the bottom of the screen. A list of POIs or POI categories is displayed corresponding to the criteria entered. Select the desired menu item.

#### **Name search mask**

Select the Country entry field to display a list of all available countries. Select the desired country.

To specify the location, select the entry field for the city or suburb. A keyboard is displayed. Enter the desired name or number.

Select the Sort Method entry field to display the respective submenu. Select **By Distance** or **By Name**.

Select **Search** at the bottom of the screen. The keyboard is redisplayed. Enter the name of the desired POI.

#### **Telephone number search mask**

Select the Country entry field to display a list of all available countries. Select the desired country.

Select the Sort Method entry field to display the respective submenu. Select **By Distance** or **By Name**.

Select the Number entry field to display a keypad. Enter the desired number.

When the respective search mask is filled out, a confirmation menu is displayed.

Select **Start Guidance** to start route guidance.

#### **Category lists**

Press **NAV** and then push the multifunction knob outer ring to display the **Navigation Menu**. Select **Nearby POIs** or **POIs Along Route**. A POI category list is displayed.

Select the desired category, subcategories and then POI.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

#### **Previous Destinations**

The last destinations selected or entered for route guidance are stored within the system.

Press **DEST** to display the **Destination Entry** menu and then select **Previous Destinations**.

A list of the last destinations is displayed sorted in reverse chronological order.

Select the desired address from the list.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

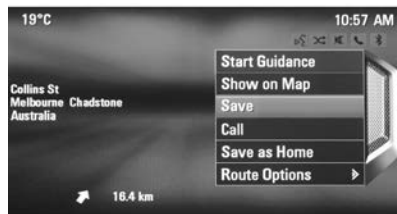
#### **Address Book**

The **Address Book** provides local storage space for addresses entered in the navigation application.

#### **Storing addresses in the address book**

To store an address in the address book, press **DEST** to display the **Destination Entry** menu.

Enter or select the desired address. The confirmation menu is displayed.



Select **Save**. The **Address Book Entry** mask is displayed.



Depending on the information available, the different entry fields are already filled.

To enter or modify the name of the respective location, select the Name entry field. A keyboard is displayed. Enter the desired name and confirm your input.

To modify the address, select the Address entry field. The address entry mask is displayed. Make your changes and confirm your input.

To enter or modify the phone number, select the Number entry field. A keypad is displayed. Enter the desired number.

If activated  $\hookrightarrow$  127, the address book entries are indicated on the map by POI icons. To change the icon indicating an address entry, select the Icon entry field. A list of all POI icons available within the system is displayed.

Scroll through the list and select the desired icon.

Select **Done** at the bottom of the entry mask. The address is stored.

### Selecting addresses from the address book

Press **DEST** to display the **Destination Entry** menu and then select **Address Book**. A list of all address book entries is displayed.



Select the desired entry.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

### Editing addresses in the address book

Press **DEST** to display the **Destination Entry** menu and then select **Address Book**. A list of all address book entries is displayed.

Select the desired entry.

A confirmation menu is displayed. Select **Edit** to display the **Address Book Entry** mask.

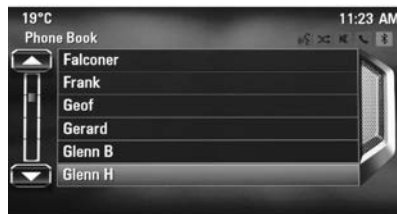
Make your changes and confirm your input. The changes are stored in the address book.

### Phone Book

Addresses stored in the phone book of the mobile phone connected may be selected as destinations.

Press **DEST** to display the **Destination Entry** menu and then select **Phone Book**. The **Phone Book Search** menu is displayed.

Select the desired first letter range to display a preselection of the telephone book entries you wish to be displayed. The phone book jumps to the position of the letter range selected.



Select the desired entry in the telephone book to display the address saved under this entry. Select the address.

#### Note

When the Infotainment system cannot find a valid address, you are prompted with a message.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

### Destination selection from the map

Destinations (addresses or POIs) may also be set via the map.

Press **NAVI** to display the map.

Use the Eight-way switch to centre the map around the desired destination. A red circle is indicated on the map and the corresponding address is displayed on a label.



Push the multifunction knob outer ring to activate **Go**.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.

**Note**

If there is more than one POI located at the map position selected, this is indicated on the label. Activating **Go** then opens a list for selection.

**My Home**

You can permanently store your home address in the system.

**Storing the home address**

Press **DEST** to display the **Destination Entry** menu.

Enter your home address.

A confirmation menu is displayed. Select **Save as Home**.

You are prompted with a message. Confirm the message to save your home address.

**Note**

The home address is also stored in the address book.

**Selecting the home address**

Press **DEST** to display the **Destination Entry** menu and then select **My Home**.

Route guidance to the home address is started immediately.

**Waypoint routes**

When a destination has been entered and route guidance is active, intermediate destinations (waypoints) may be added to the route.

To set up a waypoint route during active route guidance, press **DEST** to open the **Route Menu** and then select **Destination List**. A submenu is displayed.

**Adding waypoints**

To add an intermediate destination, select **Add Waypoint**. The waypoint list is displayed.



Select **Add** at the position where you wish to add a waypoint. The **Destination Entry** menu is displayed.

Enter or select the desired destination. The confirmation menu is displayed.

Select **Add**. The route is recalculated and the waypoint list is redisplayed with the intermediate destination at the position selected.

**Note**

Up to four destinations may be stored in a waypoint list.

**Deleting waypoints**

To delete a waypoint, select **Delete Waypoint**. The waypoint list is displayed.

Select **Delete** next to the waypoint you wish to delete.

The waypoint is deleted and the waypoint list is redisplayed.

To delete the whole list and end route guidance, select **Delete All Destinations**.

**Moving waypoints**

To change the order of the waypoints in the route, select **Sort Waypoints**.

Select **Move** next to the waypoint you wish to move. The **Add Waypoint** menu is displayed.

Select **Add** at the position where you wish to drop the respective waypoint.

The route is recalculated and the order of the waypoints in the waypoint list is changed.

**Favourite Routes****Storing waypoint routes**

A waypoint route created (see above) may be saved as favourite route.

During an active waypoint route, press **DEST** to open the **Route Menu** and then select **Destination List**. A submenu is displayed.

Select **Save as favourite route**. A keyboard is displayed.

Enter a name for the favourite route and confirm your input.

The waypoint route is saved.

**Creating new favourite routes**

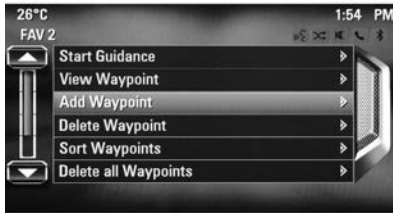
Press **DEST** to display the **Destination Entry** menu and then select **Favourite Routes** to display the **Favourite Route** menu.

Select **New Favourite Route**. A keyboard is displayed.



Enter a name for the favourite route and confirm your input. The **Favourite Route** menu is redisplayed.

Select the desired favourite route. A menu is displayed.



Create a waypoint route (see above).

To change the name of the respective favourite route, select **Edit Name**. The keyboard for name entry is displayed. Enter the desired name and confirm your input

To delete the respective favourite route, select **Delete Favourite**. The favourite route is deleted and the **Favourite Route** menu is redisplayed.

### Selecting a favourite route

Press **DEST** to display the **Destination Entry** menu and then select **Favourite Routes** to display a list of the favourite routes saved.

Select the desired route from the list. The route confirmation menu is displayed.

To start route guidance, select **Start Guidance**.

### Latitude / Longitude

The GPS coordinates of a desired location may be used to set a destination.

Press **DEST** to display the **Destination Entry** menu and then select **Latitude**.

Select the Latitude entry field to display the **Geolocation Entry** menu.



Repeatedly push the multifunction knob outer ring to adjust the first setting as desired.

Turn the multifunction knob to move to the next value to be set.

Proceed like this to set all values.

Select **BACK** to return to the next higher menu level.

Adjust the longitude values as described above.

When all GPS coordinates are entered, select **Search** at the bottom of the screen.

A confirmation menu is displayed.

To start route guidance, select **Start Guidance**.

### Deleting saved destinations

To delete destinations stored in the system, press **CONFIG**, select **Navigation Settings** and then **Delete Saved Destinations**. A submenu is displayed.

Activate the menu items of the storage location you wish to be cleared.

Select **Delete**. The selected storage locations are cleared.

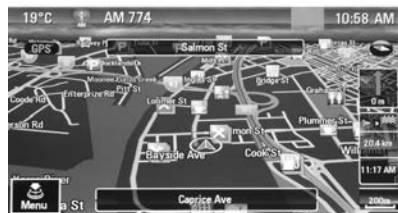
## Guidance

### Starting and cancelling route guidance

#### Starting route guidance

Enter or select the desired address.

A confirmation menu is displayed. Select **Start Guidance** to start route guidance.



#### Cancelling route guidance

When route guidance is active, press **DEST** to display the **Route Menu**.

Select **Cancel Route** to cancel the current navigation session.

#### Guidance instructions

Route guidance is provided by voice prompts and visual instructions on the map (if activated).

#### Voice prompts

Navigation voice prompts announce which direction to follow, when approaching an intersection at which you need to turn.

Press **CONFIG** and then select **Navigation Settings**.

Select **Voice Prompt** to display the respective submenu.

If you wish the system to audibly indicate the next turning manoeuvre, activate **Navigation Voice Prompts**.

To adjust the volume during voice prompts, select **Navigation Volume**. The respective submenu is displayed.

To adjust the volume of voice prompts, select **Announcement** and then adjust the setting as desired.

To adjust the volume of the audio source possibly playing in the background, select **Background** and then adjust the setting as desired.

Select **Volume Test** to get an audio example of the settings.

#### Guidance alerts

Guidance alerts show in a close-up view of the respective map section which direction to follow when approaching an intersection at which you need to turn.

Press **CONFIG** and then select **Navigation Settings**.

Select **Guidance Alert** to display the respective submenu.

If you wish the display to automatically show the map when approaching the next turning manoeuvre, activate **Guidance Alert in Primary**.

If you wish turning manoeuvres to be displayed in a close-up view, activate **Guidance Alert in Map**.

## Route tracking

The bread crumbs function allows tracking of the roads already taken in a route.



Press **CONFIG** and then select **Navigation Settings**. Select **Bread Crumbs** to display the respective menu.

To start a tracking session, activate **Record**. The route taken is recorded and displayed as dotted line on the map.

To delete the bread crumbs already dropped in an active tracking session, select **Delete**. You are prompted with a message. Confirm the message to delete all bread crumbs.

To end the tracking session, deactivate **Record**. A keyboard is displayed.

Enter a name for the respective tracking session and select **Done**. The session is stored in the **Saved** list.

To display a list of all tracking sessions, select **Saved**. Select the desired tracking session to display the **Bread Crumb Details** menu.

To change the name of the respective tracking session, select **Edit Name**. A keyboard is displayed. Enter the desired name and select **Done**.

Select **Load** to display the bread crumb main menu. If you wish the respective tracking session to be constantly displayed on the map, activate **Display**.

To directly display the whole tracking session in the respective map section, select **Show on Map**.

To delete the respective tracking session, select **Delete**.

## Routing

When a route has been calculated, you may manually change certain parts or recalculate the whole route.

## Turn List

The **Turn List** displays all streets and turning manoeuvres on the calculated route starting from the current location.

Press **DEST** and then select **Turn List**. The turn list is displayed.



To exclude certain streets from the route, select **Avoid** next to the respective street.

The route is recalculated and the respective street is excluded.

### Avoid List

When streets have been excluded from the original route, they are displayed in the **Avoid List**.

Press **DEST** and then select **Avoid List** to display the respective submenu.

To display all streets avoided, select **View List**.

To delete all avoidances and return to the original route, select **Delete All Items**.

### Detour

Press **DEST** and then select **Detour**.

To change the route for a certain distance, select **Detour By Distance**. A menu listing different distances is displayed.

Select the desired distance. The route is recalculated accordingly.

To block the whole route, select **Detour Complete Route**. The original route is blocked and a new route to the desired destination is calculated.

### Exit list

To display a list of the next exits and motorway stations while driving on a motorway, press **NAV** and then push the multifunction knob outer ring to display the **Navigation Menu**.

Scroll through the list and select **Exit List**.

### Route options

When route guidance is active, press **DEST** and then select **Route Options**.

A list of route calculation options and road types is displayed.

To define by what criteria a route may be calculated, activate one of the options: **Fastest** for the fastest route (in time), **Shortest** for the shortest route (in distance) or **Eco** for the route with the lowest fuel consumption.

To define which road types may be included in the calculation of the route, activate the desired options: highways, tollroads, ferries, etc.

## Speech recognition

### General information

#### Embedded speech recognition

The speech recognition of the Infotainment system enables you to operate various functions of the Infotainment system via voice input. It recognises commands and numeric sequences independently of the relevant speaker. The commands and numeric sequences can be spoken without a pause between the individual words.

In the event of incorrect operation or commands, the speech recognition gives visual and/or acoustic feedback and requests you to re-enter the desired command. Apart from this, the speech recognition acknowledges important commands and will enquire if necessary.

In general, there are different ways to speak commands for completing the tasks. Most of them, except

destination entry and voice keypad, can be completed in a single command.

If the action takes more than one command to be performed, proceed as follows:

In the first command, you indicate the type of action to be performed, e.g. "Navigation destination entry". The system replies with prompts that lead you through a dialogue for entering the necessary information. For example, if a destination for route guidance is needed, say "Navigation" or "Destination entry".

#### Note

To ensure that conversations inside the vehicle do not lead to unintentional triggering of the system functions, the speech recognition does not start until it has been activated.

#### Language support

- Not all languages available for the display of the Infotainment system are also available for the speech recognition.
- If the currently selected display language is not supported by the speech recognition, speech recognition is not available.

In such a case you must select another language for the display if you want to control the Infotainment system via voice input. Changing the display language, see "Language" in chapter "System settings" ➔ 107.

#### Input order for destination addresses

The order in which the parts of an address need to be entered using the speech recognition system are given out by the system.

## Voice pass-thru application

The voice pass-thru application of the Infotainment system allows access to the speech recognition commands on your smartphone. See operating instructions for your smartphone to find out whether your smartphone supports this feature.


## Usage


### Embedded speech recognition

#### Activating speech recognition

##### Note

Speech recognition is not available during an active phone call.

Press  on the right side of the steering wheel.

The audio system mutes,  on the display is highlighted, and a voice output message prompts you to say a command.

As soon as the speech recognition is ready for voice input, a beep is heard.


You can now say a voice command to directly initiate a system function (e.g. playing a radio station), or to start a dialogue sequence with several dialogue steps (e.g. entering a destination address), see "Operation via speech commands" further below.

After a dialogue sequence is finished, the speech recognition is deactivated automatically. To initiate another dialogue sequence, you must activate the speech recognition again.

#### Adjusting the volume of voice prompts

Press + or – on the right side of the steering wheel.


#### Interrupting a voice prompt

As an experienced user, you can interrupt a voice prompt by briefly pressing  on the steering wheel.

A beep is heard immediately, and a command can be stated without having to wait.

## Cancelling a dialogue sequence

There are several possibilities to cancel a dialogue sequence and to deactivate the speech recognition:

- Say "Cancel" or "Exit".
- Press  on the right side of the steering wheel.

In the following situations a dialogue sequence is automatically cancelled:

- If you do not say any commands for some time (by default you are prompted three times to say a command).
- If you say commands that are not recognised by the system (by default you are prompted three times to say a correct command).

## Operation via speech commands

The speech recognition can understand commands that are either naturally stated in sentence form, or direct commands stating the application and the task.

For best results:

- Listen for the voice prompt and wait for the beep before saying a command or replying.
- Say "**Help**" if you want to listen again to the help prompt for the current dialogue step.
- The voice prompt can be interrupted by pressing  $\text{⏏}$  again. If you wish to directly speak your command, press  $\text{⏏}$  twice.
- Wait for the beep and then speak the command naturally. In most cases, recognition rates will be higher if pauses are kept to a minimum. Use short and direct commands.

Usually phone and audio commands can be spoken in a single command. For example, "Call David Smith at work", "Play" followed by the artist or song name, or "Tune to" followed by the radio frequency and the waveband.

Navigation destinations, however, are too complex for a single command. First, state "Navigation"

and then, e.g. "Address" or "Point of Interest". The system responds with requesting more details.

After saying "Point of Interest", only major chains may be selected by name. Chains are businesses with at least 20 locations. For other POIs, say the name of a category, e.g. "Restaurants", "Shopping centres", or "Hospitals".

Direct commands are easier understood by the system, e.g. "Call 01234567".

If you say "Phone", the system understands that a phone call is requested and responds with respective questions until enough details are gathered. If the phone number has been saved with a name and a place, the direct command should include both, for example "Call David Smith at work".

### Selecting list items

When a list is displayed, a voice prompt asks to confirm or select an item from that list. A list item may be manually selected, or by speaking the line number of the item.

The list on a speech recognition screen functions the same as a list on other screens. Manually scrolling the list on a screen during a speech recognition session suspends the current speech recognition event and plays a prompt like "Make your selection from the list using the manual controls, or press **BACK** on the faceplate to try again".

If no manual selection is made within 15 seconds, the speech recognition session terminates, you are prompted with a message, and the former screen is redisplayed.

### The "Back" command

To return to the previous dialogue step, alternatively: say "**Back**", or press **BACK** on the instrument panel.


### The "Help" command

After saying "**Help**", the help prompt for the current dialogue step is read aloud.

To interrupt the help prompt, press  $\text{⏏}$  again. A beep is heard. You may say a command.

## Voice pass-thru application

### Activating the voice pass-thru speech recognition


Press and hold  on the right side of the steering wheel until a speech recognition session is started.

Find further information in the operating instructions for your smartphone.

### Adjusting the volume of voice prompts

Press + or – on the right side of the steering wheel.

### Deactivating the voice pass-thru speech recognition

Press  on the right side of the steering wheel. The speech recognition session is ended.

## Speech commands overview

The table below contains an overview of the most important speech commands.

