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Introduction

Introduction

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

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

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

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

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

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

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

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each chapter shows where the information is located.
- The index will enable you to search for specific information.
- This Owner's Manual depicts left-hand drive vehicles. Operation is similar for right-hand drive vehicles.

- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the chapter "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.
- 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.

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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".

We wish you many hours of
pleasurable driving

Chevrolet

In brief

Initial drive information

Vehicle unlocking

Radio remote control



Press button  to unlock the doors and load compartment. Open the doors by pulling the handles, to open the tailgate, press the button under the tailgate moulding.

Radio remote control ⇨ 19, Central locking system ⇨ 20, Load compartment ⇨ 23.

Seat adjustment

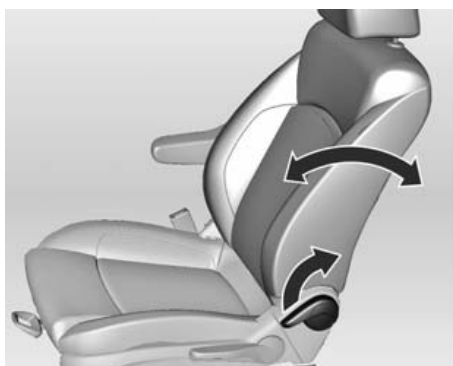
Seat positioning



Pull handle, slide seat, release handle.

Seat adjustment ⇨ 35, Seat position ⇨ 35.

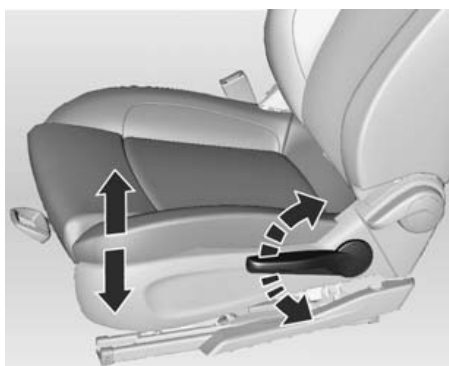
Seat backrests



Pull lever, adjust inclination and release lever. Allow the seat to engage audibly. Do not lean on backrest when adjusting.

Seat adjustment ⇨ 35, Seat position ⇨ 35.

Seat height

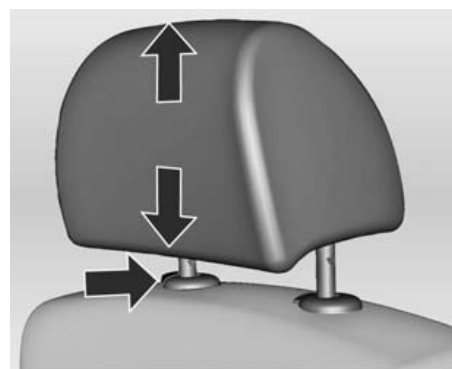


Lever pumping motion

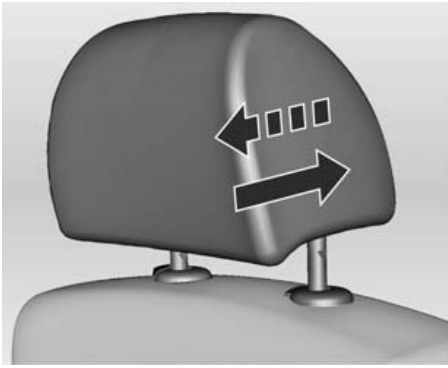
up = higher
down = lower

Seats ⇨ 35, Seat position ⇨ 35.

Head restraint adjustment



For height adjustment, pull the head restraint upward. To move down press the catch and push the head restraint downwards.



Pull the head restraint forward, it engages in several positions.

To automatically bring into rear position, pull head restraint close forward.

Head restraints on second and third seat row ⇨ 33.

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 belts ⇨ 41, Airbag system ⇨ 45, Seat position ⇨ 35.

Mirror adjustment

Interior mirror



Adjust the lever on the underside to reduce dazzle.

Interior mirror ⇨ 28, Automatic anti-dazzle interior mirror ⇨ 29.

Exterior mirrors



Select the relevant exterior mirror and adjust.

Electric adjustment ⇨ 27, Convex exterior mirrors ⇨ 27, Folding exterior mirrors ⇨ 27, Heated exterior mirrors ⇨ 28.

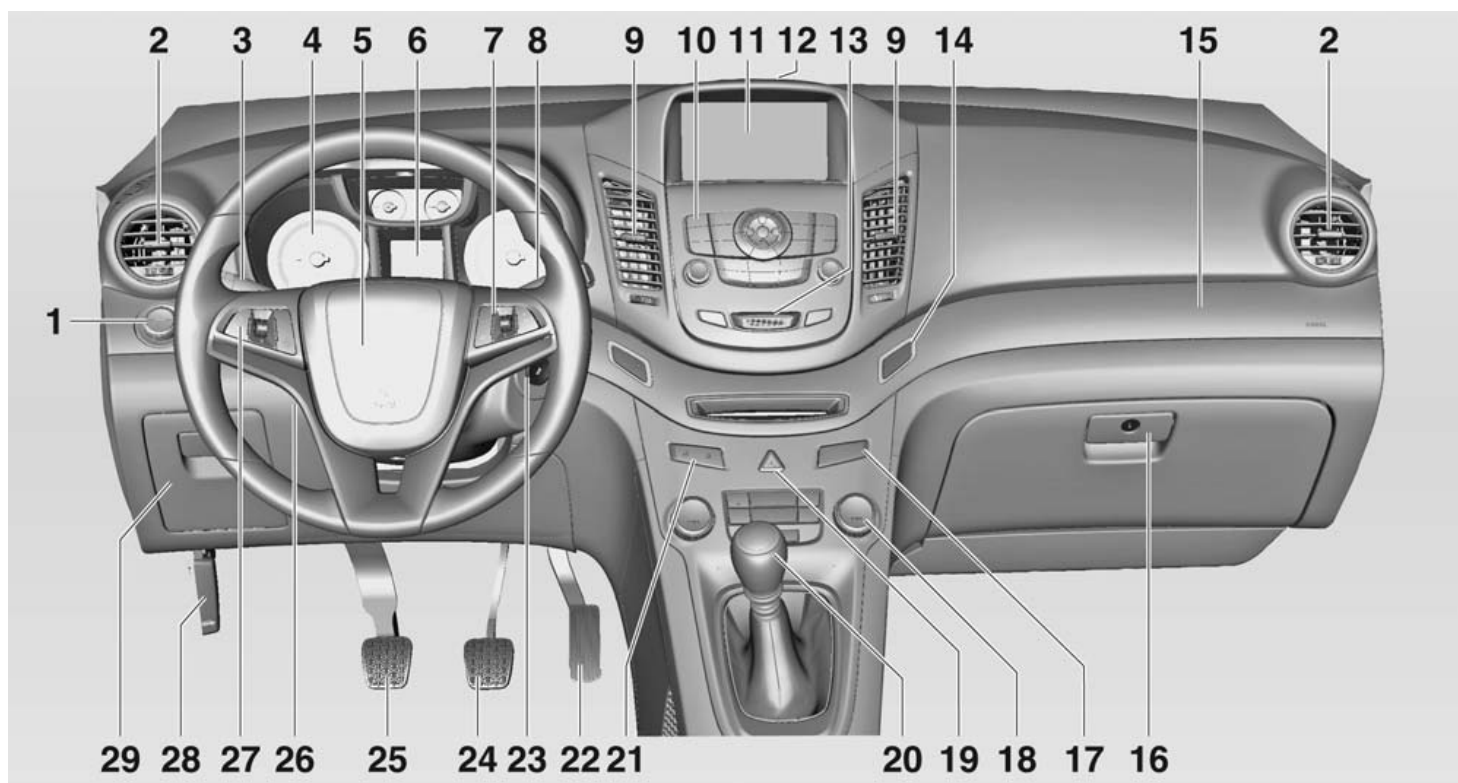
Steering wheel adjustment



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.

Airbag system ⇨ 45, Ignition positions ⇨ 181.

Instrument panel overview



1	Light switch	84	13	Button for storage box	55	29	Storage compartment, fuse box	216
	Front fog lights	87	14	Traction control system	190			
	Rear fog light	87		Electronic Stability Control .	190			
	Instrument illumination	88	15	Front passenger airbag	46			
2	Side air vents	178	16	Glovebox	56			
3	Turn signals, headlight flash, low beam and high beam	86	17	Control indicator for airbag deactivation / activation	48			
	Exit lighting	89		Control indicator for front passenger seat belt	73			
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	Driver's airbag	46		Selector lever, automatic transmission	185			
6	Driver Information Centre	78	21	Central locking system	20			
7	Remote control for infotainment system	61	22	Accelerator pedal	181			
8	Windscreen wipers, windscreen washer system ...	62	23	Ignition switch with steering wheel lock	181			
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9	Centre air vents	178	25	Clutch pedal	180			
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11	Info-Display	78	27	Cruise Control	191			
12	Anti-theft alarm system status LED	24	28	Bonnet release lever	198			

Exterior lighting

Light switch



Turn:

- 0** = Lights off.
- = Position lights
- = Headlights

Light switch with Automatic light control



Turn:

- Auto** = Automatic light control: Headlights and sidelights are switched on and off automatically depending on external light conditions.
- = Activation or deactivation of the automatic light control, switch turns back to **AUTO**.
- = Position lights
- = Headlights

Lighting ⇨ 84.