Menu	Action	Speech commands
All menus	Confirming a system question	"(Yes   Right   OK   Yeah   Yep   Correct)"
	Negating a system question	"(No   Incorrect   Wrong   Nope)"
	Cancelling a session	"Cancel"
	Returning to previous step	"([Go] Back   Return   Previous)"
	Asking for assistance	"(Help   Assistance)   (Help   Assist) Me" "More Commands"
	Activating or deactivating "Verbose"	"[Set] Verbose On" "[Set] Verbose Off"
	Requesting the current music source	"("What's"   What is) playing [now]"

---

Menu	Action	Speech commands
Radio menu	Selecting a waveband	"[Tune [to]   Select] F M [Radio]" "[Tune [to]   Select] A M [Radio]" "[Tune [to]   Select] D A B [Radio]"
	Selecting a station	"Tune F M ..." "Tune A M ..." "Tune D A B ..."
Media menu	Selecting a media source	"[Play   Select] C D" "[Play   Select] U S B" "[Play   Select] [Front] AUX" "[Play   Select] Bluetooth Audio"
	Selecting a search category	"Play Artist ..." "Play Album ..." "Play Genre ..." "Play Folder ..." "Play Playlist ..." "Play Composer ..." "Play Audiobook ..."
	Selecting a song	"Play Song ..."

---

Menu	Action	Speech commands
Navigation menu	Entering a destination	<p>"Directed [Destination] Address [entry]   (enter   go to   navigate to) [Destination] Address Directed"</p> <p>"(Navigation   Destination)", "[Destination] Address [entry]   (Enter   Go to   Navigate to) [Destination] Address"</p> <p>"(Navigation   Destination)", "[Destination] (Intersection   Junction)"</p>
	Entering a POI	<p>"(Navigation   Destination)", "(P O I   (Place   Point) of Interest)"</p> <p>"(Navigation   Destination)", "(P O I   (Place   Point) of Interest) (nearby   near me)"</p> <p>"(Navigation   Destination)", "(P O I   (Place   Point) of Interest) (around   near) destination"</p> <p>"(Navigation   Destination)", "(P O I   (Place   Point) of Interest) along [the] (route   way)"</p>
	Entering the home address	"(Navigation   Destination)", "[Go] [to] Home"
	Asking for the current location	"(Navigation   Destination)", "Where am I   [My] Current Location   What is My Current Location"

Menu	Action	Speech commands
Navigation menu	Adding a waypoint	"(Navigation   Destination)", "Add Waypoint Directed Address"
		"(Navigation   Destination)", "Add Waypoint ([Destination] Address [entry]   (Enter   Go to   Navigate to) [Destination] Address)"
		"(Navigation   Destination)", "Add Waypoint (P O I   (Place   Point) of Interest)"
		"(Navigation   Destination)", "Add Waypoint (Intersection   Junction)"
		"(Navigation   Destination)", "Add Waypoint [(Go   Navigate) to] Contact"
		"(Navigation   Destination)", "Add Waypoint [(Go   Navigate) [to]] Home"
	Deleting a waypoint	"(Navigation   Destination)", "Delete Waypoint"
	Cancelling route guidance	"(Navigation   Destination)", "(Stop   Cancel   Turn Off   End) (Navigation   [My] [Current] Route   Directions   Route Guidance)"
	Activating/ deactivating voice guidance	"[Set   Turn] Voice Guidance On" "[Set   Turn] Voice Guidance Off"

Menu	Action	Speech commands
Phone menu	Pairing device	"(Pair   Connect) [Device]"
	Dialling a number	"Digit Dial" "(Call   Dial   Ring) ..."
	Redialling the last number	"Redial [Last Number]"
	Erasing digits	"(Clear   Erase)" "(Clear   Erase) All"
	Reading a text message	"[Read] (Messages   Texts   S M S)"

... : dynamic spacer stands for the specific names to be inserted in that position

| : vertical bar separates alternatives

() : round brackets embrace alternatives

[] : square brackets designate optional parts in a command

, : comma separates necessary steps in a sequence

## Phone

### General information

The Phone portal provides you with the possibility of having mobile phone conversations via a vehicle microphone and the vehicle loudspeakers as well as operating the most important mobile phone functions via the Infotainment system in the vehicle. To be able to use the Phone portal, the mobile phone must be connected with it via Bluetooth.

The Phone portal can be operated optionally via the speech recognition system.

Not all Phone portal functions are supported by every mobile phone. The possible phone functions depend on the relevant mobile phone and network provider. You will find further information on this in the operating instructions for your mobile phone or you can enquire about them with your network provider.

### Important information for operation and traffic safety

#### Warning

Mobile phones have effects on your environment. For this reason safety regulations and directions have been prepared. You should be familiar with the related directions before you use the telephone function.

#### Warning

Use of the hands-free facility while driving can be dangerous because your concentration is reduced when telephoning. Park your vehicle before you use the hands-free facility. Follow your local regulations.

Do not forget to follow the special regulations that apply in specific areas and always switch off the mobile phone if the use of mobile phones is prohibited, if

interference is caused by the mobile phone or if dangerous situations can occur.

### Bluetooth

The Phone portal is certified by the Bluetooth Special Interest Group (SIG).

You will find further information about the specification on the Internet at <http://www.bluetooth.com>

### Bluetooth connection

Bluetooth is a radio standard for the wireless connection of e.g. mobile phones, iPod/iPhone models, or other devices.

To be able to set up a Bluetooth connection to the Infotainment system, the Bluetooth function of the Bluetooth device must be activated. For further information, please consult the operating instructions for the Bluetooth device.

Via the **Bluetooth** menu, pairing (PIN code exchange between Bluetooth device and Infotainment system) and

connecting of the Bluetooth devices to the Infotainment system are carried out.

### Important information

- Up to five devices can be paired to the system.
- Only one paired device can be connected to the Infotainment system at a time.
- Pairing normally only needs to be carried out once, unless the device is deleted from the list of paired devices. If the device has been connected previously, the Infotainment system establishes the connection automatically.
- Bluetooth operation considerably drains the device's battery. Therefore, connect the device to the power outlet for charging.

### Bluetooth menu

To open the **Bluetooth** menu, press **CONFIG**. Select **Phone Settings** and then **Bluetooth**.

The menu items **Device list** and **Pair device** are displayed.

### Pair device

To initiate the pairing process on the Infotainment system, select **Pair device**. A message with a four-digit Infotainment system code is displayed.

Initiate the pairing process on the Bluetooth device. If required, enter the Infotainment system code on the Bluetooth device.

A six-digit PIN code for the pairing process is displayed on the Infotainment system.

To confirm the pairing process:

- If SSP (secure simple pairing) is supported:  
Compare the PIN codes displayed on the Infotainment system and on the Bluetooth device (if demanded) and confirm the message on the Bluetooth device.
- If SSP (secure simple pairing) is not supported:  
Enter the PIN code on the Bluetooth device and confirm your input.

The devices are paired and the phone main menu is displayed.

The phone book and call lists (if available) are downloaded from the Bluetooth device.

If required, confirm the corresponding message on the Bluetooth device.

### Device list

The device list contains all Bluetooth devices paired to the Infotainment system.



If a new device is paired, it is displayed in the device list.

### Connecting a device

Select the device you wish to connect. A submenu is displayed.

Select **Select**.

The device previously connected is disconnected and this device is connected.

### Deleting a device

Select the device you wish to delete. A submenu is displayed.

Select **Delete**.

The device is deleted.

## Emergency call

### ⚠ Warning

Connection setup cannot be guaranteed in all situations. For this reason you should not rely exclusively on a mobile phone when a vitally important communication (e.g. a medical emergency) is concerned.

In some networks it may be necessary for a valid SIM card to be properly inserted in the mobile phone.

### ⚠ Warning

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

### Making an emergency call

Dial the emergency call number (e.g. **000**).

The telephone connection to the emergency call centre is set up.

Answer when the service personnel questions you about the emergency.

### ⚠ Warning

Do not end the call until you are requested to do so by the emergency call centre.

## Operation

As soon as a connection via Bluetooth has been set up between your mobile phone and the Infotainment system, you can also operate many functions of your mobile phone via the Infotainment system.

After setting up a connection between the mobile phone and the Infotainment system, the mobile phone data is transmitted to the Infotainment system. This can take some time depending on the phone model. During this period, operation of the mobile phone is possible via the Infotainment system only to a limited extent.

Not every telephone supports all functions of the phone application. Therefore, deviations from the range of functions described are possible.

## Phone main menu

To display the phone main menu, press **PHONE**. The following screen is displayed (if a mobile phone is connected).



## Initiating a phone call

### Entering a number

Press **PHONE** and then select **Enter number**. A keypad is displayed.



Enter the desired number.

Select **Del** on the screen or press **BACK** on the instrument panel to delete the last digit entered.

Select **▶** or **◀** to move the cursor within the number already entered.

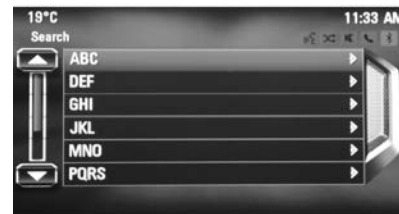
To start dialling, select **OK**.

### Note

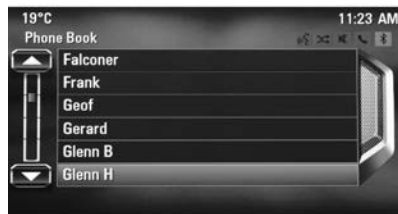
You may access the phone book from the keypad by pressing **PB**.

### Phone book

Press **PHONE** and then select **Phone Book**. The **Phone Book Search** menu is displayed.



Select the desired first letter range to display a preselection of the telephone book entries you wish to be displayed. The phone book jumps to the position of the letter range selected.



Select the desired entry in the telephone book to display the numbers saved under this entry.

Select the desired number to start dialling.

### Phone book sorting

The phone book may be sorted by last name or by first name.

To change the sorting order, select **PHONE** and then **Phone Settings**.

Select **Sort Order** to display the respective submenu.

Activate the desired option.

### Call lists

Press **PHONE** and then select **Call Lists**. The **Call Lists** menu is displayed.



Select the desired call list. Depending on the list selected, the last incoming, outgoing or missed calls are displayed.

Select the desired entry in the call list to start dialling.

### Incoming calls

When a call comes in, a message is displayed on the screen.



To take the call, select **Answer**.

To reject the call, select **Decline**.

### Functions during a phone call

When a call is active, the in-call view is displayed.



### Ending a phone call

To end the call, select **Hang up**.

### Muting a call

To temporarily mute the microphone, activate **Mute call**.

Deactivate **Mute call** to unmute the microphone.

### Transferring to handset

Select **Transfer to Handset** to transfer the call to the mobile phone. The **Private Call** menu is displayed.

To transfer the call back to the Infotainment system, select **Transfer call** in the **Private Call** menu.

## Second phone call

### Initiating a second phone call



While a call is active, select **Enter number** in the in-call view. The keypad is displayed. You may enter a number or select a number from the phone book, see above.

### Second incoming phone call

When a second call comes in, a message is displayed at the bottom of the screen.

Select the desired option.

If the call is taken, the first call is put on hold and the second call becomes active.

Both calls are displayed in the in-call view.

To switch between the calls, select **Switch calls**.

### Conference call

Select **Merge calls** to activate both calls at the same time.

**Merge calls** changes to **Detach call**.

To end a conference call, select **Detach call**.

### Ending phone calls

In a conference call, select **Hang up** to end both phone calls.

## Text messages

As soon as a connection via Bluetooth has been set up between your mobile phone and the Infotainment system, you can operate the messages inbox of your mobile phone via the Infotainment system.

Not every phone supports the text messages function of the Infotainment system.

### Activating the messages application on the mobile phone

The transmission of text message data to the Infotainment system must be activated on the mobile phone.

After connecting to the Infotainment system you may be prompted with a message on your mobile phone requesting permission to access the mobile phone text messages via the Infotainment system. Confirm the message.

If no message is displayed, access the Bluetooth menu on your mobile phone, select the name of the Infotainment system and activate the corresponding access function.

#### Note

Find detailed information for granting access on different mobile phones on our website, <http://www.holden.com.au/ownership/techconnect>.

The **Messages** icon in the Home menu of the Infotainment system is then selectable.

### Incoming text message

When a new text message is received, you are prompted with a message indicating the name or number of the sender.

Select one of the options in the message.

#### Listen

If you wish the system to read out the message, select **Listen**.

#### View

To display the message on the screen, select the respective screen button.

#### Note

Messages are only displayed on the screen when the vehicle is stopped.

#### Dismiss

To dismiss the message, select the respective screen button.

### Reply

To directly answer the message, select **Reply**. A list of predefined messages is displayed.

Select the desired message and confirm your input.

The message is sent.


#### Note

New predefined messages may be created in the settings menu.

### Call

To call the sender of the text message, select **Call**.

### Inbox

Press  and then select **Messages** to display the respective menu.

Select **Inbox** to display a list of all inbox messages.


Select the desired message. The message is displayed on the screen.

#### Note

Messages are only displayed on the screen when the vehicle is stopped.

If desired, select one of the options at the bottom of the screen (see above).

## Settings

Press  and then select **Messages** to display the respective menu.

Select **Settings** to display the respective submenu.

Adjust the settings as desired.

## Mobile phones and CB radio equipment

### Installation instructions and operating guidelines

The vehicle specific installation instructions and the operating guidelines of the mobile phone and handsfree manufacturer must be observed when installing and operating a mobile telephone.

Recommendations for fault-free operation:

- The exterior antenna needs to be professionally installed to obtain the maximum range possible.
- Maximum transmission power: 10 watts.
- The mobile phone needs to be installed in a suitable spot. Consider relevant note in the Owner's Manual, chapter **Airbag system**.

Seek advice on predetermined installation points for the external antenna or equipment holder and ways of using devices with a transmission power exceeding 10 watts.

Use of a handsfree attachment without external antenna with mobile telephone standards GSM 900/1800/1900 and UMTS is only permitted if the maximum transmission power of the mobile telephone is 2 watts for GSM 900 or 1 watt for the other types.

For reasons of safety, do not use the phone while driving. Even use of a handsfree set can be a distraction while driving.

### Warning

Operation of radio equipment and mobile telephones which fail to meet above mentioned mobile telephone standards is only permitted using an antenna located outside of the vehicle.

### Caution

Mobile telephones and radio equipment may lead to malfunctions in the vehicle electronics when operated inside the vehicle with no exterior antenna, unless the above mentioned regulations are observed.

## Frequently asked questions


### Speech recognition

❓ **The speech recognition function does not work very well. How can I improve its performance?**

- ❗ Wait for the beep and then try to speak the command naturally. Avoid long pauses, use little accentuation and speak at a moderate volume.

Detailed description ⇨ 144.

❓ **The voice prompts given out by the speech recognition system are too long. How can I interrupt them to directly speak a command?**

- ❗ To interrupt the voice prompt of the speech recognition system, press  on the steering wheel. Wait for the beep and then speak your command.

Detailed description ⇨ 144.

❓ **I cannot select a phone contact via speech recognition. What am I doing wrong?**

- ❗ The Infotainment system accesses the phone book entries as they are stored. If the sorting order is set to "last name, first name", the correct command for calling John Smith is "Smith, John".

Detailed description ⇨ 143.



❓ **I cannot enter an address located in another country via speech recognition. What am I doing wrong?**

- ❗ Via speech recognition, you can only enter addresses for destinations located in the country whose language is selected as system language, e.g. if the system is set to German, you cannot enter a destination located in France.

Detailed description ⇨ 143.

### Phone

❓ **How can I pair my phone with the Infotainment system?**

- ❗ In order to pair a phone, press  , select **Phone Settings** and then **Bluetooth**. Select **Pair device** and follow the instruction on the Infotainment system and your mobile phone. Make sure Bluetooth is enabled.

Detailed description ⇨ 152.

❓ **How can I access my phone book or recent calls list via the Infotainment system?**

- ❗ Depending on the phone, you must allow access to the respective data in the settings of your mobile phone. In general, the download of the phone book and recent calls list is not supported by all mobile phones.

Detailed description ⇨ 152.

② Although access to my phone book has been granted, not all contacts are available in the Infotainment system. Why is that?

① Depending on the phone, contacts stored on the SIM card cannot be read by the Infotainment system.  
Detailed description ⇨ 152.

## Navigation

② How can I toggle between total driving time or remaining driving time and total distance or partial distance?

① When the navigation application is active, push the multifunction knob outer ring to display the **Navigation Menu**. Select **Switch Route Time/Destination** and adjust the settings as desired.

Detailed description ⇨ 127.

② When pressing DEST/NAV, different menus are displayed sometimes. Why is that?

① If route guidance is active, the destination application is displayed for you to select a destination.

Detailed description ⇨ 131.

If route guidance is not active, the **Route Menu** is displayed.

Detailed description ⇨ 140.


## Audio

② When playing media files from a device connected via Bluetooth, the track title and artist are not displayed in the Infotainment system and the media browse function is not available. Why is that?

① When connecting a device via Bluetooth, due to the Bluetooth protocol supported only restricted functions are available.

Detailed description ⇨ 117.

② The Infotainment system does not have a tone button on the faceplate. How can I change the tone settings?

① The tone settings menu is accessible via the **Home Page**. Press  and then select **More** to display the second **Home Page**. To access the tone settings menu, select **Tone**.

Detailed description ⇨ 105.

Need further assistance?

- Go to <http://www.holden.com.au/ownership/techconnect>.
- Contact your Holden dealer.

## Climate control

Climate control systems .....	162
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## Climate control systems

### Air conditioning system



Controls for:

- temperature
- air distribution
- fan speed
- demisting and defrosting
- cooling
- air recirculation

Heated rear window  ➔ 29.

### Danger

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.


### Temperature


red = warm

blue = cold

Heating will not be fully effective until the engine has reached normal operating temperature.

### Air distribution

 = to windscreen and front door windows

 = to head area via adjustable air vents

 = to foot well

All combinations are possible.

### Fan speed

Adjust the air flow by switching the fan to the desired speed.

## Cooling ☀



Press ☀ to switch on cooling. Activation is indicated by illumination of the LED in the button. Cooling is only functional when the engine is running and climate control fan is switched on.

Press ☀ again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above the freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons. Activated cooling may inhibit Autostops.

## Air recirculation system 🚗



Press 🚗 to activate air recirculation mode. Activation is indicated by the LED in the button.

Press 🚗 again to deactivate air recirculation mode.

## ⚠ Warning

Driving in recirculation mode for a prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates and may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen may mist up from outside, when cold air is directed to it. If windscreen mists up from outside, activate windscreen wiper and deactivate 🚗.

### Maximum cooling



Briefly open the windows so that hot air can disperse quickly.

- Switch on cooling ☀.
- Air circulation system on.
- Press air distribution switch .
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.

### Demisting and defrosting the windows



- Press : fan automatically switches to higher speed, the air distribution is directed towards the windscreen.
- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

### Note

If is pressed while the engine is running, an Autostop will be inhibited until is pressed again.

If is pressed with the fan switched on and the engine running, an Autostop will be inhibited until is pressed again or until the fan is switched off.

If is pressed while the engine is in an Autostop, the engine will restart automatically.

If is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system 174.

## Electronic climate control system

The dual zone climate control allows different climatisation temperatures for driver side and front passenger side.

In Automatic mode, temperature, fan speed and air distribution are regulated automatically.



Controls for:

- temperature on driver side
- air distribution
- fan speed
- temperature on front passenger side

= cooling

**AUTO** = automatic mode

= manual air recirculation

= demisting and defrosting

Heated rear window ⇨ 29, Heated seats ⇨ 37.



Each change of settings is shown in the Info-Display for a few seconds.

The electronic climate control system is only fully operational when the engine is running.

### Danger


Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in oxygen content and/or body temperature.

## Automatic mode AUTO



Basic setting for maximum comfort:

- Press **AUTO**, the air distribution and fan speed are regulated automatically.
- Open all air vents to allow optimised air distribution in Automatic mode.

- Press  to switch on optimal cooling and demisting. Activation is indicated by illumination of the LED in the button.
- Set the preselected temperatures for driver and front passenger using the left and right rotary knob. Recommended temperature is 22 °C.


The fan speed regulation in Automatic mode can be changed in the Settings menu.

Vehicle personalisation ⇨ 82.

### Temperature preselection


Set temperatures to the desired value.



If the minimum temperature **Lo** is set, the climate control system runs at maximum cooling, if cooling  is switched on.




If the maximum temperature **Hi** is set, the climate control system runs at maximum heating.

#### Note

If  is switched on, reducing the set cabin temperature can cause the engine to restart from an Autostop or inhibit an Autostop.



### Demisting and defrosting the windows






- Press . Activation is indicated by illumination of the LED in the button.
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on heated rear window .
- To return to previous mode: press , to return to Automatic mode: press **AUTO**.


Setting of automatic rear window heating can be changed in the Settings menu in the Info-Display.  
Vehicle personalisation ➔ 82.

### Note

If  is pressed while the engine is running, an Autostop will be inhibited until  is pressed again.

If  is pressed with the fan switched on and the engine running, an Autostop will be inhibited until  is pressed again or until the fan is switched off.

If  is pressed while the engine is in an Autostop, the engine will restart automatically.

If  is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ➔ 174.

## Manual settings

Climate control system settings can be changed by activating the buttons and rotary knobs as follows.  
Changing a setting will deactivate the Automatic mode.

### Fan speed



Press lower button to decrease or upper button to increase fan speed as shown in the illustration. The fan speed is indicated by the number of segments in the display.

Pressing the lower button for longer: fan and cooling are switched off.

Pressing the upper button for longer: the fan runs at maximum speed.

To return to Automatic mode: Press **AUTO**.

### Air distribution , ,



Press appropriate button for desired adjustment. Activation is indicated by illumination of the LED in the button.

↗ = to windscreen and front door windows (air conditioning is activated in the background to help preventing windows from fogging)

↖ = to head area via adjustable air vents

↘ = to foot well

All combinations are possible.

Return to Automatic air distribution: press **AUTO**.

### Cooling ☀



Press ☀ to switch on cooling. Activation is indicated by illumination of the LED in the button. Cooling is only functional when the engine is running and climate control fan is switched on.

Press ☀ again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) when outside temperature is above a specific level. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons. When the cooling system is switched off, no engine restart will be requested by the climate control system during an Autostop. Exception: defrost system is activated and outside temperature above 0° C requests a restart.

The display will indicate **ACON** when cooling is activated or **ACOFF** when the cooling is deactivated.

Activation or deactivation of cooling operation after engine start can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

### Air recirculation mode 🚗




Press 🚗 to activate the air recirculation mode. Activation is indicated by illumination of the LED in the button.

Press 🚗 again to deactivate recirculation mode.

### **⚠ Warning**

Driving in recirculation mode for a prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling, the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates and may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen may mist up from outside, when cold air is directed towards it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

### **Basic settings**


Some settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 82.

## **Air vents**

### **Adjustable air vents**


At least one air vent must be open while the cooling is on.



To open the vent, turn the adjuster wheel towards the bigger  symbol. Adjust the air amount at the vent outlet by turning the adjuster wheel.



Direct the flow of air by tilting and swivelling the slats.

To close the vent, turn the adjuster wheel towards the smaller  symbol.

### **⚠ Warning**

Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

### **Fixed air vents**

Additional air vents are located beneath the windscreen and door windows and in the foot wells.

## Maintenance

### Air intake



The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

### Pollen filter

The pollen filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.

## 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 the outside temperature is too low.

## Service

For optimal cooling performance, it is recommended to have the climate control system checked annually by your Holden dealer:

- functionality and pressure test
- heating functionality
- leakage check
- check of drive belts
- cleaning of condenser and evaporator drainage
- performance check

## Driving and operating

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## Driving hints

### Control of the vehicle

#### Never coast with engine not running (except during Autostop)

##### Danger

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.

All systems function during an Autostop, but there will be a controlled reduction in power steering assist and vehicle speed is reduced. Stop-start system ⇨ 174.

#### Idle boost

If charging of the vehicle battery is required due to battery condition, the power output of the generator must be increased. This will be achieved by an idle boost which may be audible.

On vehicles with Uplevel-Combi-Display, a message appears in the Driver Information Centre.

### Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

### Steering

If power steering assist is lost because the engine stops or due to a system malfunction, the vehicle can be steered but may require increased effort.

Control indicator  ⇨ 71.

##### Caution

VXR models: If the steering wheel is turned until it reaches the end of its travel, and is held in that position for more than 15 seconds, damage may occur to the power steering system and there may be loss of power steering assist.

## Ground clearance

Due to the reduced ground clearance, the vehicle can be damaged depending on the vehicle loading and appearance of the ground. Take special care and drive slowly on steep driveways, entry and exit of parking garages, high kerbs and uneven surfaces. If possible, drive diagonally with one wheel after another when running over kerbs or uneven surfaces.

## Starting and operating

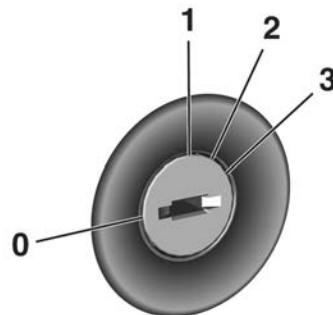
### New vehicle running-in

Use the following precautions for the first few hundred kilometres to improve the performance and economy of your vehicle and add to its long life:

- Avoid full-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 high-speed 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.

During the running-in period fuel and engine oil consumption may be higher.

### Ignition switch positions



- 0 = ignition off:** Some functions remain active until key is removed or driver's door is opened, if ignition was on previously
- 1 = accessory power mode:** Steering wheel lock released, some electrical functions are operable, ignition is off
- 2 = ignition on power mode:** Ignition is on. Control indicators light up and most electrical functions are operable
- 3 = engine start:** Release key after starting procedure begins

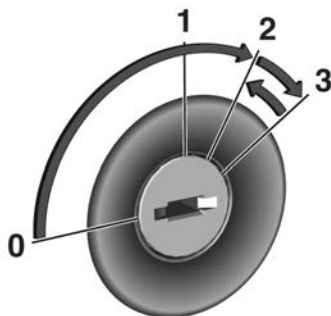
## Retained power off

The following electronic systems can work until the driver's door is opened or at the latest for 10 minutes after the ignition is switched off:

- power windows
- power outlets

Power to the Infotainment system will continue to operate for 30 minutes or until the key is removed from the ignition switch, regardless of whether any door will be opened.

## Starting the engine



Manual transmission: operate clutch.

Automatic transmission: operate brake and move the selector lever to **P** or **N**.

Do not operate the accelerator pedal.

Turn the key briefly to position **3** and release: an automatic procedure operates the starter with a short delay as long as the engine is running, see Automatic Starter Control.

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

During an Autostop, the engine can be started by depressing the clutch pedal.

## Starting the vehicle at low temperatures

The start of the engine without additional heaters is possible down to  $-30^{\circ}\text{C}$  for petrol engines. Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged battery. With temperatures below  $-30^{\circ}\text{C}$  the automatic transmission need a warming phase of approx. 5 minutes. The selector lever must be in position **P**.

## Automatic Starter Control

This function controls the engine starting procedure. The driver does not have to hold the key in position **3**. Once applied, the system will go on starting automatically until the engine is running. Because of the checking procedure, the engine starts running after a short delay.

Possible reasons for a non-starting engine:

- Clutch pedal not operated (manual transmission).
- Brake pedal not operated or selector lever not in **P** or **N** (automatic transmission).
- Timeout occurred.

### Turbo engine warm-up

Upon start-up, engine available torque may be limited for a short time, especially when the engine temperature is cold. The limitation is to allow the lubrication system to fully protect the engine.

### Overrun cut-off

The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator is released.

### Stop-start system

Stop-start system is fitted to manual transmission vehicles only

The stop-start system helps to save fuel and to reduce the exhaust emissions. When conditions allow, it switches off the engine as soon as the vehicle is at a low speed or at a standstill, e.g. at a traffic light or in a traffic jam. It starts the engine automatically as soon as the clutch is depressed. A battery sensor ensures that an Autostop is only performed if the vehicle battery is sufficiently charged for a restart.

### Activation

The stop-start system is available as soon as the engine is started, the vehicle starts-off and the conditions as stated below in this section are fulfilled.

### Deactivation



Deactivate the stop-start system manually by pressing **eco**. Deactivation is indicated when the LED in the button extinguishes.

### Autostop

If the vehicle is at a low speed or at a standstill, activate an Autostop as follows:

- Depress the clutch pedal.
- Set the lever in neutral.
- Release the clutch pedal.

The engine will be switched off while the ignition stays on.



An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

During an Autostop, the heating and brake performance will be maintained.

### Caution

The steering assist can be reduced during an Autostop.

### Conditions for an Autostop

The stop-start system checks if each of the following conditions is fulfilled:

- The stop-start system is not manually deactivated.
- The bonnet is fully closed.
- The driver's door is closed or the driver's seat belt is fastened.
- The vehicle battery is sufficiently charged and in good condition.
- The engine is warmed up.
- The engine coolant temperature is not too high.
- The engine exhaust temperature is not too high, e.g. after driving with high engine load.
- The ambient temperature is above  $-5^{\circ}\text{C}$ .
- The climate control system allows an Autostop.
- The brake vacuum is sufficient.
- The vehicle was driven at least at walking speed since the last Autostop.

Otherwise an Autostop will be inhibited.

Certain settings of the climate control system may inhibit an Autostop. See Climate control chapter for more details ⇨ 164.

Immediately after motorway driving an Autostop may be inhibited.

New vehicle running-in ⇨ 172.

### Vehicle battery discharge protection

To ensure reliable engine restarts, several battery discharge protection features are implemented as part of the stop-start system.


### Power saving measures

During an Autostop, several electric features, e.g. auxiliary electric heater or rear window heating are disabled or switched into a power saving mode. The fan speed of the climate control system is reduced to save power.

### Restart of the engine by the driver

Depress the clutch pedal to restart the engine.

The engine start is indicated by the needle at the idle speed position in the tachometer.

If the selector lever is shifted out of neutral before depressing the clutch first, control indicator  illuminates or is shown as a symbol in the Driver Information Centre.

Control indicator  ⇨ 70.

### Restart of the engine by the stop-start system

The selector lever has to be in neutral to enable an automatic restart.

If one of the following conditions occurs during an Autostop, the engine will be restarted automatically by the stop-start system:

- The stop-start system is manually deactivated.
- The bonnet is opened.
- The driver's seat belt is unfastened and the driver's door is opened.
- The engine temperature is too low.
- The charging level of the vehicle battery is below a defined level.

- The brake vacuum is not sufficient.
- The vehicle is driven at least at walking speed.
- The climate control system requests an engine start.
- The air conditioning is manually switched on.

If the bonnet is not fully closed, a warning message is displayed in the Driver Information Centre.


If an electric accessory, e.g. a portable CD player, is connected to the power outlet, a brief power drop during restart might be noticeable.


### Parking

#### Warning

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the

release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress foot brake at the same time to reduce operating force ⇨ 183.

For vehicles with electric parking brake, pull switch  for approx. one second ⇨ 183.

The electric parking brake is applied when control indicator  illuminates ⇨ 70.

- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position **P** before removing the ignition key. On an uphill slope, turn the front wheels away from the kerb.

If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position **P** before removing the ignition key. Turn the front wheels towards the kerb.

- Close the windows.
- Remove the ignition key. Turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.

Lock the vehicle.

### Note

In the event of an accident with airbag deployment, the engine is turned off automatically if the vehicle comes to a standstill within a certain time.

## 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 vehicle, open the windows. Have the cause of the fault rectified by a Holden dealer.

Avoid driving with the tailgate open, as exhaust gases could enter the vehicle.

## Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

### Caution

Fuel grades other than those listed on pages ⇨ 195, ⇨ 256 could damage the catalytic converter or electronic components.

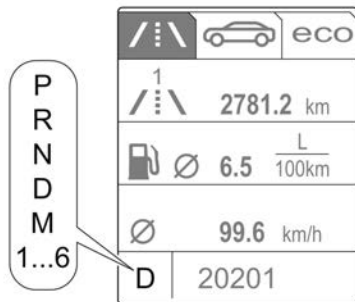
Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

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 Holden dealer as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

## Automatic transmission

The automatic transmission permits automatic gearshifting (automatic mode) or manual gearshifting (manual mode).

## Transmission display



The mode or selected gear is shown in the transmission display.

In automatic mode, the driving programme is indicated by **D** in the Driver Information Centre (DIC).

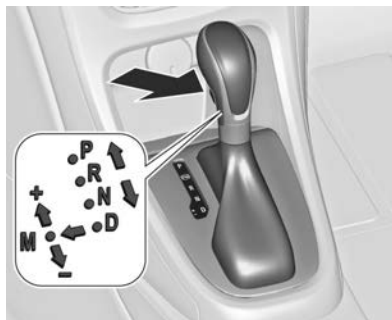
In manual mode, **M** and the number of the selected gear is indicated.

**R** indicates reverse gear.

**N** indicates neutral position.

**P** indicates park position.

## Selector lever



**P** = park position, press release button, wheels are locked, engage only when the vehicle is stationary and parking brake is applied

**R** = reverse gear, press release button, engage only when vehicle is stationary

**N** = neutral

**D** = automatic mode

**M** = manual mode: move selector lever from **D** to the left.


**+** = manual mode upshifting: move selector lever in position **M** and tap upwards

**-** = manual mode downshifting: move selector lever in position **M** and tap rearwards

The selector lever is locked in **P** and can only be moved when the ignition is on and the brake pedal is applied.



Without brake pedal applied, the control indicator (ⓘ) illuminates.

If the selector lever is not in **P** when the ignition is switched off, the control indicators  and **P** flash.

To engage **P** or **R**, press the release button.

The engine can only be started with the lever in position **P** or **N**. When position **N** is selected, press the brake pedal or apply the parking brake before starting.

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.

### Engine braking

To utilise the engine braking effect, select a lower gear in good time when driving downhill, see manual mode.

### 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

Apply the parking brake and engage **P**.

The ignition key can only be removed when the selector lever is in position **P**.

### Manual mode



Move selector lever out of position **D** towards the left and then forwards or backwards.

**+** = shift to a higher gear

**-** = shift to a lower gear

If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed. This can cause a message in the Driver-Info-Display.

In manual mode no automatic shifting to a higher gear takes place at high engine revolutions.

### Electronic driving programmes


- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.

- The automatic neutral shift function automatically shifts to idling when the vehicle is stopped with a forward gear engaged and the brake pedal is pressed.
- When SPORT mode is engaged, the vehicle shifts at higher engine speeds (unless cruise control is on). SPORT mode ⇨ 187.
- Special programmes automatically adapt the shifting points when driving up inclines or down hills.
- When starting off in snowy or icy conditions or on other slippery surfaces, the electronic transmission control selects a higher gear automatically.

### Kickdown

If the accelerator pedal is pressed down completely in automatic mode, the transmission shifts to a lower gear depending on engine speed.

### Fault

In the event of a fault,  illuminates. Additionally a code number or a vehicle message is displayed in the Driver Information Centre. Vehicle messages ⇨ 80.

The transmission no longer shifts automatically. Continued travel is possible with manual shifting.

Only the highest gear is available. Depending on the fault, 2nd gear may also be available in manual mode. Shift only when vehicle is at a standstill.

Have the cause of the fault remedied by a Holden dealer.

### Interruption of power supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be removed from the ignition switch.

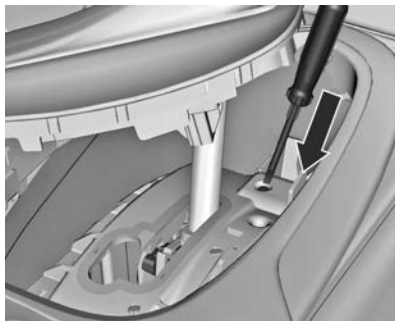
If the vehicle battery is discharged, start the vehicle using jump leads ⇨ 243.