Fog lights



Press

- = front fog lights
- = rear fog lights

Headlight flash, high beam and low beam



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

High beam ⇨ 85, Headlight flash
⇨ 85, Automatic light control
⇨ 85.

Turn and lane-change signals



right = lever up
left = lever down

Turn and lane change signals ⇨ 86.

Hazard warning flashers



Operated with the  button.
Hazard warning flashers ⇨ 86.

Horn



Press .

Washer and wiper systems

Windscreen wipers

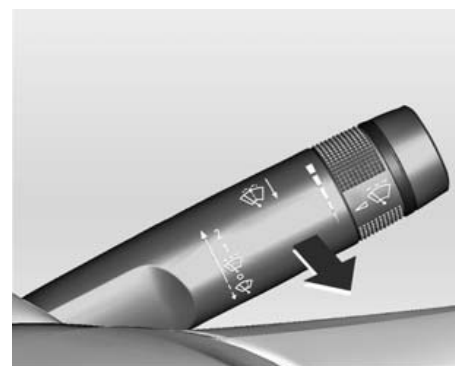


- 2** = fast
- 1** = slow
-  = timed interval wiping or automatic wiping with rain sensor
- O** = off

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

Windscreen wipers ⇨ 62, Wiper replacement ⇨ 206.

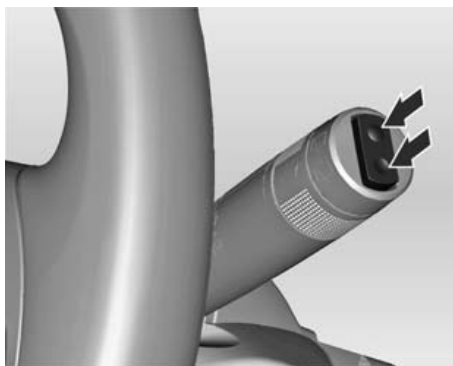
Windscreen washer system



Pull lever.

Windscreen washer system ⇨ 62,
Washer fluid ⇨ 204.

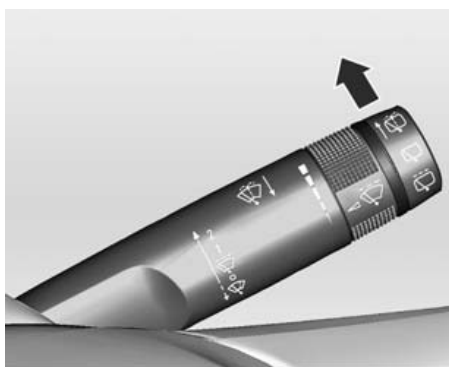
Rear window wiper and washer systems



Press the rocker switch to activate the rear window wiper:

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

Rear window wiper/washer → 64.



Push lever.

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

Climate control

Heated rear window, heated exterior mirrors



Heating is operated by pressing the  button.

Heated rear window → 30.

Demisting and defrosting the windows



Press button .

Set temperature control to warmest level.

Cooling  on.

Heated rear window  on.

Climate control system ⇨ 171.

Transmission

Manual transmission



Reverse: with the vehicle stationary, declutch and then pull up the ring on the selector lever and engage the gear.

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

Manual transmission ⇨ 187.

Automatic transmission



P = park

R = reverse

N = neutral

D = drive

Manual mode: move selector lever from **D** to the left.

+ = higher gear

- = lower gear

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**, push the release button.

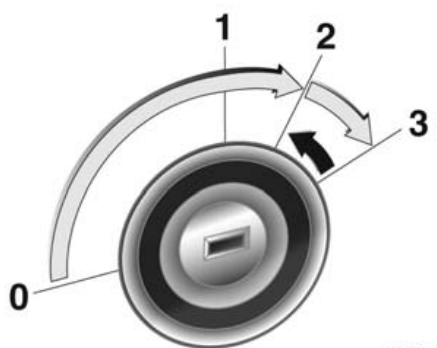
Automatic transmission ⇨ 185.

Starting off

Check before starting off

- Tyre pressure and condition ↗ 219, ↗ 251.
- Engine oil level and fluid levels ↗ 202.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and operational.
- Proper position of seats, seat belts and mirrors ↗ 35, ↗ 43, ↗ 27.
- Check 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: operate brake and move selector lever in **P** or **N**;
- Do not accelerate;

- Diesel engine: turn the key to position **2** for preheating until control indicator  goes out;
- Turn key to position **3** and release when engine is running.

Before restarting or to switch off the engine, turn key back to 1.

Parking

- Always apply parking brake without pressing release button. Apply as firmly as possible on a downhill slope or uphill slope. Operate foot brake at same time to reduce operating force.

- Switch off the engine and ignition. Turn the ignition key to 0, remove and turn the steering wheel until the steering wheel lock is felt to engage.

For vehicles with automatic transmission, move selector lever to **P** position and remove key.

- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

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

- Close windows and sunroof.

- Lock the vehicle with button  on the remote control.
- Activate the anti-theft alarm system ⇨ 24.
- Do not park the vehicle on an easy flammable surface. The high temperature of the exhaust system could ignite the surface.
- The engine cooling fans may run after the engine has been switched off ⇨ 198.
- After running at high engine speeds or with high engine loads, operate the diesel engine briefly at a low load or run in neutral for about 1 to 2 minutes at idle speed before switching off in order to protect the turbocharger.

Keys, locks ⇨ 19.

Keys, doors and windows

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Keys, locks

Keys

Replacement keys

The key number is specified on a detachable tag.

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

Locks ⇨ 233.



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

Radio remote control



Used to operate:

- Central locking system
- Anti-theft alarm system

The radio remote control has a range of approx. 25 metres. This range can be affected by outside influences.

The hazard warning flashers confirm operation.

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

Fault

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

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

Unlocking the vehicle ⇨ 20.

Basic settings

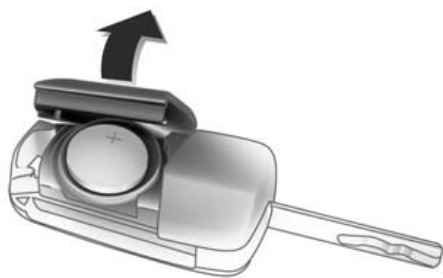
Some settings can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 82.

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.

Memorised settings

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

- Electronic climate control
- Lighting
- Infotainment system
- Power door locks

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

Vehicle personalisation ⇨ 82.

Central locking system

Unlocks and locks doors, load compartment and fuel filler flap.

A pull on an interior door handle unlocks and opens the door.

Note

In the event of an accident of a certain severity, the vehicle unlocks automatically.

Unlocking

Radio remote control



Press button .

Two settings are possible:

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

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

The settings can be stored by the key being used, memorised settings ⇨ 20.

Locking

Radio remote control

Close doors, load compartment and fuel filler flap.



Press button .

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 load compartment and fuel filler flap.



Press the  button to lock.

Press the  button to unlock.

When the key is in the ignition lock, locking is only possible if all doors are closed.

Fault in radio remote control system 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 all doors, load compartment and fuel filler flap. To deactivate the anti-theft locking system, switch on the ignition.

Locking

Switch on the ignition and press the central locking button  to lock the doors, load compartment and fuel

filler flap. Then close the driver's door and lock it from the outside with the key.

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 using the interior handle twice. The fuel filler flap cannot be opened. To deactivate the anti-theft locking system, switch on the ignition ➤ 24.

Locking

Push down the locking pins of all doors except the 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

Automatic locking after driving off

This security feature can be configured to automatically lock all doors, load compartment and fuel filler flap as soon as the vehicle starts to drive.

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

All doors, load compartment and fuel filler flap will be unlocked automatically if any of following occurs:

- For automatic transmission, when the selector lever is in P after driving.
- For manual transmission, when the key is removed from the ignition switch after driving.

Caution

Do not unlock the door while driving. If a passenger opens the door by accident, it can result in serious injury or death in case of an unexpected accident.

If the door is unlocked manually, lock it again using the door lock button for safety.

The settings can be stored by the key being used ➔ 20.

Child locks**Warning**

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

Caution

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

Using a key or suitable screwdriver, turn the child locks in the rear doors into horizontal position. Doors cannot be opened from inside. For deactivation turn the child locks into vertical position.

Doors**Load compartment****Opening**

Push the button under the tailgate moulding.

Warning

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

Caution

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

Note

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

Closing

Do not press the button under the moulding while closing as this will unlock it again.

Vehicle security

Anti-theft locking system

⚠ Warning

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

The system deadlocks all the doors. All doors must be closed or the system cannot be activated.

If the ignition was on, the driver's door must be opened and closed once so that the vehicle can be secured.