If the vehicle battery is not the cause of the fault, release the selector lever.

1. Apply the parking brake.



2. Release the selector lever trim from the centre console at the front, fold it upwards and rotate it to the left.



3. Insert a screwdriver into the opening as far as it will go and move the selector lever out of **P** or **N**. If **P** or **N** is engaged again, the selector lever will be locked in position again. Have the cause of the power supply interruption remedied by a Holden dealer.
4. Mount the selector lever trim onto the centre console and refit.

## Manual transmission



To engage reverse, with the vehicle stationary wait 3 seconds after depressing the clutch pedal and then press the release button on the selector lever and engage the gear.

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

Do not slip the clutch unnecessarily.

When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

### Caution

It is not advisable to drive with the hand resting on the selector lever.

## 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 Holden dealer before continuing your journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator (C) ⇨ 70.

## Antilock brake system

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.

After starting off the system performs a self-test which may be audible.

Control indicator (ABS) ⇨ 71.

## Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

## Fault

### Warning

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Have the cause of the fault remedied by a Holden dealer.

## Parking brake

### Manual parking brake



#### Warning

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.


Control indicator  70.


### Electric parking brake




#### Applying when vehicle is stationary

#### Warning


Pull switch  for approx. one second, the electric parking brake operates automatically with

adequate force. For maximum force, e.g. parking with trailer or on inclines, pull switch  twice.


The electric parking brake is applied when control indicator  illuminates 71.

The electric parking brake can always be activated, even if the ignition is off.

Do not operate electric parking brake system too often without engine running, as this will discharge the vehicle battery.

Before leaving the vehicle, check the electric parking brake status. Control indicator  71.

### Releasing

Switch on ignition. Keep brake pedal depressed and then push switch .

### Drive away function

Depressing clutch pedal (manual transmission) or engaging drive gear (automatic transmission) and then depressing the accelerator pedal releases the electric parking brake

automatically. This is not possible when the switch is pulled at the same time.

This function also helps driving away on inclines.

Aggressive drive away may reduce life time of wear parts.

### Dynamic braking when vehicle is moving

When the vehicle is moving and the switch (P) is kept pulled, the electric parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch (P) is released, dynamic braking will be stopped.

### Fault

Failure mode of electric parking brake is indicated by control indicator (P) and by a code number or a vehicle message which is displayed in the Driver Information Centre. Vehicle messages → 80.

Apply electric parking brake: pull and hold the switch (P) for more than 5 seconds. If control indicator (P) illuminates, electric parking brake is applied.

Release electric parking brake: push and hold the switch (P) for more than 2 seconds. If control indicator (P) extinguishes, electric parking brake is released.

Control indicator (P) flashes: electric parking brake is not fully applied or released. When continuously flashing, release electric parking brake and retry applying.

### 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

The system helps prevent unintended movement when driving away on inclines.

When releasing the foot brake after stopping on an incline, the brakes remain on for a further two seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

The hill start assist is not active during an Autostop.


## Ride control systems

### Traction Control system

The Traction Control system (TC) is a component of the Electronic Stability Control (ESC) ⇨ 185.

TC improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive wheels starts to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TC is operational after each engine start as soon as the control indicator  extinguishes.

When TC operates  flashes.

#### Warning

Do not let this special safety feature tempt you into taking risks when driving.



Adapt speed to the road conditions.


Control indicator  ⇨ 72.

### Deactivation



TC can be switched off when spinning of drive wheels is required:

press  briefly to deactivate TC,  illuminates. Deactivation is displayed as status message in the Driver Information Centre.

TC is reactivated by pressing  again.

TC is also reactivated the next time the ignition is switched on.

## Electronic Stability Control


### Note

ESC may be displayed in the vehicle as ESP.

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the drive wheels from spinning. ESC operates in combination with the Traction Control system (TC) ⇨ 185.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually. This

considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC is operational after each engine start as soon as the control indicator  extinguishes.

When ESC operates  flashes.

### Warning

Do not let this special safety feature tempt you into taking risks when driving.






Adapt speed to the road conditions.

Control indicator   72.

## Deactivation




For a more sporty behaviour ESC and TC can be deactivated separately:

- Press  briefly: only Traction control system is inactive, ESC remains active,  illuminates.
- Hold  pressed for min. 5 seconds: TC and ESC are deactivated,  and  illuminate.

Additionally the selected mode is displayed as a status message in the Driver Information Centre.

If the vehicle comes into threshold with deactivated ESC, the system will reactivate ESC for the time duration of the threshold, when the brake pedal is depressed once.

ESC is reactivated by pressing  again. If the TC system was previously disabled, both TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

## Deactivation, VXR version



For very high-performance driving ESC and TC can be deactivated separately. The following modes are selectable:

- Press **TRC** briefly: only Traction control system is inactive, ESC remains active, **TRC** illuminates.
- Press **TRC** twice briefly within 2 seconds: TC is inactive, ESC is operable without engine power reduction, **TRC** and **ESC** illuminate.
- Hold **TRC** pressed for min. 5 seconds: TC and ESC are completely inactive, **TRC** and **ESC** illuminate.

Additionally the selected mode is displayed as a status message in the Driver Information Centre.

On VXR version TC and ESC remain deactivated even if the vehicle comes into threshold with unstable driveability.

ESC is reactivated by pressing **TRC** again. If the TC system was previously disabled, both TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

## Interactive driving system

### Flex Ride - VXR Version

The VXR Version of Flex Ride system works in the same way as the standard Flex Ride system with the difference that the modes have a more sporty characteristic.



VXR Flex Ride driving system allows the driver to select between three driving modes:

- VXR mode: press **VXR**, LED illuminates.
- SPORT mode: press **SPORT**, LED illuminates.
- NORMAL mode: neither **SPORT** nor **VXR** is pressed, no LED illuminates.

Deactivate SPORT mode and VXR mode by pressing corresponding button once more.

In each driving mode VXR Flex Ride networks the following electronic systems:

- Continuous Damping Control
- Accelerator Pedal Control
- Steering Control
- Electronic Stability Control (ESC)
- Antilock brake system (ABS) with cornering brake control (CBC)

**NORMAL mode**

In NORMAL mode, when neither SPORT nor VXR is pressed, all settings of the systems are adapted to standard values.

**SPORT mode**

The settings of the systems are adapted to a sportier driving style.

**VXR mode**

The drive dynamic characteristics are adapted to high performance settings.

In this mode, the illumination of main instruments is switched to red.

**Personalised settings in the VXR mode**

The driver can select the functions of the VXR mode when **VXR** is pressed. These settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ↗ 82.

## Driver assistance systems

### ⚠ Warning

Driver assistance systems are developed to support the driver and not to replace the driver's attention.

The driver accepts full responsibility when driving the vehicle.



When using driver assistance systems, always take care regarding the current traffic situation.

## Cruise control

The cruise control can store and maintain speeds.

### ⚠ Warning

Do not use the cruise control when road or driving conditions require varying speeds.

Remember that when  illuminates green, the cruise control is maintaining the vehicle's speed. Taking your foot off the accelerator pedal does not reduce the speed. To deactivate the cruise control, press the brake pedal, press the clutch pedal (manual transmission) or push .

The cruise control does not apply the vehicle's brakes. The vehicle may gain speed when going down steep hills. When climbing steep hills (particularly when towing) the vehicle may lose speed. In this case, use the accelerator pedal. Release the accelerator pedal when the speed returns to the set speed.

It is the responsibility of the driver to comply with local posted speed limits.



For safety reasons the cruise control cannot be activated until the foot brake has been operated once. Activating in first gear is not possible.




With automatic transmission, only activate cruise control in automatic mode.

Control indicator   74.

### Switching on

Press , control indicator  in instrument cluster illuminates white.

### Activation

Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and maintained. Control indicator  in instrument cluster illuminates green. Accelerator pedal can be released.

Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

### Increase speed

With cruise control active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly: speed increases continuously or in small increments.



Alternatively accelerate to the desired speed and store by turning to **SET/-**.



### Reduce speed

With cruise control active, hold thumb wheel turned to **SET/-** or briefly turn to **SET/-** repeatedly: speed decreases continuously or in small increments.

### Deactivation

Press , control indicator  in instrument cluster illuminates white. Cruise control is deactivated. Last used set speed is stored in memory for later speed resume.



Automatic deactivation:


- Vehicle speed is below approx. 30 km/h.
- The brake pedal is depressed.
- The clutch pedal is depressed for a few seconds.
- Selector lever is in **N**.
- Engine speed is in a very low range.
- The Traction Control system or Electronic Stability Control is operating.

### Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 30 km/h. The stored speed will be obtained.

### Switching off

Press , control indicator  in instrument cluster extinguishes. The stored speed is deleted.

Pressing  for activating speed limiter or switching off the ignition also switches off cruise control and deletes the stored speed.

## Speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed.



The maximum speed can be set at a speed above 25 km/h.

The driver can only accelerate up to the preset speed. Deviations from the limited speed may occur when driving downhill.

The preset speed limit is displayed in the top line of the Driver Information Centre when the system is active.

### Activation



Press . If cruise control has been activated before, it is switched off when speed limiter is activated and the control indicator  extinguishes.

### Set speed limit



With speed limiter active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly until the desired maximum speed is displayed in the Driver Information Centre.

Alternatively accelerate to the desired speed and briefly turn thumb wheel to **SET/-**: the current speed is stored as

maximum speed. Speed limit is displayed in the Driver Information Centre.



### Change speed limit

With speed limiter active, turn thumb wheel to **RES/+** to increase or **SET/-** to decrease the desired maximum speed.


### Exceeding the speed limit

In the event of an emergency it is possible to exceed the speed limit by depressing the accelerator pedal firmly beyond the point of resistance.

The limited speed will flash in the Driver Information Centre and, depending on the vehicle, additionally a chime sounds during this period.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.

### Deactivation


Press : speed limiter is deactivated and the vehicle can be driven without speed limit.


The limited speed is stored and a corresponding message appears in the Driver Information Centre.

### Resume limit speed

Turn thumb wheel to **RES/+**. The stored speed limit will be obtained.

### Switching off

Press , the speed limit indication in the Driver Information Centre extinguishes. The stored speed is deleted.

By pressing  to activate cruise control or by switching off the ignition, speed limiter is also deactivated and the stored speed is deleted.

## Parking assist

### Rear parking assist

#### Warning

The driver bears full responsibility for the parking manoeuvre.

Always check the surrounding area while reversing and using the rear parking assist system.

The rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver by giving acoustic signals.



The system has four ultrasonic parking sensors in the rear bumper.

### Activation

When reverse gear is engaged, the system is ready to operate automatically.

An illuminated LED in the parking assist button **P** with a triangle icon indicates that the system is ready to operate.

### Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle. The interval between the

sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.

### Deactivation



The system automatically switches off when reverse gear is disengaged.

To switch on the system again, engage reverse gear.

Manual deactivation is possible in two ways:

1. By pressing **P** with a triangle icon when reverse gear is engaged. The system will automatically reactivate the next time reverse gear is engaged or the next time the vehicle is started.
2. By changing the setting in the infotainment system: **Vehicle settings / Collision Detection Systems / Park Assist**.

The system remains deactivated for the current ignition cycle and will automatically reactivate next time the vehicle is started.

When the system is deactivated, the LED in the button extinguishes.

Additionally, **Park Assist Off** pops-up in the Driver Information Centre when the system is deactivated manually.

### Fault

In the event of a fault in the system or if the system does not work due to temporary conditions like ice covered

sensors, control indicator **P**▲ illuminates or a message is displayed in the Driver Information Centre.

Vehicle messages ⇨ 80.

Control indicator **P**▲ ⇨ 72.

## Front-rear parking assist

### ⚠ Warning

The driver bears full responsibility for the parking manoeuvre.

Always check the surrounding area when driving backwards or forwards while using parking assist system.

The front-rear parking assist measures the distance between the vehicle and obstacles in front and behind the vehicle. The system gives acoustic signals and display messages.

The system has four ultrasonic parking sensors each in the rear and front bumper.

It uses two different acoustic warning signals for the front and rear monitoring areas, each with a different tone frequency. The signal for front obstacles sounds via the front speakers, for rear obstacles it sounds from the rear of the vehicle.

### Activation

When reverse gear is engaged, the front and rear parking assist is ready to operate.

The front parking assist is also activated automatically at a speed up to 11 km/h.



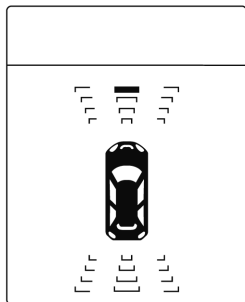
An illuminated LED in the parking assist button **P**▲ indicates that the system is ready to operate.

If the vehicle exceeds a speed of 11 km/h, the front parking assist is deactivated. The front parking assist is always reactivated when vehicle speed drops below 11 km/h.

### Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind and in front of the vehicle. Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals on the respective side of the vehicle. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.

Additionally, the distance to obstacles may be shown in the Driver Information Centre ⇨ 74.



The distance to a front and rear obstacle is indicated by changing distance lines around the vehicle.

Rear obstacles are indicated acoustically and visually at the same time.

Front obstacles are indicated visually first. At distances less than 80 cm an acoustic signal also sounds.

The distance indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing the **SET/CLR** button on the turn signal lever, distance indication appears again.

### Deactivation

The rear parking assist automatically switches off when reverse gear is disengaged.

The front parking assist is deactivated automatically at a speed above 11 km/h.



Manual deactivation is possible in two ways:

1. By pressing **P** with a small triangle when reverse gear is engaged. The system will automatically reactivate next time reverse gear is engaged.
2. By changing the setting in the infotainment system: **Vehicle**

### settings / Collision Detection Systems / Park Assist.

The system remains deactivated for the current ignition cycle and will automatically reactivate next time the vehicle is started.

When the system is deactivated, the LED in the button extinguishes.

Additionally **Park Assist Off** pops-up in the Driver Information Centre when the system is deactivated manually.

### Fault

In the event of a fault in the system or if the system does not work due to temporary conditions like ice covered sensors, control indicator **P** with a small triangle illuminates or a message is displayed in the Driver Information Centre.

Vehicle messages ⇨ 80.

Control indicator **P** with a small triangle ⇨ 72.

## Basic notes on parking assist systems

### 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.

Special attention must be paid to low obstacles which can damage the lower part of the bumper.

### Caution

Performance of the system can be reduced when sensors are covered, e.g. by ice or snow.

Performance of the parking assist system can be reduced due to heavy loading.

Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and

correct distance indication in the upper part of these vehicles cannot be guaranteed.

Objects with a very small reflection cross-section, e.g. objects of narrow size or soft materials, may not be detected by the system.

Parking assist systems do not detect objects outside the detection range.

### Note

The parking assist system automatically detects factory-fitted towing equipment. It is deactivated when the connector is plugged in.

The sensor may detect a non-existing object (echo disturbance) caused by external acoustical or mechanic disturbances.

## Fuel

### Fuel for petrol engines

Use clean, unleaded petrol of 95 Research Octane Number (RON) or higher.

Use of Premium unleaded petrol (98 RON) is recommended. The use of higher octane fuel may result in improved performance. The use of unleaded 91 RON petrol is possible only for short periods ⇨ 256.

Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel which contains abnormal fuel properties.

### Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

**⚠ Warning**

Under no circumstances should you use fuel containing more than 10% ethanol. Use of such fuels may result in engine malfunction, starting and operating difficulties, and materials degradation. These adverse effects could result in permanent damage to your vehicle and the risk of personal injury. Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel with more than 10% ethanol or fuel which contains abnormal fuel properties.

**Refuelling****⚠ Danger**

Before refuelling, switch off engine and mobile phones.  
Follow the operating and safety instructions of the filling station when refuelling.

**⚠ Danger**

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by your Holden Dealer.

Fuel filler flap is located at right rear side of the vehicle.



The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap.

To open, turn the cap slowly to the left.



The fuel filler cap can be retained in the bracket on the fuel filler flap.

For refuelling, fully insert the pump nozzle and switch it on.

After automatic cut-off, it can be topped up with max. two doses of fuel.

### Caution

Wipe off any overflowing fuel immediately.

To close, turn the fuel filler cap to the right until it clicks.

Close the flap and latch.

### Fuel filler cap

Only use genuine fuel filler caps.

## Trailer hitch

### General information

The word 'Trailer' is used throughout this section and is intended to include all types of towed vehicles, such as a caravan, boat trailer or any other special purpose trailer.

The vehicle is designed primarily as a passenger vehicle, so handling, durability and economy may be affected by towing a trailer. Your Holden Dealer will help supply and install towing equipment to suit your requirements.

Trailer towing ⇨ 198.

## Trailer towing

### Overloading

Never exceed the loads given for the towing equipment fitted to the vehicle. For your safety and the vehicle's durability, all mandatory equipment must be fitted. Otherwise you may void the New Vehicle Warranty, to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of the vehicle.

### Maximum towing capacities (kg)

Engine	Transmission	Type	Caravan/Trailer
<b>3 Door Hatch</b>			
Petrol (1.6L)	Manual transmission	With brake	1200
		Without brake	750
	Automatic transmission	With brake	1200
		Without brake	750

Note: Petrol (2.0L) is not approved for trailer towing.

Mandatory equipment: Holden 1200 kg rated towbar and Holden trailer wiring harness.

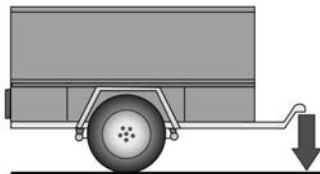
**⚠ Warning**

Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment to be used. Holden will not accept liability for defects occurring in inappropriate towing equipment or for defects in the vehicle arising from the use of such equipment or for loss or injury caused by use of such equipment.

The use of inappropriate equipment may void your New Vehicle Warranty to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of your vehicle.

**Towing with Electronic Stability Control (ESC)**

You may hear noise from the ESC modulator when it is working. The ESC is reacting to the vehicle movement caused by the trailer, which mainly occurs during cornering. This is considered normal when towing heavier trailers.