Unlocking the vehicle disables the mechanical anti-theft locking system. This is not possible with the central locking button.

Activating



Press  on the radio remote control twice within 15 seconds.

Anti-theft alarm system

Anti theft alarm system monitors:

- Doors, tailgate, bonnet
- Passenger compartment including adjoining load compartment
- Vehicle inclination, e.g. if it is raised
- Ignition

Activation

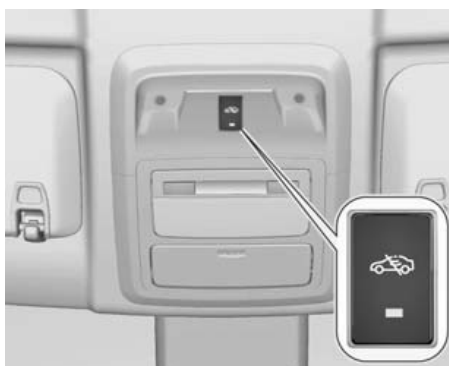


- Self-activated 30 seconds after locking the vehicle (initialisation of the system), or
- Radio remote control: directly by pressing  once more after locking

Note

Changes to the vehicle interior such as the use of seat covers, and open windows or sunroof, could impair the function of passenger compartment monitoring.

Activation without monitoring of passenger compartment and vehicle inclination



Switch off the monitoring of passenger compartment and vehicle inclination when animals are being left in the vehicle, because of high volume ultrasonic signals or movements triggering the alarm. Also switch off when the vehicle is on a ferry or train.

1. Close tailgate, bonnet, windows and sunroof.
2. Press button . LED in the button  illuminates.

3. Close doors.
4. Activate the anti-theft alarm system.

Status LED



The status LED is integrated in the sensor on top of the instrument panel.

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

LED illuminates	= test, arming delay.
LED flashes quickly	= doors, tailgate or bonnet not completely closed, or system fault.

26 Keys, doors and windows

Status after system is armed:

LED flashes  = system is armed.
slowly

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

Deactivation



Unlocking the vehicle by pressing button  or pulling the door handle deactivates anti-theft alarm system.

Alarm

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

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

Immobiliser

The system is integrated into the ignition switch and checks whether the vehicle is allowed to start with the key being used. If the transponder in the key is recognised, the vehicle can be started.

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

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

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

Note

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system  20,  24.

Control indicator   26.

Exterior mirrors

Convex shape

The convex exterior mirror 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



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.

Electric folding



Turn control to 0, then push the control down. Both exterior mirrors will fold.

Push the control down again - both exterior mirrors return to their original position.

If an electrically retracted mirror is manually extended, pressing down the adjuster will only electrically extend the other mirror.

⚠ Warning

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

Heated



Operated by pressing the  button.

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

Interior mirrors

Manual anti-dazzle



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

Child observation mirror



Press to unfold the child observation mirror.

Automatic anti-dazzle



Dazzle from following vehicles at night is automatically reduced.

Windows

Manual windows

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

Power windows

Warning

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

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

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

Power windows can be operated

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

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



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

Operation

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

Pushing or pulling firmly to the second detent and then releasing: window moves down or up automatically.

30 Keys, doors and windows

To stop movement, operate the switch once more in the same direction.

Child safety system for rear windows



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

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), activate the window electronics as follows:

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

Heated rear window



Operated by pressing the  button.

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

Caution

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

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

Sun visors

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

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

Roof

Sunroof

⚠ Warning

Take care when operating the sun roof. Risk of injury, particularly to children.

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

Sun roof can be operated

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

After switching off the ignition, sun roof operation is disabled when a front door is opened.



Open or close

Press or gently to the first detent: sunroof is opened or closed as long as the switch is operated.

Press or firmly to the second detent and then release: the sunroof is opened or closed automatically with enabled safety function. To stop movement, operate the switch once more.

Raise or close

Press or : sunroof is raised or closed automatically.

Sunblind

The sunblind is manual operated.

Close or open the sunblind by sliding. When the sun roof is open, the sunblind is always open.

General hints

Safety function

If the sun roof encounters resistance 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, hold the switch pressed until the sunroof is closed.

Initialising of the roof

If the sunroof cannot be operated (e.g. after disconnecting the vehicle battery), activate the sunroof electronics as follows:

- If sunroof is closed, press the switch gently to the first detent for 10 seconds.

32 Keys, doors and windows

- If sunroof is open, keep the switch  pressed until sunroof is fully closed. Then release switch briefly and press it again gently to the first detent for 10 seconds.

Relearning of safety function

If the sunroof does not close correctly after initialising:

1. Open sunroof fully by pressing switch .
2. Release switch and then press switch  again gently to the first detent for approx. 30 seconds. Then close sunroof by pressing switch  until the sunroof is fully closed.

Seats, restraints

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Head restraints

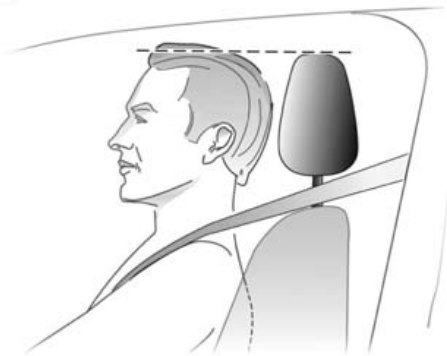
Position

 **Warning**

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

Removed or improperly adjusted head restraints can result in serious head and neck injuries in case of a collision.

Make sure that the head restraint are readjusted before driving.



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

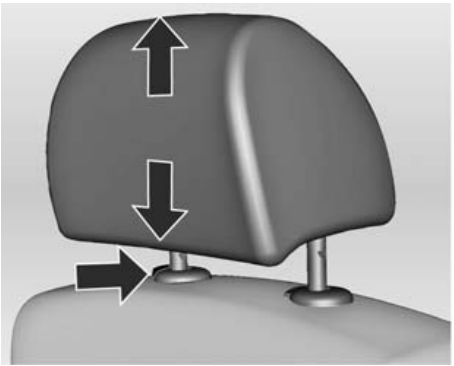
This is not possible for head restraints on third row seats.

Head restraints on front seats

There are two different types of front seat-head restraints, depending on the vehicle equipment:

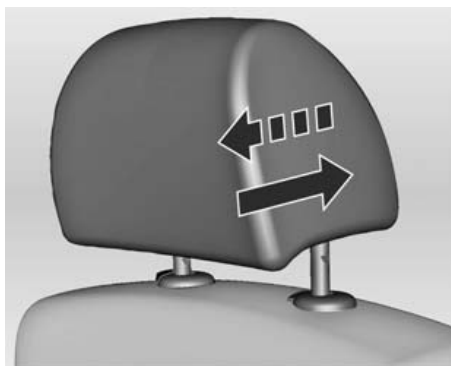
- Adjustment in height and distance
- Adjustment in height only

Height adjustment



Pull the head restraint upwards.
To move down press the catch and push the head restraint downwards.

Distance adjustment



Pull the head restraint forward, it engages in several positions.
To automatically bring into rear position, pull head restraint close forward.

Head restraints on second row seats

Height adjustment



Pull the head restraint upwards.
To move down press the catch and push the head restraint downwards.

Removing

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

Head restraints on third row seats

Folding head restraints up



Push head restraints backwards until it audibly engages.

⚠ Warning

If a seat is occupied, the respective head restraint has to be folded up.

Front seats

Seat position

⚠ Warning

Only drive with the seat correctly adjusted.



18532 T

- 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 your shoulders as far back against the backrest as possible. Set the backrest rake so that you can easily reach the steering wheel with your arms slightly bent. Maintain contact between your shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25 °.
- Adjust the steering wheel ⇨ 61.
- 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 your head and the headlining. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint ⇨ 33.
- Adjust the height of the seat belt ⇨ 43.

Seat adjustment

⚠ Danger

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

⚠ Warning

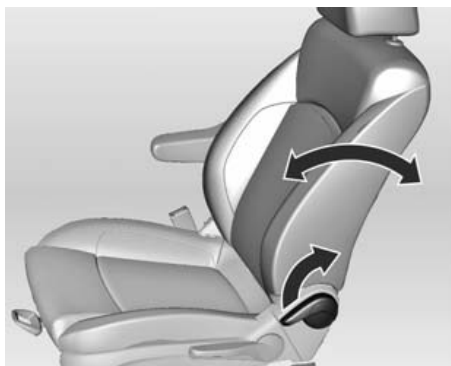
Never adjust seats while driving as they could move uncontrollably.

Length seat positioning



Pull handle, slide seat, release handle.

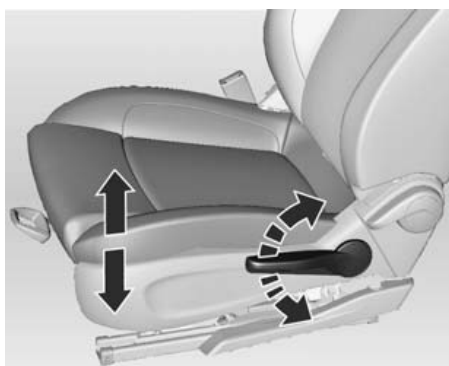
Seat backrest inclination



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

Do not lean on seat when adjusting.

Seat height



Lever pumping motion

up = higher
down = lower

Armrest

Armrest on driver seat



The armrest can be moved up and down.

After the armrest is folded down, it can be adjusted upwards in 4 steps.

Heating



Press  button to activate seat heating.

There are three heating levels which can be set by pressing the  button one or more times with ignition on.

Press  button once = heat level 1

Press  button twice = heat level 2

Press  button three times = heat level 3

Press  button four times = off

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.

Rear seats

Armrest

Armrest on second row seats



Unfold armrest down by pulling the strap. The folded armrest contains drink holders. Cupholders ➔ 56

⚠ Warning

Use caution when using the drink holders. A spilled beverage that is very hot can injure you or your passengers. Spilled liquids can damage interior trim and electrical components.

Do not place objects other than cups or cans in the drink holder. These objects can be thrown out in the event of a sudden stop or an accident, possibly injuring the passengers in the vehicle.

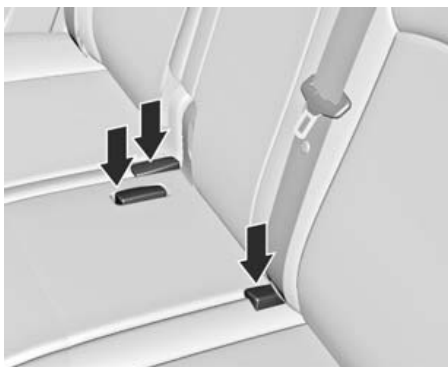
Second row seats

⚠ Warning

When the row of seats or the backrests are being adjusted, keep hands away from the hinge area.

Folding down seats

Slide head restraints down ⇨ 33.



Place seat belts in seat pockets.



Pull up release lever completely, then fold down the seat backrest.



Then the seat will be raised up automatically. In case the seat does not lift completely, raise the seat up to tumbled position.

This position is intended as easy entry function for passengers sitting in the third seat row.

Caution

Never fold the seat backrest when the rear centre seat belt is buckled or pulled out.



If just the seat backrest shall be folded down, push seat downwards until it engages.

⚠ Warning

Make sure that the seat is fully engaged to the floor.

Folding up seat backrests

Move backrest to a vertical position until it engages.

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

Seat backrest inclination

Pull lever, adjust inclination and release lever. Allow the seat backrest to engage by releasing the lever.

Do not lean on seat while adjusting.

Third row seats**⚠ Warning**

When the seats are being set up or folded, keep hands away from hinge area.

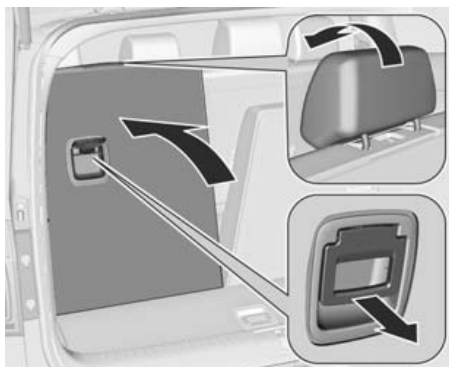
Folding down seats

Caution

Never fold the seat backrest when the rear centre seat belt is buckled or pulled out.



Guide the seat belts through the belt holders to ensure that the third row seats do not get stuck during stowing of the seats.



From the load compartment, pull the handle and the headrest will be automatically folded down. Fold the seat back down until it is lowered into the vehicle floor.

Folding up seats

⚠ Warning

Occupants may only travel on a seat if its backrest is properly engaged in the upright position.

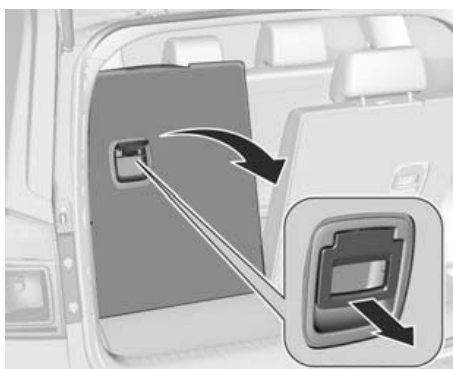
A label on the lower side of the second row seats shows the proper sitting position.



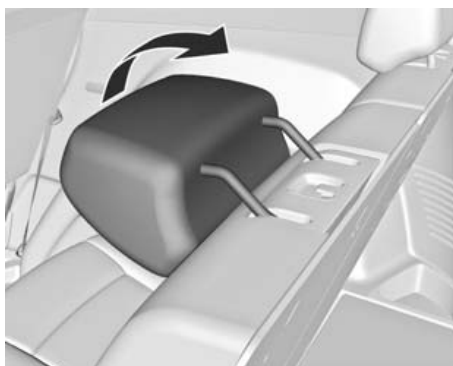
Guide the seat belts through the belt holders, to ensure that the third row seats do not get stuck during setting up.

⚠ Warning

The belt must not be routed through the belt holder when the seat belt is being applied.



From the load compartment, pull the handle and pull up the seat until it audibly engages.



Push head restraint backwards until it audibly engages.

⚠ Warning

If a seat is occupied, the respective head restraint has to be folded up.

Seat belts

Seat belt reminder for driver's seat, seat belt control indicator  73.



18533 T

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

⚠ Warning

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

Seat belts are only designed for use by one person at a time. They are not suitable for persons younger than 12 years of age or smaller than 150 cm.

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

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

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.

Belt force limiters

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

Belt tensioners



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 or belt buckles) can trigger the belt tensioners with risk of injury.

Deployment of the belt tensioners is indicated by illumination of control indicator  73.

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

Note

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

Three-point seat belt

Fitting



Withdraw belt from reel, guide it untwisted across the body and engage the latch plate in the buckle. Tension the lap belt regularly whilst driving by tugging the shoulder belt.



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 any objects in the pockets of your clothing.

Height adjustment



1. Pull belt out slightly.
2. Press button.
3. Adjust height and engage.

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

Do not adjust while driving.

Removing



30054

To release belt, press red button on belt buckle.

Seat belts on the third row seats



When not in use, guide the seat belt through the belt holder.

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

⚠ Warning

If handled improperly the airbag systems can be triggered in an explosive manner.

The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates.

For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts to minimize the risk of severe injury or death in the event of a crash. Do not sit or lean unnecessarily close to the airbag while the vehicle is in motion.

The air bag may cause facial or body scratch, injury by broken glasses or getting a burn by explosion while air bag is deployed.

Note

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

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

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

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

Having the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats removed by a workshop.

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

⚠ Warning

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

Caution

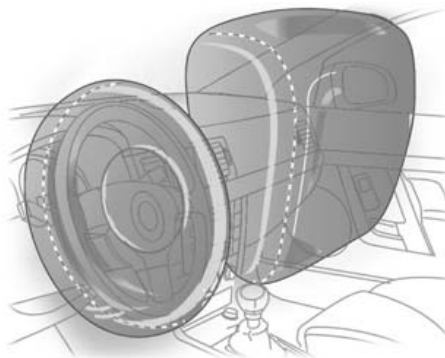
If the vehicle is impacted by bumps or objects on unpaved roads or sidewalks, the air bag may inflate. Drive slowly on the surfaces not designed for vehicle traffic to prevent unintended air bag deployment.

Control indicator  for airbag systems  73.

Front airbag system

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

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



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

⚠ Warning

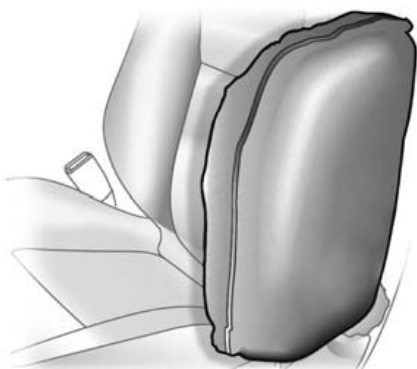
Optimum protection is only provided when the seat is in the proper position  35.
Keep the area in which the airbag inflates clear of obstructions.
Wear the seat belt properly fastened. Only then the airbag is able to protect.

Side airbag system



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 an accident of a certain severity. The ignition must be on.



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

⚠ Warning

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

Note

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

⚠ Warning

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

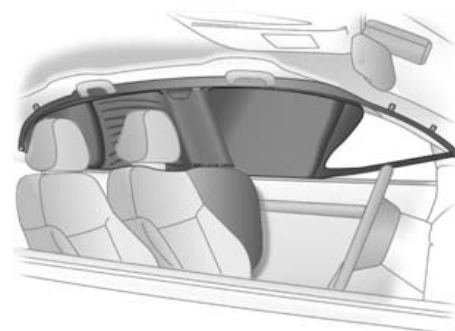
Never let your child lean on the door or close to the side airbag module.

Curtain airbag system



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 an accident of a certain severity. The ignition must be on.