**Recommended procedure for attaching a trailer**

When a trailer is hitched to the vehicle, it places a weight on the tow bar. This weight is called the 'tow ball load'.

If the tow ball load is too light or too heavy, the steering and handling of the vehicle may be affected.

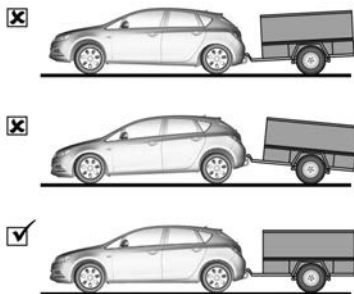
As a general guideline, for single axle trailers, the ball load should be approximately 10% of the loaded trailer mass. For heavy trailers with more than one axle, the ball load should be in the range of 5% - 10% of the loaded trailer mass.

**Note**

The tow ball load should not exceed 75 kg.

The tow ball load can be adjusted by correctly packing the contents of the trailer. For example, by moving items forwards or backwards within the trailer so as to change the balance of the trailer.

Check the tow ball load before coupling the trailer to the towing vehicle.



If the attitude of the vehicle is compromised, adjust the vehicle and trailer load within the specifications to improve the attitude. If the vehicle attitude cannot be corrected, use a load distribution hitch.

**Note**

At no time may the maximum towing capacity exceed the maximum specified. Refer to Maximum towing capacity previously in this chapter.

At no time may the total rear axle load exceed the maximums specified. Refer to Loading the vehicle previously in this chapter.

**Towing precautions**

- When heavily loading your vehicle or when towing, your tyres should be inflated to the maximum recommended pressure. Refer to tyre pressure placard and information about tyre pressures ⇨ 260.
- Tighten the tow ball retaining nut to 140 Nm (Newton Meters) and check the torque frequently.
- Vehicles handle differently when towing. It is a good idea to make a couple of short distance trips with the trailer before setting off on a longer journey.
- Have your vehicle correctly maintained and serviced.
- Have the trailer maintained and serviced, with particular attention to the condition of the brakes, tyres, suspension, wheel bearings, lighting and the tow coupling.
- Use extended-arm rear view mirrors on both sides of the vehicle if necessary.
- Headlamps may need realignment after the loaded trailer has been hitched.
- Use a lower gear and the brakes, when descending steep hills.
- Do not use axle-mounted hitches as this will damage the vehicle.
- Ensure that no part of the tow bar (including the tongue or tow ball) obscures the vehicle's licence plate. If necessary, remove the tow bar tongue when it is not in use.
- If a tow bar is removed: Ensure to have any mounting holes in the underbody properly sealed to prevent the possible entry to exhaust fumes, dust and water.

### **Trailer brakes**

- Trailer brakes are mandatory on trailers weighing 750 kg and over when loaded. The brakes on the trailer must be designed to cope with the braking requirements of the trailer under all towing conditions, without adversely affecting the brakes on the vehicle.
- Contact the appropriate regulatory body in your State or Territory for the legal requirements of trailer brakes.

### **Fitting accessories (bull bar, driving lamps, insect screens etc.)**

When fitting accessories, take care not to restrict airflow through the air conditioner condenser and the radiator, otherwise engine overheating and/or poor air conditioning performance may result.

The mass of all accessories must be considered when evaluating the vehicle's overall loaded condition.

Remember that bull bars may affect airbag operation.

### **Running in before towing**

Holden recommends that you drive your new vehicle for at least 1,500 km before towing. If you must tow in the first 1,500 km of the vehicle's life, do not exceed 80 km/h.

The same applies if the vehicle is equipped with a new or reconditioned engine, transmission or axle.

### **Vehicle maintenance**

More frequent vehicle maintenance is required when using the vehicle for towing. Refer to the Service/warranty booklet in the vehicle's glovebox.

---

## Trailer stability assist

If the system detects snaking movements, engine power is reduced and the vehicle/trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible.

Trailer stability assist (TSA) is a function of the Electronic Stability Control ⇨ 185.

## Vehicle care

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Wheels and tyres .....	229
Jump starting .....	243
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## General Information

### Accessories and vehicle modifications

We recommend the use of 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

When transporting the vehicle, e.g. on a recovery vehicle, take care to ensure any fitted accessories are not damaged.

## 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 the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the parking brake.

- Open the bonnet, 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.

### 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.

## Vehicle checks

### Performing work



#### Warning

Only perform engine compartment checks when the ignition is off.

The cooling fan may start operating even if the ignition is off.

#### Danger

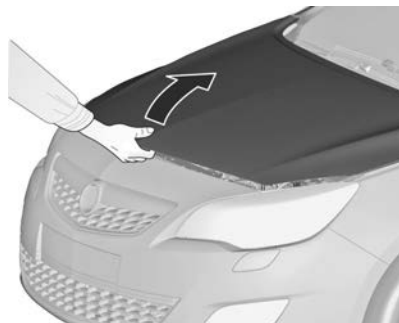
The ignition system and Xenon headlights use extremely high voltage. Do not touch.

## Bonnet

### Opening



Pull the release lever and return it to its original position.



Move the safety catch sideways to the left vehicle side and open the bonnet.



Secure the bonnet support.

If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

### Closing

Before closing the bonnet, press the support into the holder.

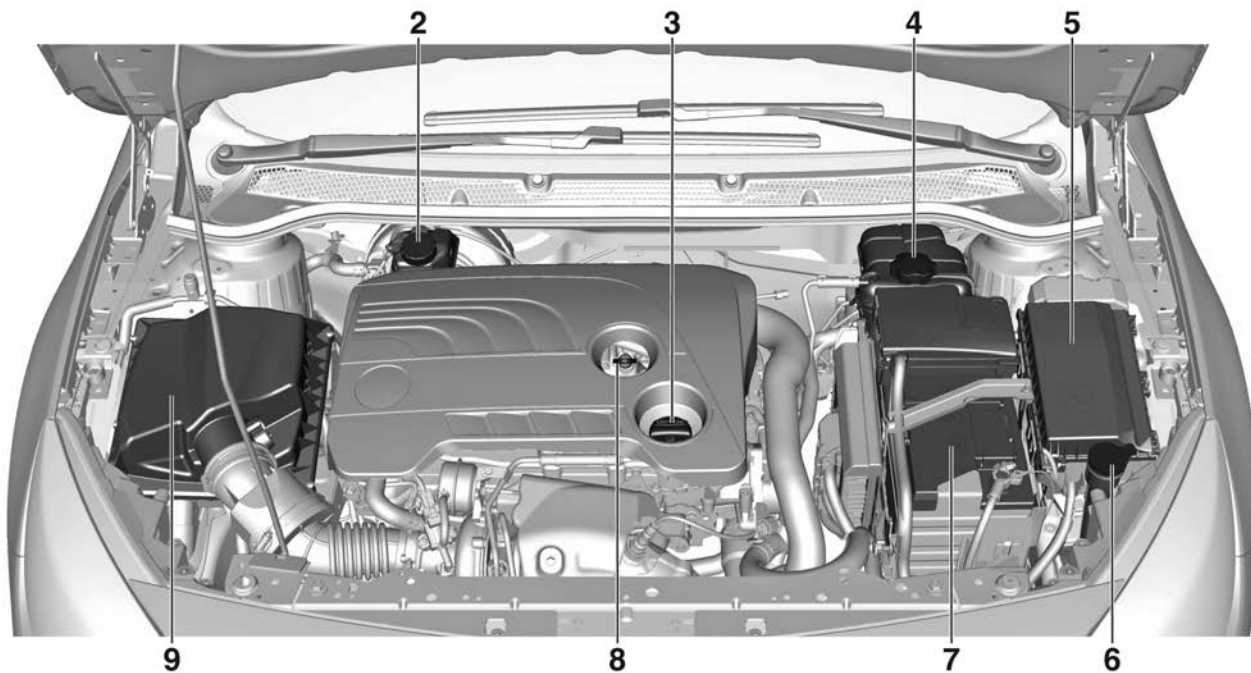
Lower the bonnet and let it fall into the latch from a low height (20-25 cm). Check that the bonnet is engaged.

### Caution

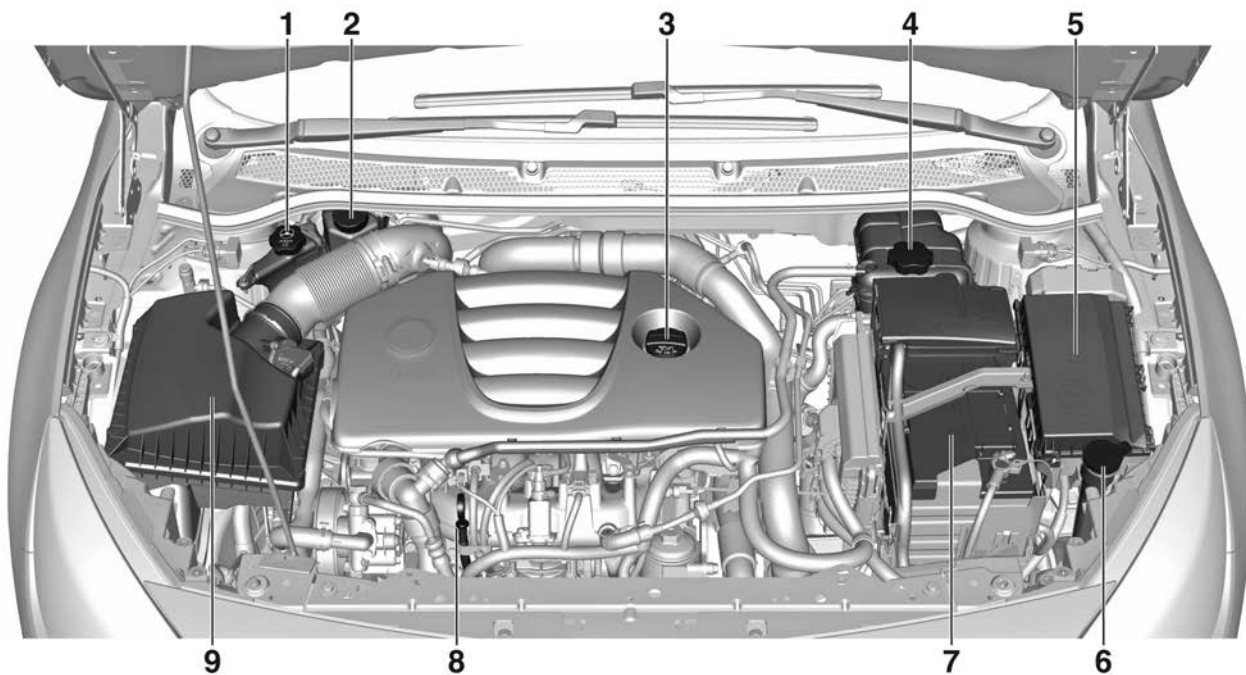
Do not press the bonnet into the latch to avoid dents.

## Engine compartment overview

### 1.6L Petrol engine



## 2.0L Petrol engine



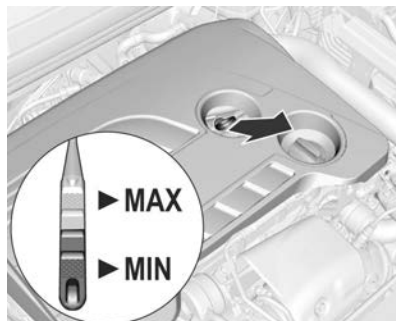
1. Power steering fluid container  
⇨ 211
2. Brake and clutch fluid container  
⇨ 211
3. Engine oil cap ⇨ 209
4. Engine coolant container ⇨ 210
5. Fuse box ⇨ 224
6. Washer fluid container ⇨ 211
7. Vehicle battery ⇨ 212
8. Dipstick for engine oil level  
⇨ 209
9. Engine air filter ⇨ 210

## Engine oil

Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used. Recommended fluids and lubricants ⇨ 250.

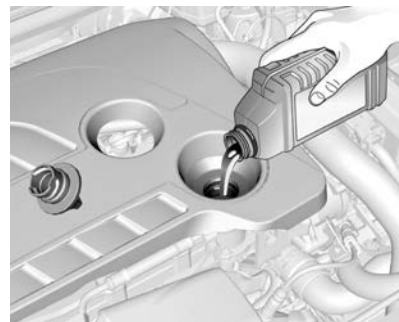
Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

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.



Different dipsticks are used depending on engine variant.

When the engine oil level has dropped to the **MIN** mark, top up engine oil.



We recommend the use of the same grade of engine oil that was used at last change.

The engine oil level must not exceed the **MAX** mark on the dipstick.

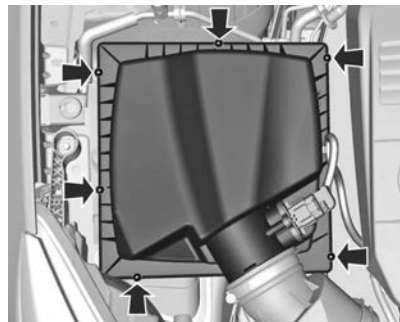
### Caution

Overfilled engine oil must be drained or suctioned out.

Capacities ⇨ 259.

Fit the cap on straight and tighten it.

## Engine air filter



To replace engine air filter unscrew 6 screws and remove air filter housing.

## Engine coolant

The coolant provides freeze protection down to approx. -28 °C.

### Caution

Only use approved antifreeze.

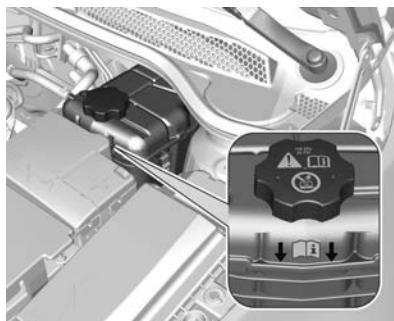
### ⚠ Warning

Do not spill coolant on the vehicle's exterior surfaces. It can damage the paintwork. If you do, wash it off immediately.

### Coolant level

#### Caution

Too low a coolant level can cause engine damage.



If the cooling system is cold, the coolant level should be above the filling line mark. Top up if the level is low.

### ⚠ Warning

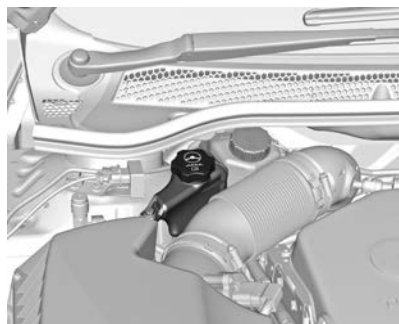
Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Top up with the recommended coolant ↻ 250. If no coolant is available, temporarily use clean tap water or distilled water. Install the cap tightly. Have the antifreeze concentration checked and have the cause of the coolant loss remedied by a Holden dealer.

## Power steering fluid

### Caution

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly. Do not allow contaminants to contact the fluid side of the reservoir cap/dipstick or from entering the reservoir.



Power steering fluid level normally does not have to be checked. If an unusual noise sounds during steering

or the power steering reacts unusually, seek the assistance of a Holden dealer.

## Washer fluid



Fill with clean water mixed with a suitable quantity of windscreen washer solution.

## Brakes

In the event of minimum thickness of the brake lining, a squealing noise sounds during braking.

Continued driving is possible but have the brake lining replaced as soon as possible.

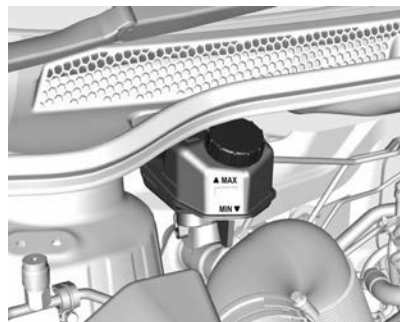
Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

## Brake fluid

The brake fluid container is also used for the clutch system.

### ⚠ Warning

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



The brake fluid level must be between the **MIN** and **MAX** marks.

If fluid level is below **MIN** seek the assistance of a Holden dealer.

Brake and clutch fluid ⇨ 250.

## Vehicle battery

Vehicles without stop-start system will be equipped with a lead acid battery. Vehicles with stop-start system will be equipped with an AGM battery which is not a lead acid battery.

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.



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.

Vehicle battery discharge protection ⇨ 95.

## Replacing the vehicle battery

### Note

Any deviation from the instructions given in this section may lead to temporary deactivation of the stop-start system.

When the vehicle battery is being replaced, please ensure that there are no open ventilation holes in the vicinity of the positive terminal. If a ventilation hole is open in this area, it must be closed off with a dummy cap, and the ventilation in the vicinity of the negative terminal must be opened.

Only use vehicle batteries that allow the fuse box to be mounted above the vehicle battery.

In vehicles with stop-start system, be sure to have the AGM (Absorptive Glass Mat) battery replaced with another AGM battery.



An AGM battery can be identified by the label on the battery. We recommend the use of an original Holden vehicle battery.

#### Note

Using an AGM vehicle battery different from the original vehicle battery may result in a lower performance of the stop-start system.

We recommend that you have the vehicle battery replaced by a Holden dealer.

Stop-start system ⇨ 174.

## Charging the vehicle 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 vehicle battery might be damaged.

Jump starting ⇨ 243.

### Warning label



Meaning of symbols:

- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the vehicle battery out of reach of children.
- The vehicle battery contains sulphuric acid which could cause blindness or serious burn injuries.
- See the Owner's Manual for further information.
- Explosive gas may be present in the vicinity of the vehicle battery.

## Wiper blade replacement

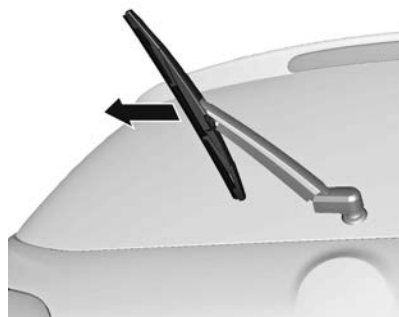


Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

## Wiper blade on the rear window



Lift wiper arm. Disengage wiper blade as shown in illustration and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

## 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.

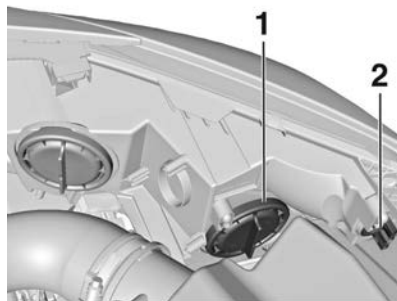
Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

## Bulb check

After a bulb replacement switch on the ignition, operate and check the lights.