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

⚠ Warning

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

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

Airbag deactivation

The front passenger airbag system has to be deactivated if a child restraint system is to be fitted on this seat. The side airbag and curtain airbag systems and all driver airbag systems will remain active.



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

Use the ignition key to choose the position:

-  = front passenger airbag is deactivated and will not inflate in the event of a collision. Control indicator  illuminates continuously in the centre console. A child restraint system can be installed in accordance with the chart **Child restraint installation locations** ⇨ 51. No adult person is allowed to occupy the front passenger seat.
-  = front passenger airbag is active. A child restraint system must not be installed.

⚠ Danger

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

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



Status remains until the next change.

Control indicator for airbag deactivation ➔ 73.

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

If both control indicators are illuminated at the same time, there is a system failure. The status of the system is not discernible, therefore no person is allowed to occupy the front passenger seat. Contact a workshop immediately.

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

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

Child restraints

Child restraint systems

We recommend the GM child restraint system which is tailored specifically to the vehicle.

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

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

⚠ Warning

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

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

Selecting the right system

The outer seats of the second seat row are the most convenient location to fasten a child restraint system.

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

Children under the age of 12 years that are smaller than 150 cm are only allowed to travel in a restraint system that is suitable for the child. Use

suitable restraint systems that comply with ECE 44-03 or ECE 44-04. Since a proper position of the belt is rarely possible with a child that is smaller than 150 cm, we strongly advise the use of an appropriate child restraint system, even though this might, due to the age of the child, no longer be legally binding.

Never carry a child 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 outboard seats in the second row	On centre seat in the second row	On the seats in the third row
	activated airbag	deactivated airbag			
Group 0: up to 10 kg or approx. 10 months	X	U ¹	U ²	x	U
Group 0+: up to 13 kg or approx. 2 years	X	U ¹	U ²	X	U
Group I: 9 to 18 kg or approx. 8 months to 4 years	X	U ¹	U ²	X	U
Group II: 15 to 25 kg or approx. 3 to 7 years	X	X	U	X	U
Group III: 22 to 36 kg or approx. 6 to 12 years	X	X	U	X	U

¹ = Only if front passenger seat airbag systems are deactivated. If the child restraint system is being secured using a three-point seat belt, move seat height adjustment to uppermost position and ensure that vehicle safety belt runs forwards from the upper anchorage point.

² = Seat available with ISOFIX and Top-Tether mounting brackets.

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

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

52 Seats, restraints

Permissible options for fitting an ISOFIX child restraint system

Weight class	Size class	Fixture	On front passenger seat	On outboard seats in the second row	On centre seat in the second row	On the seats in the third row
Group 0: up to 10 kg	E	ISO/R1	X	IL ¹	X	X
Group 0+: up to 13 kg	E	ISO/R1	X	IL ¹	X	X
	D	ISO/R2	X	IL ¹	X	X
	C	ISO/R3	X	IL ¹	X	X
Group I: 9 to 18 kg	D	ISO/R2	X	IL ¹	X	X
	C	ISO/R3	X	IL ¹	X	X
	B	ISO/F2	X	IL, IUF	X	X
	B1	ISO/F2X	X	IL, IUF	X	X
	A	ISO/F3	X	IL, IUF	X	X

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

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

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

¹ = Move front seat to most forward position or move forward until child restraint system does not have any interference with front seat backrest.

ISOFIX size class and seat device

- A – ISO/F3 = Forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg.
- B – ISO/F2 = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
- B1 – ISO/F2X = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
- C – ISO/R3 = Rear-facing child restraint system for children of maximum size in the weight class up to 13 kg.
- D – ISO/R2 = Rear-facing child restraint system for smaller children in the weight class up to 13 kg.
- E – ISO/R1 = Rear-facing child restraint system for young children in the weight class up to 13 kg.

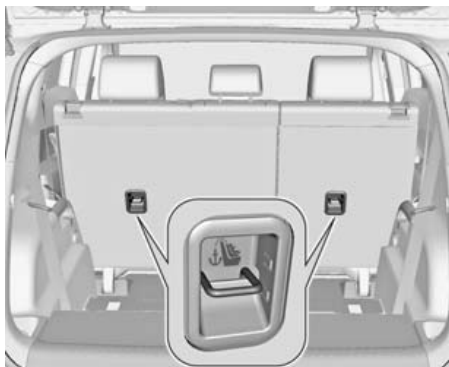
Isofix child restraint systems



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

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

Top-tether child restraint systems



Fasten Top-tether child restraint systems to the fastening eyes of the second row seats. The strap must run between the two guide rods of the head restraint.

When using Top-tether for seat mounting, universally approved child restraint systems for Top-Tether may be used.

Top-tether mounting loops are indicated by labels on the load compartment cover.

Storage

Storage compartments	55
Load compartment	57
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Storage compartments

Instrument panel storage

Storage behind the faceplate



Push the button upwards to lift up the cover.

Only store small items in the compartment.

The AUX input and the USB port are located in the storage compartment.

AUX input ⇨ 128, USB port ⇨ 129.

Storage below the light switch



Pull the handle to open the box.

Glovebox



To open pull the handle.

The glovebox is lockable with the vehicle key.

Warning

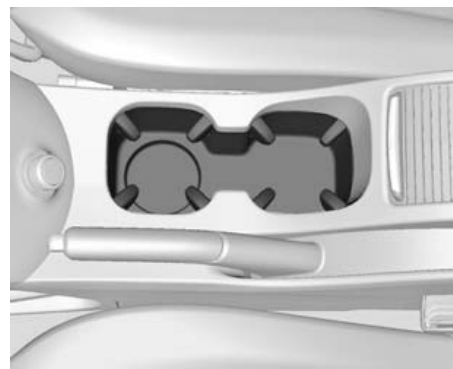
To reduce the risk of injury in an accident or a sudden stop, always keep the glovebox door closed while driving.

Cupholders

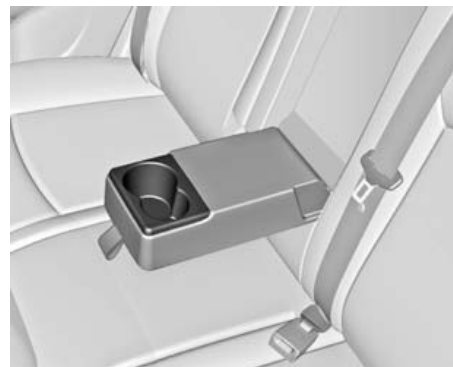
Warning

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

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



Cupholders are located in the centre console.



Additional cupholders are located in the rear armrest, when it is folded down.

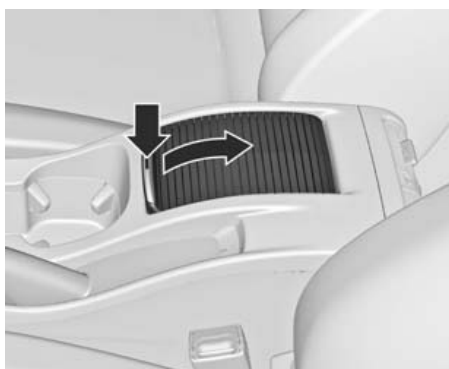
Sunglasses storage



Fold down to open.

Do not use for storing heavy objects.

Centre console storage



Gently press down the handle and slide cover backwards.

Load compartment

Lashing eyes

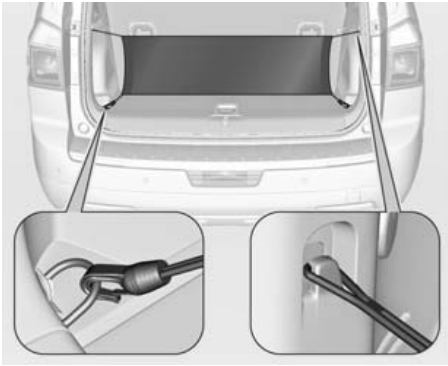


The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or convenience net.

The seat belts in the third seat row must never be used for securing loads.

Convenience net

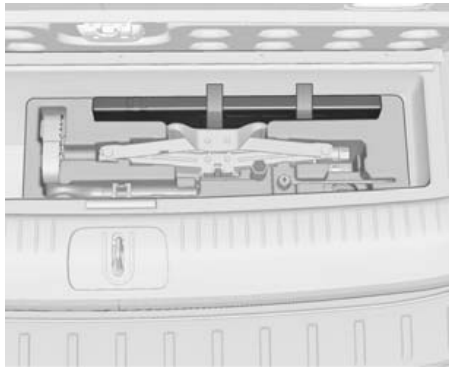
You can carry small loads with your optional convenience net.



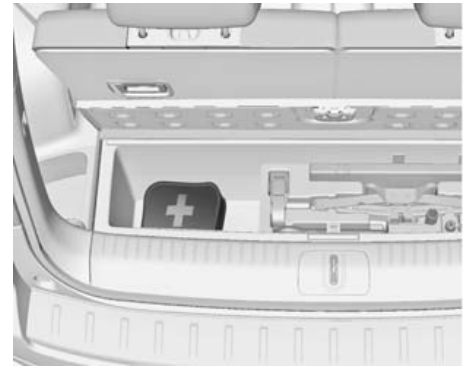
To install the net, hang loops in the anchors of the back panel and fix hooks in the lashing eyes on the load compartment floor.

Caution

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

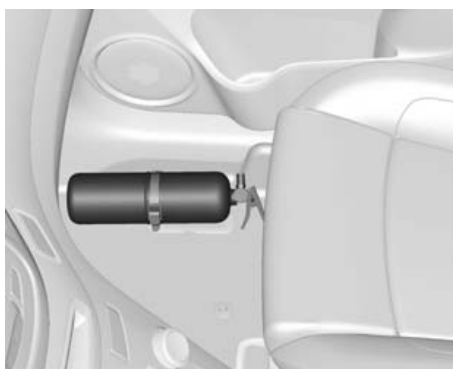
Warning triangle

Stow the warning triangle in the storage compartment below the floor cover in the load compartment.

First aid kit

Stow the first aid kit in a storage compartment below the floor cover in the load compartment.

Fire extinguisher



The fire extinguisher is located in the foot well in front of the passenger seat.

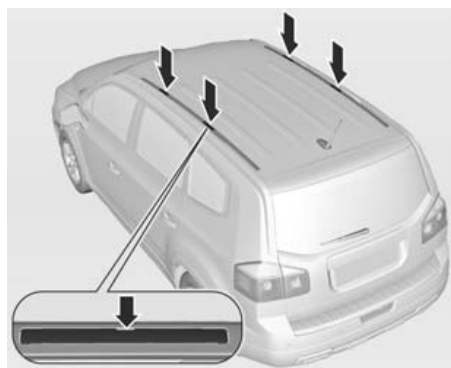
Roof rack system

Roof rack

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended.

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

Lift the covers from the fitting openings.



Fasten the roof rack at the fastening points.

Loading information



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

60 Storage

- 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, do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
- The payload is the difference between the permitted gross vehicle weight (see identification plate ↗ 245) and the kerb weight.
To calculate the kerb weight, enter the data for your vehicle in the Weights table, on page ↗ 3.
The kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full).

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.

Instruments and controls

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Trip computer	81
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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.

Caution

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

Steering wheel controls



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

Further information in the infotainment system manual.

Horn



Press .

Windscreen wiper/washer

Windscreen wiper



- 2** = fast
- 1** = slow
-  = timed interval wiping or rain sensor
- O** = off

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

Do not use if the windscreen is frozen.

Switch off in car washes.

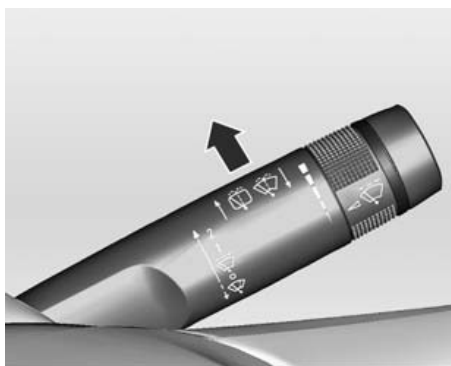
Adjustable wiper interval



Wiper lever in position .

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

 = 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.

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

Caution

Switch off the windscreen wiper and automatic operation with rain sensor in car washes.



Keep the sensor free from dust, dirt and ice.

If you move the wiper to rain sensor mode or turn the adjuster wheel from low sensitivity to high sensitivity when the ignition is switched on, the windscreen wipers operate once to check the system.

Windscreen washer



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

Caution

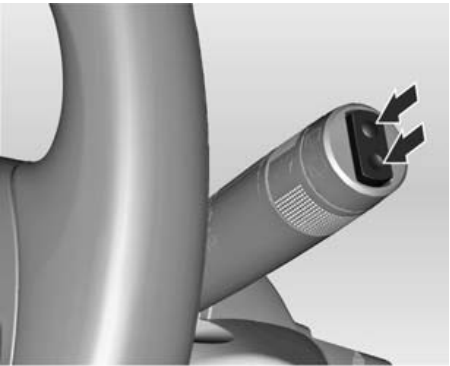
Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.

Do not operate the windscreen wipers when the windscreen is dry or obstructed, as with snow or ice. Using the wipers on an obstructed windscreen can damage the wiper blades, wiper motor, and glass.

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

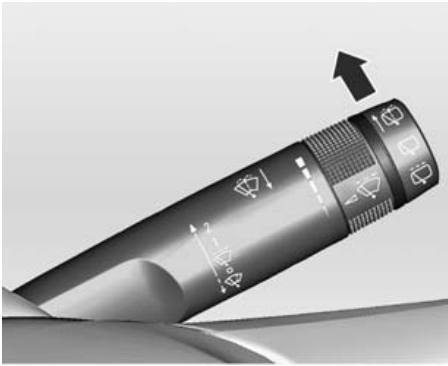
Do not operate the windscreen washer continuously for more than some seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat resulting in costly repairs.

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.

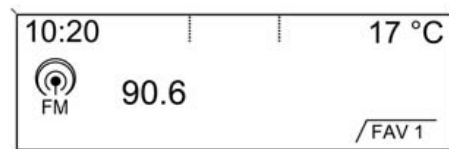
Do not use if the rear window is frozen.

Switch off in car washes.

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

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

Outside temperature



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

⚠ Warning

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

Clock

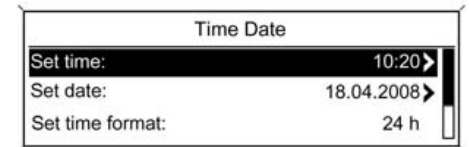
Date and time are shown in the Info-Display.

Set date and time

Press the **CONFIG** button. The menu **Settings** is displayed.

Select **Time Date**.

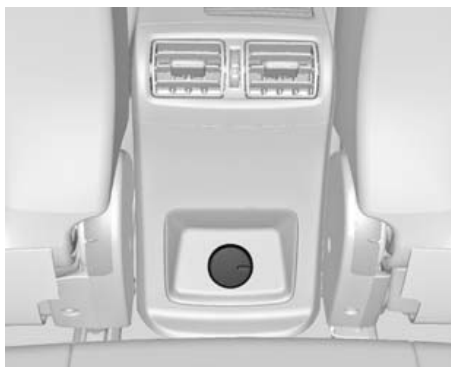
Vehicle personalisation ↻ 82.



Settings for time and date can be adjusted.

See Infotainment manual for further information.

Power outlets



12V power outlets are located in the rear floor console and in the load compartment on the left side.



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 case of low battery voltage.

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

Do not damage the sockets by using unsuitable plugs.

Cigarette lighter



The cigarette lighter is located in the front floor console.

Press in cigarette lighter. It switches off automatically once the element is glowing. Pull out lighter.

⚠ Warning

If you leave the vehicle with an inflammable explosive substance, such as a disposable lighter, inside the car in summer, it can explode and cause fire due to an increase of temperature in the passenger compartment and the load compartment. Please ensure that no inflammable explosive substances are left or kept inside the car.

Caution

Overheating the cigarette lighter can damage the heating element and the lighter itself.
Do not hold the lighter in while it is heating. This can cause the lighter to overheat.

Caution

The barrel of an operating cigarette lighter can become very hot.
Do not touch the barrel of the cigarette lighter and do not allow children to operate or play with the cigarette lighter.
The hot metal can cause personal injuries and damage to your vehicle or other property.

Caution

The cigarette socket should only be used with the cigarette lighter. If other 12 V power adapters are installed into the cigarette socket, fuse failure or a potential thermal incident may occur. The 12 V power outlet located at the rear of the console should be used when powering aftermarket devices such as navigation systems or phone chargers.

Ashtrays**Caution**

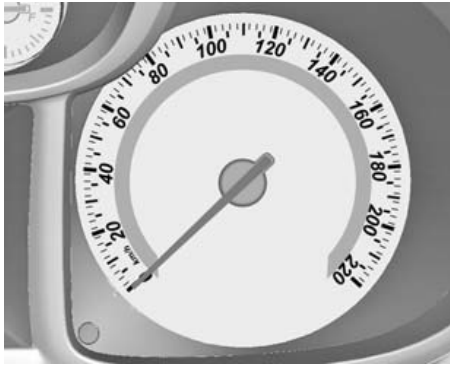
To be used only for ash and not for combustible rubbish.



The portable ashtray can be placed in the cupholders.
Open cover to use.

Warning lights, gauges and indicators

Speedometer



Indicates vehicle speed.

The over speed warning chime will sound one time to alert the driver to reduce the vehicle speed as soon as it is more than 120 km/h.

Odometer



The bottom line displays the recorded distance.

Trip odometer

The top line displays the recorded distance since the last reset.

When kilometres are selected as unit in the **Vehicle Information Menu**, the maximum value is **1999.9**. When the recorded distance reaches **2000**, trip odometer automatically shows **0** without resetting.