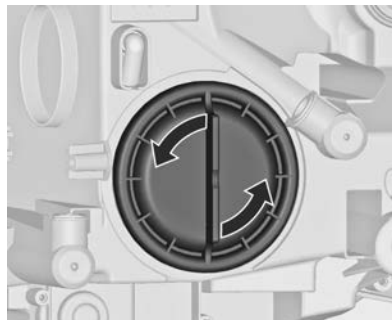
## Halogen headlights



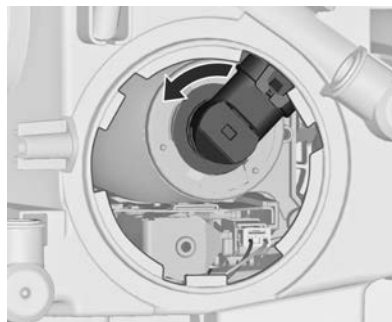
**Bi-Halogen Headlight (1)** with one bulb for low and high beam.

**Sidelight/Daytime running light (2).**

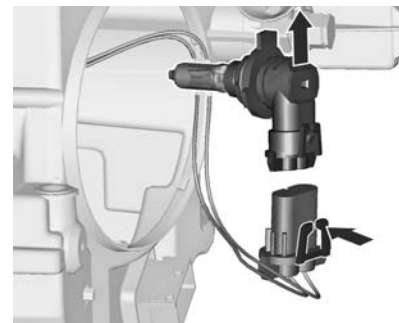
### Low/High beam (1)



1. Rotate the cap (1) anticlockwise and remove it.



2. Rotate the bulb holder anticlockwise to disengage. Withdraw the bulb holder from the reflector.



3. Disengage the bulb holder from the plug connector by pressing the retaining lug.
4. Replace the bulb and connect bulb holder with the plug connector.
5. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
6. Fit the cap and rotate clockwise.

### Sidelight/Daytime running light (2)



1. Rotate bulb socket (2) anticlockwise to disengage. Withdraw the bulb socket from the reflector.



2. Remove the bulb from the socket by pulling.
3. Replace and insert new bulb into socket.
4. Insert the bulb socket into the reflector and turn clockwise.

### Adaptive forward lighting

#### Danger

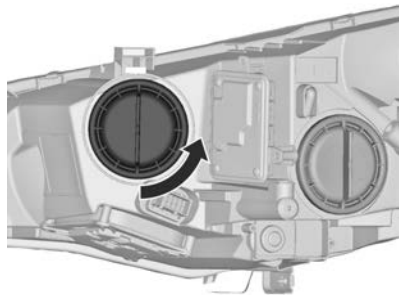
Adaptive forward lighting system uses Xenon headlights.

Xenon headlights work under extremely high electrical voltage. Do not touch. Have bulbs replaced by a Holden dealer.

Sidelight/Daytime running lights are designed as Light Emitting Diodes (LEDs) and cannot be changed.

Bulbs for corner lighting can be changed.

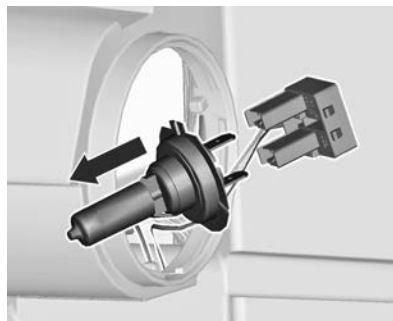
## Corner lighting



1. Rotate the cap anticlockwise and remove it.



2. Rotate the bulb holder anticlockwise to disengage. Withdraw the bulb holder from the reflector.

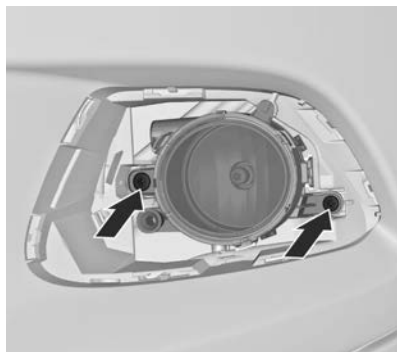


3. Disengage the bulb from the plug connector by pulling.
4. Replace the bulb and connect bulb holder with the plug connector.
5. Insert the bulb holder, engaging the two lugs into the reflector and rotate clockwise to secure.
6. Fit the cap and rotate clockwise.

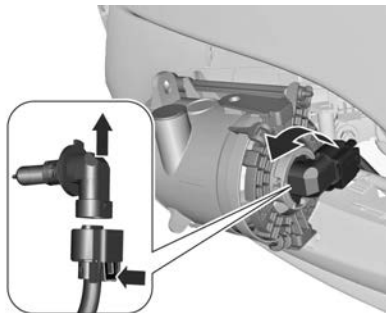
## Fog lights



1. Disengage the cover with a screwdriver in the recess and remove the cover.

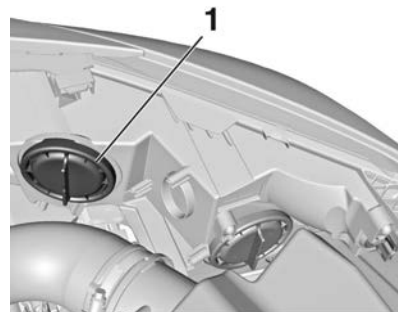


2. Unscrew both screws and remove light assembly from the bumper.



3. Turn the bulb socket anti-clockwise and remove it from the reflector.
4. Disengage the bulb socket from the plug connector by pressing the retaining lug.
5. Remove and replace the bulb socket with bulb and attach the plug connector.
6. Insert the bulb socket into the reflector by turning clockwise and engage.
7. Mount the light assembly by tightening both screws.
8. Assemble and engage the cover.

## Front turn signal lights



1. Rotate cap (1) anticlockwise and remove it.

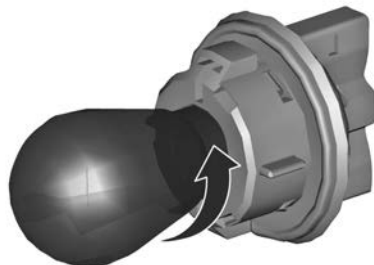


2. Graphic shows version with halogen headlights.



Graphic shows version with adaptive forward lighting headlights.

Rotate bulb socket anticlockwise to disengage and withdraw from the reflector.



3. Remove the bulb from the socket by turning anticlockwise.
4. Replace and insert new bulb into socket by turning clockwise.
5. Insert the bulb socket into the reflector and turn clockwise.
6. Fit the cap and rotate clockwise.

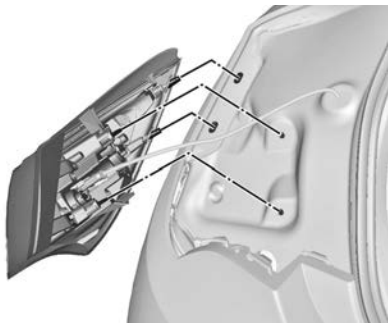
## Tail lights



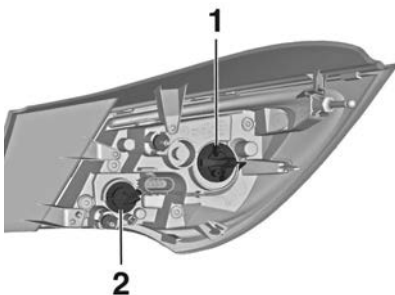
1. Release the cover on the respective side and remove it.



2. Unscrew both plastic securing nuts from the inside by hand.



3. Carefully withdraw the light assembly from the recesses and remove.
4. Detach wiring plug from bulb carrier.



5. Remove the bulb holder by turning and replace the bulb by withdrawing or pushing the bulb slightly into the socket and rotating anticlockwise:

Tail light/Brake light (1)

Turn signal light (2)

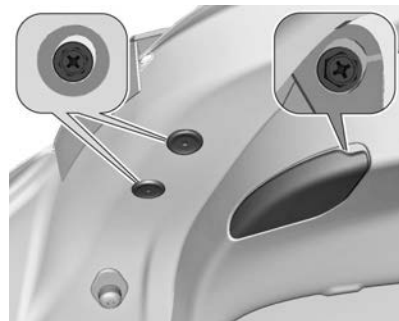
**version with Light Emitting Diode (LED)**

Only turn signal light (2) can be changed.

6. Insert and turn bulb holder clockwise into the tail light assembly. Connect the wiring plug with the light assembly. Fit

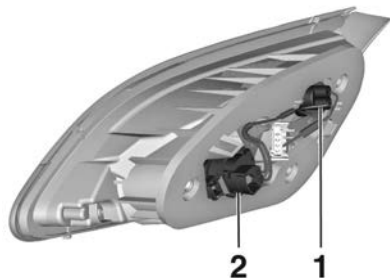
light assembly with the retaining pins into the recesses of the car body and tighten the securing nuts from the inside of the load compartment. Close cover and engage.

### Light assembly in the tailgate



1. Open the tailgate and remove the covers on the respective side.
2. Unscrew three screws.
3. Remove the tail light assembly from tailgate.
4. Remove the bulb holder by turning and replace the bulb by

withdrawing or pushing the bulb slightly into the socket and rotating anticlockwise:



Tail light (1)

Rear fog light/Reverse light (2), depending on the side.

(2) (only one side)

**version with Light Emitting Diode (LED)**

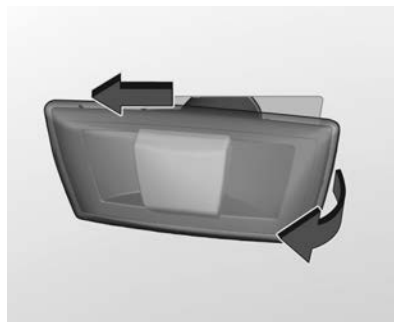
Only rear fog light respectively reverse light (2), depending on the side, can be changed.

5. Insert and turn bulb holder clockwise into the tail light assembly. Fit the tail light

assembly in the tailgate and tighten the screws. Attach all covers.

## Side turn signal lights

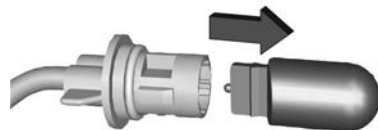
To replace bulb, remove lamp housing:



1. Slide lamp to its left side and remove with its right end.



2. Turn bulb holder anticlockwise and remove from housing.



3. Pull bulb from bulb holder and replace it.

4. Insert bulb holder and turn clockwise.
5. Insert left end of the lamp, slide to the left and insert right end.

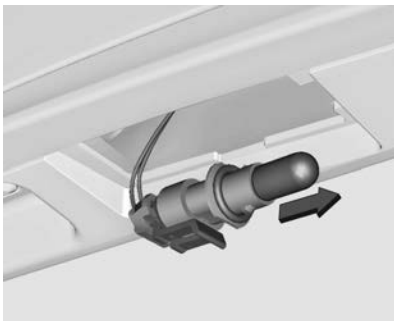
## Number plate light



1. Insert screwdriver in recess of the cover, press to the side and release spring.



2. Remove lamp downwards, taking care not to pull on the cable.



3. Remove bulb holder from lamp housing by turning anticlockwise.

4. Pull bulb from bulb holder and replace it.
5. Insert bulb holder into lamp housing and turn clockwise.
6. Insert lamp into bumper and let engage.

## Interior lights

### Courtesy light, reading lights

Have bulbs replaced by a Holden dealer.

### Load compartment light

Have bulbs replaced by a Holden dealer.

## Instrument panel illumination

Have bulbs replaced by a Holden dealer.

## Electrical system

### Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are three fuse boxes in the vehicle:

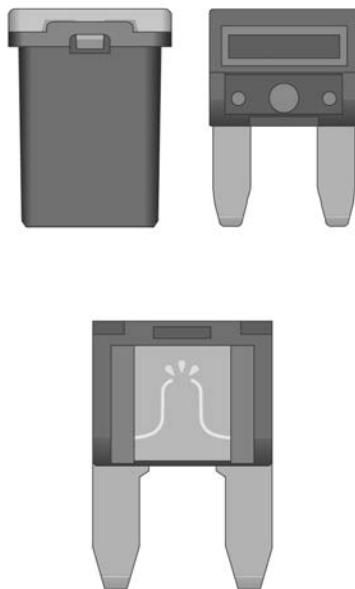
- In the front left of the engine compartment.
- Behind the glovebox.
- Behind a cover on the left side of the load compartment.

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.

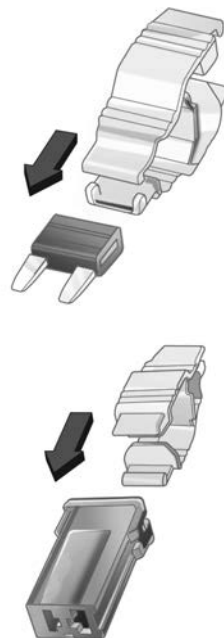
Some functions are protected by several fuses.

Fuses may also be inserted without existence of a function.



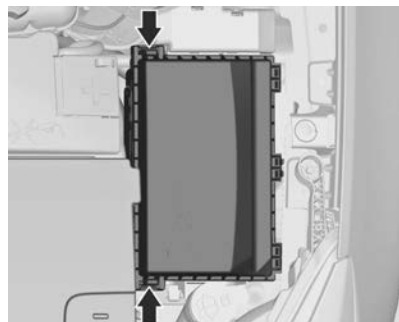
### Fuse extractor

A fuse extractor may be 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 box



The fuse box is in the front left of the engine compartment.

Disengage the cover and fold it upwards until it stops. Remove the cover vertically upwards.

### Note

Not all fuses may be fitted.



### No. Circuit

- | No. | Circuit   |
|-----|---|
| 1   | Engine control module   |
| 2   | Lambda sensor   |
| 3   | Fuel injection/Ignition system                                |
| 4   | Fuel injection/Ignition system                                |
| 5   | –   |
| 6   | Mirror heating/Anti-theft alarm system                        |
| 7   | Fan control/Engine control module/Transmission control module |
| 8   | Lambda sensor/Engine cooling                                  |
| 9   | Rear window sensor  |
| 10  | Vehicle battery sensor  |
| 11  | Trunk release   |
| 12  | Adaptive forward lighting/Automatic light control             |
| 13  | ABS   |
| 14  | Rear window wiper   |

**No. Circuit**

- 15 Engine control module
- 16 Starter
- 17 Transmission control module
- 18 Heated rear window
- 19 Front power windows
- 20 Rear power windows
- 21 Rear electrical centre
- 22 Left high beam (Halogen)
- 23 Headlamp washer system
- 24 Right low beam (Xenon)
- 25 Left low beam (Xenon)
- 26 Front fog lights
- 27 Diesel fuel heating
- 28 Start stop system
- 29 Electric parking brake
- 30 ABS
- 31 Adaptive cruise control

**No. Circuit**

- 32 Airbag
- 33 Adaptive forward lighting/Auto-matic light control
- 34 Exhaust gas recirculation
- 35 Exterior mirror/Rain sensor
- 36 Climate control
- 37 Canister vent solenoid
- 38 Vacuum pump
- 39 Central control module
- 40 Windscreen washer/Rear window washer system
- 41 Right high beam (Halogen)
- 42 Radiator fan
- 43 Windscreen wiper
- 44 Windscreen wiper
- 45 Radiator fan
- 46 –

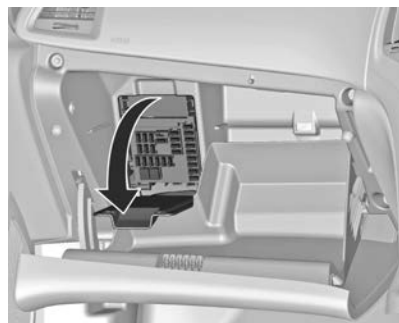
**No. Circuit**

- 47 Horn
- 48 Radiator fan
- 49 Fuel pump
- 50 Headlamp levelling/Adaptive forward lighting
- 51 Air shutter
- 52 Auxiliary heater/Diesel engine
- 53 Transmission control module/Engine control module
- 54 Vacuum pump/Instrument panel cluster/Heating ventilation/Air conditioning system

After having changed defective fuses, close the fuse box cover and press until it engages.

If the fuse box cover is not closed correctly, malfunction may occur.

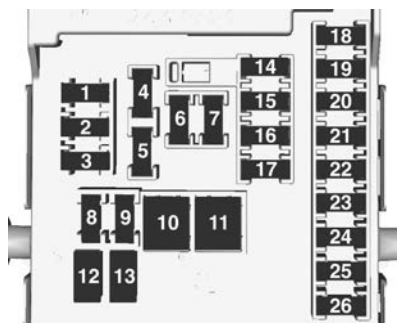
## Instrument panel fuse box



The fuse box is located behind a cover in the glovebox. Open the glovebox, then open the cover and fold it down.

### Note

Not all fuses may be fitted.



### No. Circuit

- |   |                                     |
|---|-------------------------------------|
| 1 | Displays                            |
| 2 | Exterior lights/Body control module |
| 3 | Exterior lights/Body control module |
| 4 | Infotainment system                 |
| 5 | Infotainment system/Instrument      |
| 6 | Power outlet/Cigarette lighter      |
| 7 | Power outlet                        |

### No. Circuit

- |    |  |
|----|--|
| 8  | Left low beam/Body control module                |
| 9  | Right low beam/Body control module/Airbag module |
| 10 | Door locks/Body control module                   |
| 11 | Interior fan                                     |
| 12 | –  |
| 13 | –  |
| 14 | Diagnostic connector                             |
| 15 | Airbag   |
| 16 | Power outlet                                     |
| 17 | Air conditioning system                          |
| 18 | Logistics  |
| 19 | Body control module                              |
| 20 | Body control module                              |
| 21 | Instrument panel cluster/Anti-theft alarm system |
| 22 | Ignition sensor                                  |

**No. Circuit**

- 23** Body control module
- 24** Body control module
- 25** –
- 26** Power outlet load compartment  
(if no load compartment fuse  
box)

## Load compartment fuse box

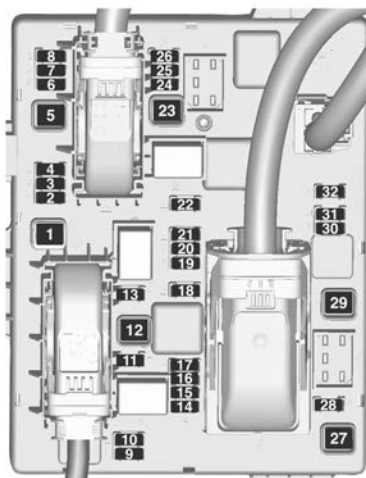
The fuse box is on the left side of the load compartment behind a cover.



Remove the cover.

**Note**

Not all fuses may be fitted.

**No. Circuit**

- 1** –
- 2** Trailer outlet
- 3** Parking assist
- 4** –
- 5** –
- 6** –
- 7** Power seat
- 8** –
- 9** –
- 10** –
- 11** Trailer module/Trailer socket
- 12** Trailer module
- 13** Trailer outlet
- 14** Rear seat/Electrical folding
- 15** –
- 16** Inside mirror/Rear view camera
- 17** Power outlet

**No. Circuit**

- 18 –
- 19 Steering wheel heating
- 20 Sunroof
- 21 Heated front seats
- 22 –
- 23 –
- 24 –
- 25 –
- 26 Deactivated logistic mode
- 27 –
- 28 –
- 29 –
- 30 –
- 31 Amplifier/Subwoofer
- 32 Active damping system/Lane departure warning

## Vehicle tools

### Tools

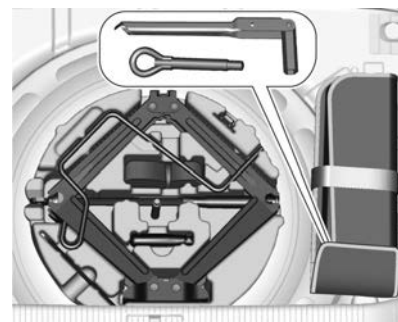
#### Vehicles with tyre repair kit

Some tools and the towing eye are located together with the tyre repair kit in a tool box in the load compartment below the floor cover.



#### Vehicles with spare wheel

A label on the jack indicates the vehicles for which the jack can be used.



The jack, the tools and a strap for securing a damaged wheel are in the tool box below the spare wheel in the load compartment. The wheel wrench and the towing eye are in the tool bag located in the spare wheel well near the tool box. Spare wheel ⇨ 240.

## 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 Holden dealer in the event of damage or unusual wear.

### Tyre designations

#### Directional tyres

Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

### Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel. This also applies to vehicles with tyre pressure monitoring system.

Unscrew the valve cap.



Tyre pressure ⇨ 260.

Refer to the tyre pressure placard on the front left door frame. The tyre pressure data refers to cold tyres. Always inflate the spare tyre to the pressure specified for full load. Incorrect tyre pressures will impair

safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

The driver is responsible for correct adjustment of tyre pressure.

#### Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

If the tyre pressure must be reduced or increased on a vehicle with tyre pressure monitoring system, switch off ignition.

### Tyre pressure monitoring system

The tyre pressure monitoring system (TPMS) checks the pressure of all four wheels once a minute when vehicle speed exceeds a certain limit.

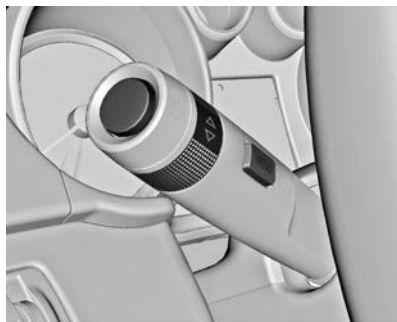
**Caution**


Tyre pressure monitoring system warns only about low tyre pressure condition and does not replace regular tyre maintenance by the driver.

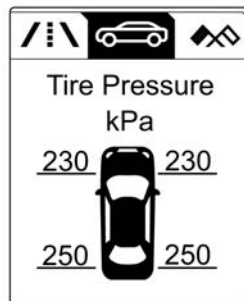
All wheels must be equipped with pressure sensors and the tyres must have the prescribed pressure.

The current tyre pressures can be shown in the **Vehicle Information Menu** in the Driver Information Centre (DIC).

The menu can be selected by the buttons on the turn signal lever.

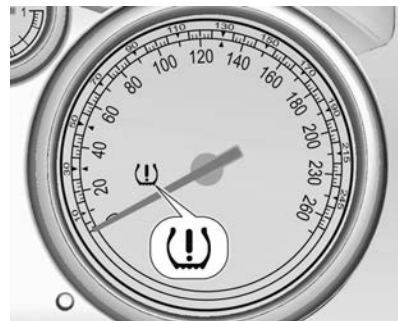



Press **MENU** to select the **Vehicle Information Menu** .





Turn the adjuster wheel to select the tyre pressure monitoring system.


System status and pressure warnings are displayed by a message with the corresponding tyre flashing in the Driver Information Centre.




A detected low tyre pressure condition is indicated by the control indicator   $\rightarrow$  72.

If  illuminates, stop as soon as possible and inflate the tyres as recommended  $\rightarrow$  260.


If  flashes for 60-90 seconds and then illuminates continuously, there is a fault in the system. Consult a Holden dealer.


After inflating, driving may be required to update the tyre pressure values in the DIC. During this time  may illuminate.

If  illuminates at lower temperatures and extinguishes after some driving, this could be an indicator for getting low pressure. Check tyre pressure.

Vehicle messages ⇨ 80.

If the tyre pressure must be reduced or increased, switch off ignition.

Only mount wheels with pressure sensors, otherwise the tyre pressure will not be displayed and  illuminates continuously.

A temporary spare wheel is not equipped with pressure sensors. The tyre pressure monitoring system is not operational for these wheels. Control indicator  illuminates. For the further three wheels the system remains operational.

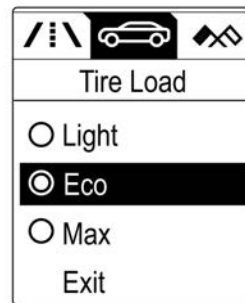
The use of commercially available liquid tyre repair kits can impair the function of the system. Factory-approved repair kits can be used.

External high-power radio equipment could disrupt the tyre pressure monitoring system.

Each time the tyres are replaced, tyre pressure monitoring system sensors must be dismantled and serviced. For the screwed sensor: replace valve core and sealing ring. For clipped sensor: replace complete valve stem.

### Vehicle loading status

Adjust tyre pressure to load condition according to tyre information label or tyre pressure chart ⇨ 260, and select the relevant setting in the menu **Tyre Load** in the DIC, **Vehicle Information Menu** ⇨ 74.



Select:

- **Light** for comfort pressure up to 3 people.
- **Eco** for Eco pressure up to 3 people.
- **Max** for full loading.

### TPMS Sensor Matching Process

Each TPMS sensor has a unique identification code. The identification code must be matched to a new tyre/wheel position after rotating the tyres or exchanging the complete wheel set and if one or more TPMS sensors were replaced. 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 and the warning message or code 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: left side front tyre, right side front tyre, right side rear tyre and left side rear tyre. The turn signal light at the current active position is illuminated until sensor is matched.

Consult your Holden 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. Apply the parking brake; on vehicles with automatic transmission set the selector lever to **P**.
2. Turn the ignition on.
3. Use **MENU** on the turn signal lever to select the **Vehicle Information Menu** in the Driver Information Centre (DIC).
4. Turn the adjuster wheel to scroll to the tyre pressure menu.
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 left 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 right side front tyre, and repeat the procedure in Step 8.
10. Proceed to the right side rear tyre, and repeat the procedure in Step 8.
11. Proceed to the left side rear tyre, and repeat the procedure in Step 8. The horn sounds twice to indicate the sensor identification code has been matched to the left side rear tyre, and the TPMS sensor matching process is no longer active.
12. Turn off the ignition.
13. Set all four tyres to the recommended air pressure level as indicated on the tyre pressure label.
14. Ensure the tyre loading status is set according selected pressure ⇨ 74.

## Temperature dependency

Tyre pressure depends on the temperature of the tyre. During driving, tyre temperature and pressure increase.

The tyre pressure value displayed in the DIC shows the actual tyre pressure. Therefore it is important to check tyre pressure with cold tyres.

## Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons when

1. The tyres are worn to the point where the tread indicators as shown, appear or the cord or fabric is showing.
2. The tread or side wall is cut, split, or cracked deep enough to expose the cord or fabric.

3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which cannot be repaired because of the size or location of the damage. If in doubt about the extent of the damage to the tyre, have it removed from the wheel and examined by a tyre specialist.



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 periodically. 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.

## Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

**⚠ Warning**

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

**Tyre chains****⚠ Warning**

Do not use tyre chains. There is not enough clearance. Tyre chains used on a vehicle without the proper amount of clearance can cause damage to the brakes, suspension, or other vehicle parts. The area damaged by the tyre chains could cause loss of control and a crash. Use another type of traction device only if its manufacturer recommends it for the vehicle's tyre size combination and road conditions.

Follow that manufacturer's instructions. To avoid vehicle damage, drive slow and readjust

or remove the traction device if it contacts the vehicle. Do not spin the wheels. If traction devices are used, install them on the front tyres.

**Tyre repair kit**

Some vehicles are equipped with a spare wheel instead of a tyre repair kit ➤ 237.

Minor damage to the tyre tread can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is in the tyre's sidewall cannot be repaired with the tyre repair kit.

**⚠ Warning**

Do not drive faster than 80 km/h.  
Do not use for a lengthy period.  
Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear, reverse gear or **P**.

The tyre repair kit is in a compartment under the floor cover in the load compartment.



1. Take the tyre repair kit from the compartment.
2. Remove the compressor.

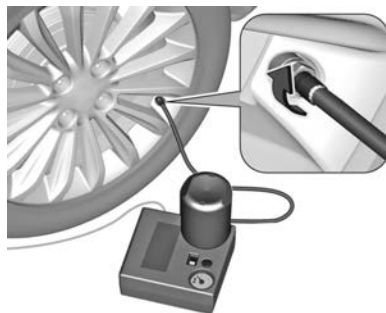


3. Remove the electrical connection cable and air hose from the stowage compartments on the underside of the compressor.



4. Screw the compressor air hose to the connection on the sealant bottle.
5. Fit the sealant bottle into the retainer on the compressor.

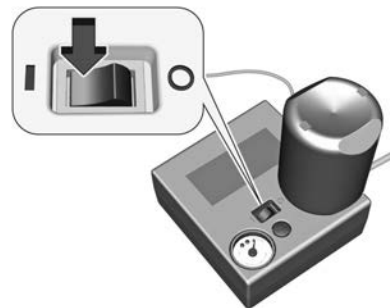
Set the compressor near the tyre in such a way that the sealant bottle is upright.



6. Unscrew valve cap from defective tyre.
7. Screw the filler hose to the tyre valve.
8. The switch on the compressor must be set to O.

9. Connect the compressor plug to the power outlet.

To avoid discharging the battery, we recommend running the engine.



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.

13. The prescribed tyre pressure should be obtained within 10 minutes. Tyre pressure  $\nabla$  260. 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.

### **Warning**

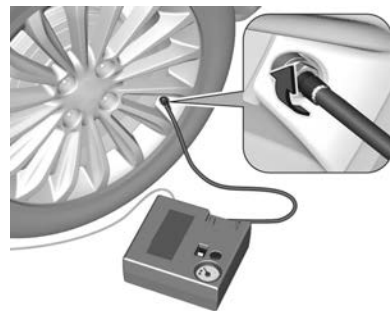
If the recommended pressure cannot be reached after approximately 10 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre sealant and air compressor kit cannot inflate the tyre. Disconnect and stow the tyre sealant and air compressor kit back in its original position. Contact a Holden Dealer.

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 the tyre inflation hose to the free connection of the sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.

15. Remove any excess sealant using a cloth.
16. Take the label indicating maximum permitted speed from the sealant bottle and affix in the driver's field of view.
17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 10 km (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.

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 Holden dealer.

18. Stow away tyre repair kit in load compartment.

### Note

The driving characteristics of the repaired tyre are 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.

The built-in safety valve opens at a pressure of 7 bar.

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.

The adapters supplied can be used to pump up other items e.g. footballs, air mattresses, inflatable dinghies etc. They are located on the underside of the compressor. To remove, screw on compressor air hose and withdraw adapter.

## Wheel changing

Some vehicles are equipped with a tyre repair kit instead of a spare wheel  
➔ 234.

### Warning

All passengers must be out of the vehicle when it is being jacked.

Only jack the vehicle on hard, level surfaces.

Ensure moving parts of the jack are adequately lubricated before use.

Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.

If using a jack (or hoist) other than the jack supplied with the vehicle, refer to the following pages in this chapter for the correct lifting positions.

Do not start or run the engine while the vehicle is supported by the jack.

Use the jack only for lifting the vehicle when changing wheels.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

Vehicles with alloy wheels may have a steel spare wheel. Drive carefully and do not exceed 80 km/h when a combination of alloy and steel wheels are fitted on the vehicle. Although the spare tyre was fully inflated when the

vehicle was new, it can lose air over time. Check the inflation pressure regularly. After installing the spare wheel on the vehicle, stop as soon as possible to check the inflation pressure is correct. Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

Make the following preparations and observe the following information:

- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear, reverse gear or P.
- Chock the wheel diagonally opposite the flat tyre with a suitable solid object.
- Remove the spare wheel ⇨ 240.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture.

- The jack is maintenance-free.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.
- Take heavy objects out of the vehicle before jacking up.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

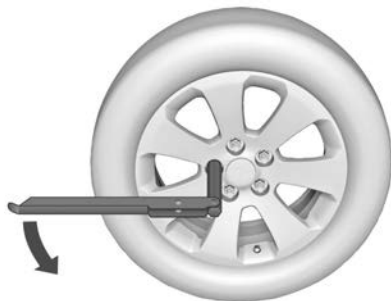
#### Warning

Do not grease wheel bolt, wheel nut and wheel nut cone.

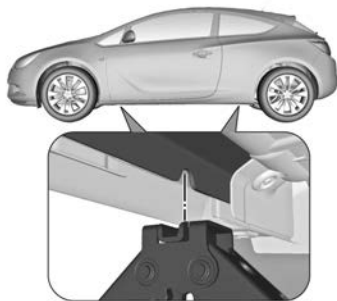
1. Alloy wheels with nut caps:  
Disengage wheel nut caps with a screwdriver and remove. To protect the wheel, place a soft cloth between the screwdriver and the alloy wheel.



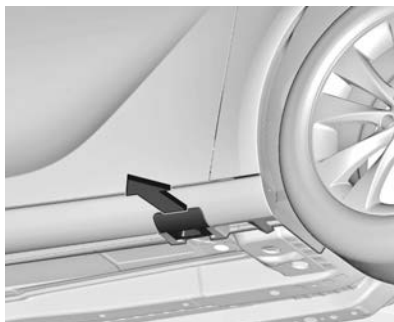
Alloy wheels with centre cap:  
Disengage centre cap by carefully pulling each side of the cap away from the wheel with your hands.



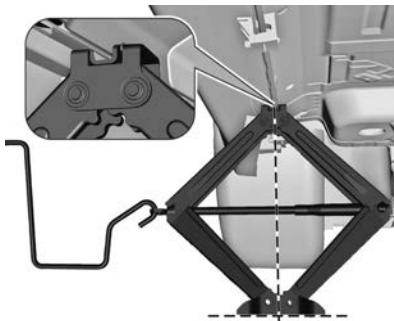
2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.



3. Ensure the jack is correctly positioned under the relevant vehicle jacking point.



Some versions have sill panellings with covered vehicle jacking points: pull out the cover at the respective jacking point firstly.



4. Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.

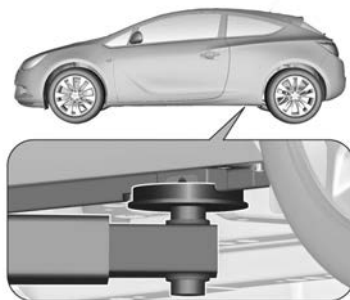


Attach jack handle and with the jack correctly aligned rotate handle until wheel is clear of the ground.

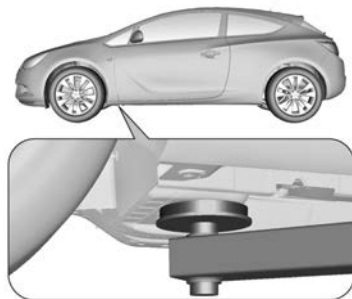
5. Unscrew the wheel nuts.
6. Change the wheel. Spare wheel ⇨ 240.
7. Screw on the wheel nuts.
8. Lower the vehicle and remove jack.

9. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 140 Nm.
10. Install wheel nut caps.  
Install centre cap on alloy wheels.
11. Install vehicle jacking point cover on versions with sill panelling.
12. Stow the replaced wheel ↗ 240, the vehicle tools ↗ 228 and the key adapter ↗ 49.
13. Check the tyre pressure of the installed tyre and the wheel nut torque as soon as possible.  
Have the defective tyre renewed or repaired as soon as possible.

### Jacking position for lifting platform



Rear arm position of the lifting platform centrally under the recess of the sill.



Front arm position of the lifting platform at the underbody.

### Spare wheel

Some vehicles are equipped with a tyre repair kit instead of a spare wheel.

If mounting a spare wheel, which is different from the other wheels, this wheel might be classified as a temporary spare wheel and the corresponding speed limits apply, even though no label indicates this.

Seek the assistance of a Holden dealer to check the applicable speed limit.

The spare wheel has always a steel rim.