When miles are selected as unit in the **Vehicle Information Menu**, the maximum value is **1241**. When the recorded distance reaches **1242**, trip odometer automatically shows **0** without resetting.

Tachometer

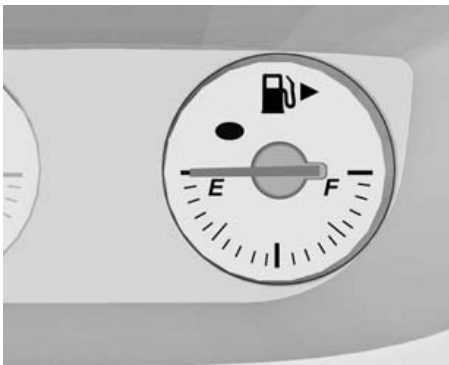


Displays the engine revolutions per minute.

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

Caution

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

Fuel gauge

Displays the fuel level in the tank.
Control indicator ● illuminates if the level in the tank is low. Refuel immediately.
Never run the tank dry.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.

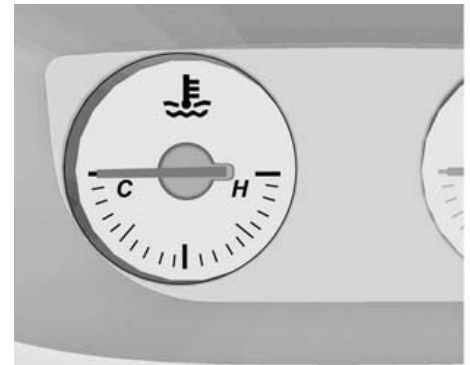
The arrow ► near the symbol  indicates that the fuel filler flap is on the right side of the vehicle.

Note

Before refuelling, make sure that the ignition is switched off.

If you operate the ignition switch whilst refuelling, the needle of the fuel gauge may not indicate the proper fuel level.

On inclines the needle on the fuel gauge may not indicate the proper fuel level due to movements of the fuel in the fuel tank.

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.

Service display**Engine oil life system for diesel engines****When to change engine oil**

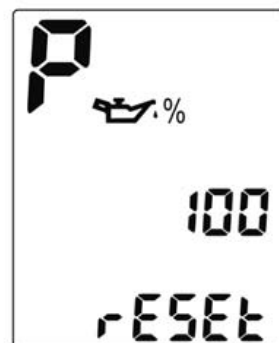
This vehicle has a computer system that indicates when to change the engine oil and filter. This is based on engine revolutions and engine temperature, and not on mileage. Based on driving conditions, the mileage at which an oil change is indicated can vary considerably.

For the oil life system to work properly, the system must be reset every time the oil is changed. When the system has calculated that oil life has been diminished, it indicates that an oil change is necessary. **CodE 82**

appears in the Driver Information Centre. Change the oil as soon as possible within the next 1000 km.

It is possible that, if driving under the best conditions, the oil life system might indicate that an oil change is not necessary for up to a year. The engine oil and filter must be changed at least once a year and, at this time, the system must be reset. Your dealer has trained service people who can perform this work and reset the system.

It is also important to check the oil level on a regular basis and top up if necessary. If the system is ever reset accidentally, the oil must be changed at 5000 km since the last oil change. Remember to reset the oil life system whenever the oil is changed.

Display of remaining engine oil life

The remaining engine oil life duration is displayed in the Driver Information Centre by the control indicator , followed by a percent value which shows the remaining engine oil life. For this purpose the ignition has to be switched on without engine running.

Driver Information Centre ⇨ 78.

Service Information ⇨ 236.

How to reset the engine oil life system

Reset the system whenever the engine oil is changed so that the system can calculate the next engine oil change. To reset the engine oil life system, do one of the following:

- Using a scan tool:
Your workshop will reset the system using this tool after changing the engine oil.
- Using accelerator pedal:
 - ◆ Remove key from ignition switch for more than one minute.
 - ◆ Insert key in ignition switch and turn key to position 2 (ignition on with the engine off).
 - ◆ Fully press the accelerator pedal and hold for two seconds.
 - ◆ Release the accelerator pedal for two seconds.
 - ◆ Repeat pressing and releasing of the accelerator pedal as described above two times within one minute.
- Using the **SET/CLR** button on vehicles with Midlevel-Display:

Press the **MENU** button on the turn signal lever to select the **Vehicle Information Menu**. Turn the adjuster wheel until the menu with the remaining engine oil life duration is displayed. Press **SET/CLR** button for a few seconds with ignition on. If **Code 82** still appears in the Driver Information Centre after the vehicle has been started, the engine oil life system has not been reset. Repeat the procedure.

- Using the reset button on vehicles with Baselevel-Display:



Press reset button for about 5 seconds until the remaining engine oil life is displayed. Release

the reset button and press again for a few seconds to reset the engine oil life system.

Control indicators

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

The control indicator colours mean:

red	= danger, important reminder
yellow	= warning, information, fault
green	= confirmation of activation
blue	= confirmation of activation
white	= confirmation of activation

Instruments and controls

Control indicators in the instrument



Control indicators in the centre console



Turn signal

↔ illuminates or flashes green.

Flashes

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

Fast flashing: failure of a turn signal light or associated fuse.

Bulb replacement ↗ 207. Fuses ↗ 213.

Turn signals ↗ 86.

Seat belt reminder

⚠ for driver's seat illuminates or flashes red.

Illuminated

After the ignition is switched on until the seat belt is fastened.

Flashes

After starting off until the seat belt is fastened.

Fastening the seat belt ↗ 43.

Airbag and belt tensioners

⚠ illuminates red.

When the ignition is switched on, the control indicator illuminates for about 4 seconds. If it does not illuminate, does not go out after 4 seconds or illuminates whilst driving, there is a fault in the belt tensioner or in the airbag system. The systems may fail to trigger in the event of an accident.

Deployment of the belt tensioners or airbags is indicated by continuous illumination of ⚠.

⚠ Warning

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

Airbag system, belt tensioners ↗ 45, ↗ 41.

Airbag deactivation

⚠ illuminates yellow.

The front passenger airbag is activated.

⚠ illuminates yellow.

The front passenger airbag is deactivated ↗ 48.

⚠ Danger

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

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

Charging system

 illuminates or flashes red.

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

Illuminates when the engine is running

Stop, switch off engine. Battery is not charging. Engine cooling may be interrupted. In diesel engines, power to the brake servo unit may be cut. Seek the assistance of a workshop.

Flashes

When key is in position **1** for more than 15 seconds, the control indicator flashes and vehicle enters battery-saving mode.

Malfunction indicator light

 illuminates or flashes yellow.

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

Service vehicle soon

 illuminates yellow when the vehicle needs a service.

It illuminates in combination with a warning code.

Vehicle messages ⇨ 79.

Brake and clutch system

 illuminates red.

Illuminates when the parking brake is released if the brake/clutch fluid level is too low or if there is a brake system fault ⇨ 205.

⚠ Warning

If the brake system warning lamp illuminates, check the brake fluid level and contact a workshop immediately.

If the brake fluid level in the reservoir is low, do not drive the vehicle.

This may mean your brakes are not working properly. Driving with malfunctioning brakes can cause personal injuries and damage to your vehicle and other property.

Illuminates after the ignition is switched on if the manual parking brake is applied ⇨ 189.

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 goes out.

If the control indicator does not go out after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

Antilock brake system ⇨ 188.

Upshift

 illuminates green.

Upshifting is recommended for fuel saving.

Power steering

 illuminates yellow.

Illuminates with power steering reduced

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

Illuminates with power steering disabled

Failure in the power steering system. Consult a workshop.

Illuminates after interruption of power supply

The steering angle sensor must be calibrated to make the power steering system operational.

- For automatic calibration drive in straight line at constant slow speed.
- If the control indicator remains illuminated, turn the steering wheel from limit position to limit position for manual calibration.

The control indicator goes out when the system is operational again.

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 ultra sound. Once the source of interference is removed, the system will operate normally.

Have the cause of the fault in the system remedied by a workshop.

Ultrasonic parking sensors ⇨ 193.

Electronic Stability Control off

 illuminates yellow.

Illuminates when 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 workshop.

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 ↗ 190,
Traction control system ↗ 190.

Traction Control system off

 illuminates yellow.

Illuminates when the system is deactivated.

Preheating

 illuminates yellow.

Illuminates when preheating is activated. Only activates when outside temperature is low.

Starting the engine ↗ 182.

Diesel particle filter

 illuminates or flashes yellow, if the Diesel particle filter requires cleaning or previous driving conditions did not permit automatic cleaning.

Continue driving and if possible do not allow engine speed to drop below 2000 rpm.

The indicator  will go off as soon as the self-cleaning operation is complete.

If the engine is shut off while this indicator is on or flashing, increased fuel consumption and a reduction in engine oil life will occur. Please note that the driver should continue the driving regeneration process above until the Diesel particle filter indicator goes off.

For more information, refer to the DPF hanger inside the vehicle.

Diesel particle filter ↗ 183.

Engine oil pressure

 illuminates red.