### Caution

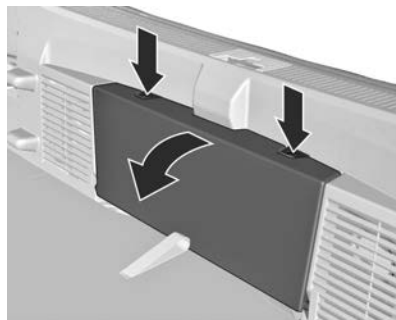
The use of a spare wheel that is smaller than the other wheels could affect driveability. Have the defective tyre replaced as soon as possible.



The spare wheel is located in the load compartment beneath the floor covering. It is secured with a wing nut.

To remove:

1. Open the floor cover.



2. Remove rear storage by pressing both buttons. Fold down cover and extract storage upwards.
3. The spare wheel is secured with a wing nut. Untwist nut, remove conus to take out the spare wheel.

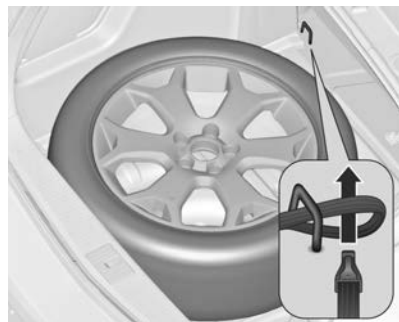
Under the spare wheel there is the box with vehicle tools.

4. When, after a wheel change, no wheel is placed in the spare wheel well, secure the tool box by turning right back the wing nut and close floor cover.

### Stowing a damaged full size wheel in the load compartment

The spare wheel well is not designed for other tyre sizes than the spare wheel. A damaged full size wheel must be stowed in the load compartment and secured with a strap. Vehicle tools ⇨ 228. To secure the wheel:

1. Position the wheel outside up close to one sidewall of the load compartment.



2. Place the loop end of the strap through the front lashing eye on the appropriate side.
3. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the lashing eye.



4. Insert the strap through the spokes of the wheel as shown in the illustration.
5. Mount the hook to the rear lashing eye.
6. Tighten the strap and secure it using the buckle.

### **⚠ Danger**

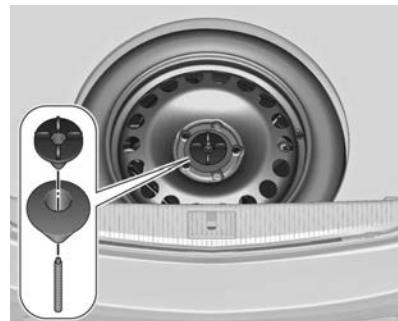
Always drive with folded up and engaged rear seat backrests when stowing a damaged full size wheel in the load compartment.

### **Stowing the spare wheel back in the well after replacing the damaged wheel**

1. Open the floor cover, untwist and remove wing nut.

Open floor cover, remove rear storage, untwist and remove wing nut and conus.

2. Place the tools in the tool box or the tool bag ↗ 228.
3. Place spare wheel outside up in the wheel well and secure by turning the wing nut right back.



Position the excentric conus in the recess of the spare wheel before turning the wing nut right back.

4. Close floor cover and insert rear storage.

### Warning

Storing a jack, a wheel or other equipment in the load compartment could cause injury if they are not fixed properly. During a sudden stop or a collision, loose equipment could strike someone.

Store jack and tools always in the respective storage compartments and secure them by fixing.

Damaged wheel placed in the load compartment must always be secured by the strap.

## Temporary spare wheel

### Caution

The use of a spare wheel that is smaller than the other wheels could affect driveability. Have the defective tyre replaced as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use for a long period of time.

If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full tyre in the rear.

Tyre chains ⇨ 234.

## Jump starting

Do not start with quick charger.

A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle 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.

### Warning

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

**⚠ Warning**

Never expose the battery to naked flames or sparks.

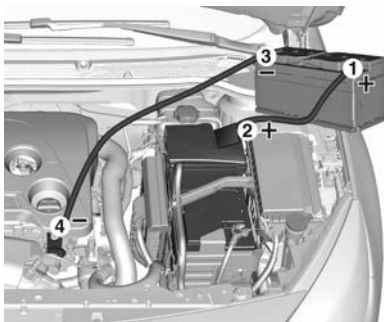
Wear eye protection and protective clothing when handling a battery.

Do not lean over the battery during jump starting.

Do not allow the terminals of one lead to touch those of the other lead.

- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen vehicle battery before connecting jump leads.
- Use a booster vehicle battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged vehicle battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm<sup>2</sup>.

- Do not disconnect the discharged vehicle battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in **P**.
- Open the positive terminal protection caps of both vehicle batteries.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster vehicle battery.
2. Connect the other end of the red lead to the positive terminal of the discharged vehicle battery.
3. Connect the black lead to the negative terminal of the booster vehicle 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 vehicle battery as possible.

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.

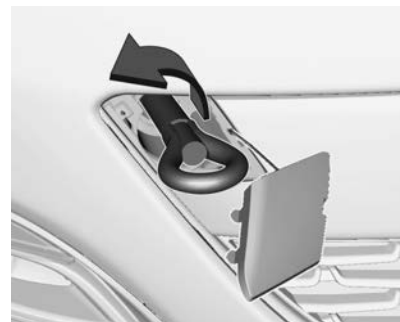
## Towing

### Towing the vehicle



Insert a screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ➞ 228.



Screw in the towing eye as far as it will go until it stops in a horizontal position.

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 wheel lock and to permit operation of brake lights, horn and windscreen wiper.

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 gases from the towing vehicle, switch on the air recirculation and close the windows.

Vehicles with automatic transmission: The vehicle must be towed facing forwards, not faster than 80 km/h nor further than 100 km. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Seek the assistance of a Holden dealer.

After towing, unscrew the towing eye.

Insert cap at the top and engage downwards.

**Towing another vehicle**

Insert a screwdriver in the slot at the lower bend of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 228.



Screw in the towing eye as far as it will go until it stops in a horizontal position.

The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or even better a tow bar – to the towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

**Caution**

Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

After towing, unscrew the towing eye.

Insert cap at the top and engage downwards.

## 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 a de-icing agent, have the locks regreased by a Holden dealer.

#### 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. Failure to do so may result in permanent damage. Road bloom is a gradual build up of

road and environmental grime. This should be removed with a paint cleaner product, in addition to normal washing, on an annual basis.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wiper and rear window wiper must be switched off. 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 bonnet as well as the areas they cover.

**Caution**

Always use a cleaning agent with a pH value of 4 to 9.

Do not use cleaning agents on hot surfaces.

Have the door hinges of all doors greased by a Holden dealer.

**⚠ Warning**

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

On vehicles with emblem touchpad: when cleaning with a high-pressure jet cleaner ensure a minimum distance of 30 cm when working around the tailgate to prevent unintended unlocking.

Thoroughly rinse and chamois the vehicle. Rinse chamois frequently. Use separate chamois 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**

Headlight and other light 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.

**Polishing and waxing**

Wax the vehicle regularly (at the latest when water no longer beads).

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 windscreen wiper blades**

Use a soft lint-free cloth or chamois together with window cleaner and insect remover.

When cleaning the rear window from inside, always wipe in parallel to the heating element to prevent damage.

Remove dirt residues from smearing wiper blades by using a soft cloth and window cleaner. Also make sure to remove any residues such as wax, insect residues and similar from the window.

Pollution and continuous wiping on dry windows will damage or even destroy the wiper blades.

**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 Holden dealer.

**Underbody**

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

After the underbody is washed, check the underbody and have it waxed if necessary.

Bitumen/rubber materials could damage the PVC coating. Have underbody work carried out by a Holden dealer.

Before and after winter, wash the underbody and have the protective wax coating checked.

## Interior care

### Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument cluster and the displays should only be cleaned using a soft damp cloth. If necessary use a weak soap solution.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.

Clean seat belts with lukewarm water or interior cleaner.

### Caution

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

### Leather

Clean regularly using a leather revitaliser or mild detergent.

- Apply revitaliser using a lint free cloth and rub it onto the leather.
- Do not saturate the leather with the cleaner and do not pour on directly.
- Allow to dry naturally.
- For deeply embedded soil and dirt, use a leather cleaner.
- After using a leather cleaner/ revitaliser, apply a leather protector.

A leather protector is designed to repel dirt and provides water resistance.

### Note

- Clean and protect leather at least twice a year.
- Do not use synthetic cloths or brushes.
- Leather is a natural product and may have natural markings, variation in graining, colouring and wrinkling.
- Leather has an elasticity and may stretch. This is a natural characteristic of leather.

### 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.

## Service and maintenance

General information .....	250
Recommended fluids, lubricants and parts .....	250

## 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.

See your service booklet for the service schedules and for more information.

## Recommended fluids, lubricants and parts

### Recommended fluids and lubricants

Only use products that meet the recommended specifications. Damage resulting from the use of products not in line with these specifications 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. 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

dexos 2 = 1.6 and 2.0L Petrol engine

### Selecting the right engine oil

Selecting the right engine oil depends on the proper oil specification and viscosity grade.

Use and ask for engine oils with the dexos certification mark. Oils meeting the requirements of your vehicle should have the dexos certification mark on the container. This certification mark indicates that the oil has been approved to the dexos specification.

Your vehicle 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 or engine damage 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.

## Additional engine oil additives

The use of additional 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, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature ⇨ 255.

All of the recommended viscosity grades are suitable for high ambient temperatures.

## Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze approved for the vehicle. Consult a Holden dealer.

The system is factory filled with coolant designed for excellent corrosion protection and frost

protection down to approx. -28 °C. In northern countries with very low temperatures the factory filled coolant provides frost protection down to approx. -37°C. This concentration should be maintained all year round. The use of additional coolant additives that intend to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

### **Brake and clutch fluid**

Only use DOT4 brake fluid.

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

### **⚠ Warning**

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

### **Power steering fluid**

Only use Dexron VI fluid.

### **Automatic transmission fluid**

Only use Dexron VI fluid.

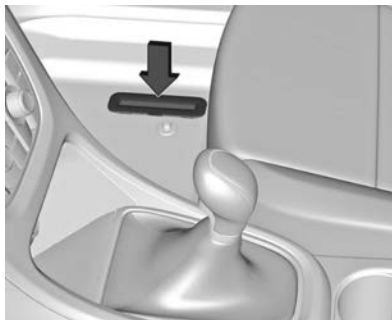
## Technical data

Vehicle identification ..... 253

Vehicle data ..... 255

## Vehicle identification

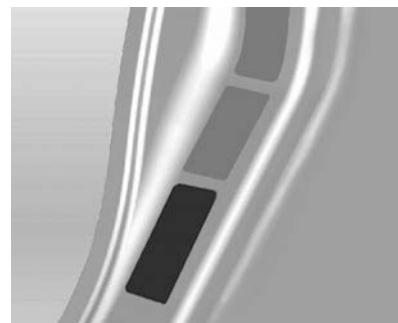
### Vehicle Identification Number



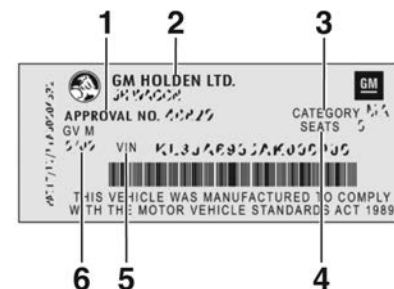
The Vehicle Identification Number may be stamped on the identification plate and on the floor pan, under the floor covering, visible under a cover.

The Vehicle Identification Number may be embossed on the instrument panel, visible through the windscreen, or in the engine compartment on the right body panel.

## Identification plate



The identification plate is located on the front left door frame.



Information on identification label:

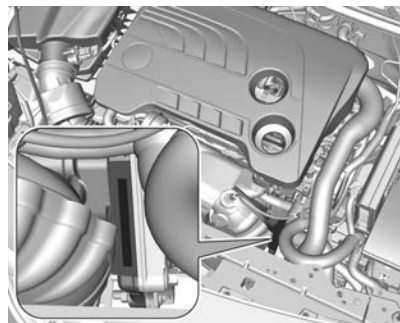
- 1 = Approval number
- 2 = Manufacturer
- 3 = Category
- 4 = Number of seats
- 5 = Vehicle identification number
- 6 = Compliance date

### Build date label

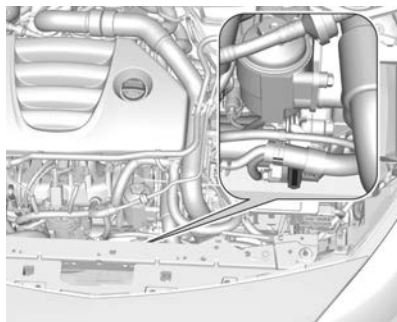
The build date label is located in the front part of the engine compartment.

### Engine serial number

#### 1.6L Petrol engine



#### 2.0L Petrol engine



The engine serial number is located in the front part of the engine compartment.

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## Vehicle data

### Recommended fluids and lubricants

#### International service schedule

##### Required engine oil quality

Engine	Oil quality	Oil grade
1.6L Petrol	dexos 2	SAE 5W-30 or 5W-40
2.0L Petrol	dexos 2	SAE 5W-30 or 5W-40

In case dexos quality is unavailable you may use the oil grade listed above.

## Engine data

Engine	1.6L A/T	1.6L M/T	2.0L
Number of cylinders	4	4	4
Piston displacement [cm <sup>3</sup> ]	1598	1598	1998
Engine power [kW]	Refer to <a href="http://www.holden.com.au">www.holden.com.au</a>		
Torque [Nm]	Refer to <a href="http://www.holden.com.au">www.holden.com.au</a>		
Fuel type	Petrol	Petrol	Petrol
Octane rating RON			
recommended	98	98	98
possible	95	95	95
possible	91 <sup>1)</sup>	91 <sup>1)</sup>	91 <sup>1)</sup>

<sup>1)</sup> Use of 91 RON petrol is possible only for short periods and if high engine load, full load or driving in mountainous terrain with a caravan / trailer or high payload is avoided.

## Vehicle weight

### Additional weight

#### Maximum vehicle payloads

Engine	Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
1.6L A/T	5	68	497
1.6L M/T	5	68	487
2.0L	5	68	490

#### Maximum front and rear axle loads

Engine	Front axle loads (kg)	Rear axle loads (kg)
1.6L A/T	1120	930
1.6L M/T	1110	930
2.0L	1140	930

Loading information ⇨ 57.

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## Vehicle dimensions

Length [mm]	4466
Width without exterior mirrors [mm]	1840
Width with two exterior mirrors [mm]	2020
Height (without antenna) [mm]	1482
Length of load compartment floor [mm]	855
Length of load compartment with folded rear seats [mm]	1617
Load compartment width [mm]	980
Load compartment height [mm]	512
Wheelbase [mm]	2695
Turning circle diameter [m]	11.4

---

---

## Capacities

### Engine oil

#### Engine

1.6L A/T,  
1.6L M/T

2.0L

---

including Filter [l]

5.5

6.0

---

between MIN and MAX [l]

1.0

1.0

---

### Fuel tank

Petrol, refilling quantity [l]

56

---

## Tyre pressures

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
1.6L	235/45 R19, 235/50 R18	230/2.3 (33)	230/2.3 (33)	270/2.7 (39)	270/2.7 (39)	240/2.4 (35)	280/2.8 (41)
2.0L	245/35 R20	270/2.7 (39)	250/2.5 (36)	280/2.8 (41)	290/2.9 (42)	280/2.8 (41)	310/3.1 (44)
	Temporary spare wheel	420/4.2 (61)	420/4.2 (61)	–	–	420/4.2 (61)	420/4.2 (61)

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## Customer information

### Owner assistance

#### Holden Customer Care

At Holden, we want you to be completely satisfied with your ownership experience. This applies to your vehicle and any Holden representative you may deal with. Refer below for two options for seeking assistance with your query.

#### Holden Dealerships

Holden encourages you to seek assistance from your Holden Dealership. Each Holden Dealership is equipped to manage any sales, servicing, parts or technical query. In the instance that you wish to escalate a query to a higher level of staff, further options are available to you. As a first step, Holden suggests you discuss any concern with the relevant Department Manager (Sales Manager or Service Manager). Alternatively, the Dealership General Manager or Dealer Principal will also be happy to assist you.

### Holden Customer Care Office

Should you wish to speak to a Holden representative, you are welcome to contact the Holden Customer Care team. Refer below for operating hours and various methods of communication.

#### Operating Hours

Weekdays: 8am – 7pm AEST

Saturday: 9am – 1pm AEST

#### Telephone

Holden Customer Care can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:

**1800 033 349**

#### Email

Alternatively, you may prefer to email Holden at:

**holdencustomer care@gm.com**

#### Written Correspondence

You can also write to Holden at the address below:

**The Manager****Holden Customer Care Centre****GPO Box 1714****Melbourne 3001**

Your written correspondence should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service/ Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service/Warranty Booklet in your vehicle's glove box.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

**New Zealand**

The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

**0800 HOLDEN (0800 465 336)**

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

Alternatively, you may prefer to email Holden at:

**[holdencustomercare@gm.com](mailto:holdencustomercare@gm.com)**

You can also write to Holden at the address below:

**The Manager****Holden Customer Care Centre****P.O. Box 11195****Ellerslie****Auckland 1542****New Zealand**

## Vehicle data recording and privacy

### Event data recorders

#### Data storage modules in the vehicle

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors. In general, this technical information documents the condition of parts, modules, systems or the environment:

- operating conditions of system components (e.g. filling levels)
- status messages of the vehicle and its single components (e.g. number of wheel revolutions / rotational speed, deceleration, lateral acceleration)
- dysfunctions and defects in important system components

- vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system)
- environmental conditions (e.g. temperature)

These data are exclusively technical and help identifying and correcting errors as well as optimising vehicle functions.

Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (manufacturer included) are able to read out this technical information from the event and error data storage modules applying special diagnostic devices. If required, you will receive further information at these Holden dealers. After an error has been corrected, the data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

## Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Holden vehicles does not use or record personal information or link with any other Holden system containing personal information.



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