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

Illuminates when the engine is running

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

1. Manual transmission: depress clutch.
2. Select neutral gear, automatic transmission: 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.

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

Check oil level before seeking assistance of a workshop ⇨ 202.

Low fuel

● illuminates yellow.

Illuminates when level in fuel tank is too low.

Catalytic converter ⇨ 184.

Bleeding the diesel fuel system ⇨ 206.

Immobiliser

🔒 flashes yellow.

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

Apply footbrake

🚗 flashes yellow.

On vehicles with automatic transmission the engine can only be started if the brake pedal is pressed and the selector lever is in either **P** or **N** position ⇨ 185.

Exterior light

➡⇐ illuminates green.

Illuminated when the exterior lights are on ⇨ 84.

High beam

≡D illuminates blue.

Illuminated when high beam is on and during headlight flash ⇨ 85.

Fog light

ℰD illuminates green.

Illuminated when the front fog lights are on ⇨ 87.

Rear fog light

🚗 illuminates yellow.

Illuminated when the rear fog light is on ⇨ 87.

Rain sensor

🌧️ illuminates green.

Illuminated when automatic rain sensor is activated ⇨ 62.

Cruise control

🚗 illuminates white.

Illuminated when the system is on ⇨ 191.

Door open

🚗 illuminates red.

It illuminates when a door or the tailgate is open.

Information displays

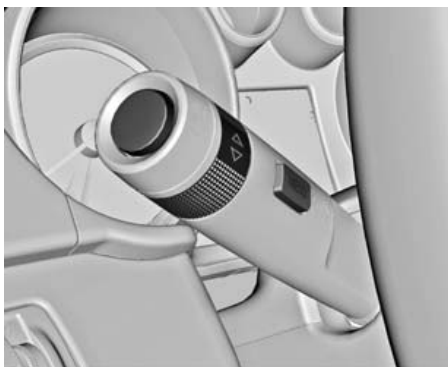
Driver Information Centre



The Driver Information Centre (DIC) is located in the instrument cluster and available as Baselevel-Display or Midlevel-Display.

Selecting functions

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



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

The **MENU** button will be locked when vehicle speed is above 0 km/h or the shift lever is NOT in position **P**.

The following menus can be selected:

- **Vehicle Information Menu**
- **Trip/Fuel Information Menu**

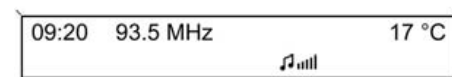
Turn the adjuster wheel to mark a menu option or to set a numeric value.

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

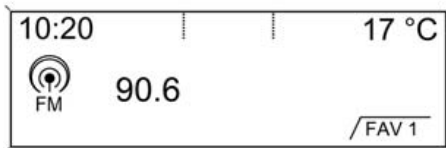
Vehicle personalisation ⇨ 82.

Trip computer ⇨ 81.

Graphic-Info-Display



Depending on the Infotainment system, the Graphic-Info-Display is available in two versions.



Display of time, outside temperature, date or Infotainment system (when it is on) and settings for vehicle personalisation.

Selecting functions

Functions and settings are accessed via the display.

Selections are made via:

- menus
- function buttons and multifunction knob of the Infotainment system

Selecting with the Infotainment system

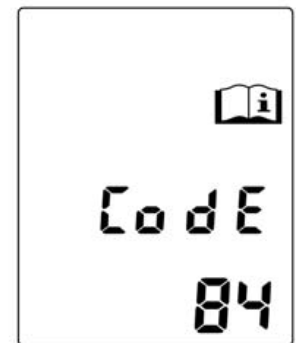


Select menu items via the menus and using the Infotainment system buttons. The multifunction knob is used to select an item and confirm. To exit a menu, press **BACK**.

Vehicle messages

Messages are given via the Driver Information Centre (DIC), the Info-Display or as warning and signal buzzers. Confirm warning messages with the multifunction knob.

The vehicle or engine may be seriously damaged if you keep driving while a vehicle message in the DIC is coming on. Contact a workshop service immediately.



The vehicle messages are displayed as code numbers.

80 Instruments and controls

No. Vehicle message

- 2 No radio remote control detected, depress clutch pedal for a restart
- 5 Steering column is locked
- 7 Turn steering wheel, switch ignition off and then on
- 9 Turn steering wheel, start engine again
- 25 Left front turn indicator failure
- 26 Left rear turn indicator failure
- 27 Right front turn indicator failure
- 28 Right rear turn indicator failure
- 35 Replace battery in radio remote control
- 54 Water in diesel fuel filter
- 55 Drive more than 15 minutes to regenerate the Diesel particle filter (DPF)
- 67 Service steering column lock
- 68 Service power steering

No. Vehicle message

- 75 Service air conditioner
- 79 Top up engine oil
- 82 Change engine oil soon
- 84 Engine power is reduced
- 92 No remote detected, press brake to restart
- 94 Shift to park
- 95 Service airbag

Warning chimes

When starting the engine or whilst driving

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

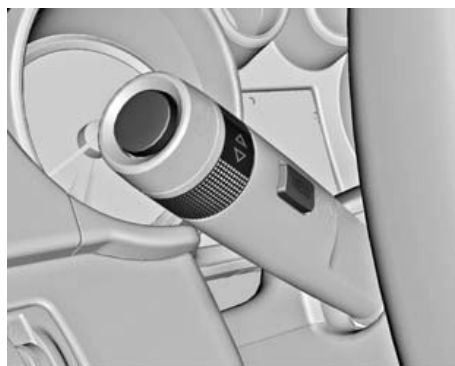
- If the parking assist detects an object.
- If the vehicle speed exceeds 120 km/h.

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

- Until the engine starts with the key in the ignition switch.
- With exterior lights on.

Trip computer

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



Press the **MENU** button to select the **Trip/Fuel Information Menu**.

Turn the adjuster wheel to select one of the submenus:

- Trip computer
- Average consumption
- Range
- Average speed
- Instantaneous consumption



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

Average consumption

Display of average consumption. The measurement can be reset at any time.

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

Range

Range is calculated from current fuel tank content and current consumption. The display shows average values.

After refuelling, the range is updated automatically after a brief delay.

When the fuel level in the tank is low, a message appears in the Driver Information Centre.

Additionally the control indicator ● in the fuel gauge illuminates.

Average speed

Display of average speed. The measurement can be reset at any time.

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

Instantaneous consumption

Display of the instantaneous consumption. At low speeds, consumption per hour is displayed.

Caution

The instantaneous and average consumption can vary according to the driving conditions, driving pattern or vehicle speed.

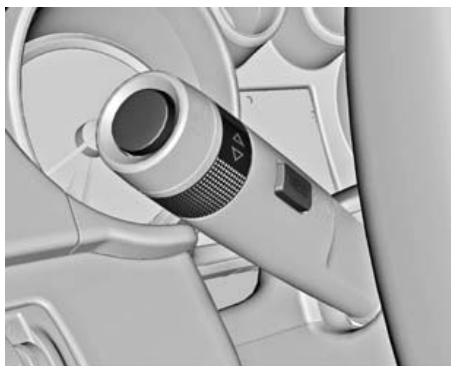
Vehicle personalisation

The vehicle's parameters can be personalised by changing the settings in the Driver Information Centre and in the Info-Display.

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

Settings in the Driver Information Centre

The **Unit** settings can be selected by the buttons on the turn signal lever.



Press the **MENU** button to select the menu **Unit**.



The **Unit** settings menu is displayed. Displayed units can be changed.

Press the **SET/CLR** button and turn the adjuster wheel to select one of the units.

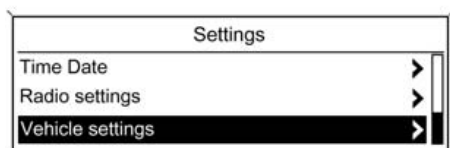
- **Unit1:** Great Britain
- **Unit2:** United States
- **Unit3:** Europe

Press the **SET/CLR** button to confirm.

Settings in the Info-Display



When audio is switched on, press the **CONFIG** button. The menu **Settings** is displayed.



The following settings can be selected by the **MENU** button:

- **Time Date**
- **Radio settings**
- **Vehicle settings**

In the corresponding submenus the following settings can be changed:

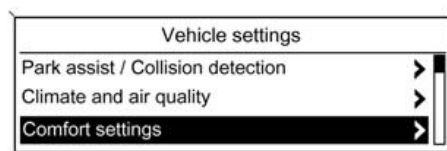
Time Date

See Clock ➔ 65 and Infotainment manual for further information.

Radio settings

See Infotainment manual for further information.

Vehicle settings



■ **Climate and air quality**

Auto fan speed: Modifies the fan speed high / medium / low.

Automatic air recirculation: Modifies AQS (Air Quality Sensor) sensitivity low / high.

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

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

■ **Comfort settings**

Chime volume: Change the volume of warning chimes.

■ **Park assist / Collision detection**

Park assist: Activate or deactivate the ultrasonic sensors.

■ **Exterior ambient lighting**

Exterior lighting by unlocking: Activate or deactivate the entry lighting.

Duration upon exit of vehicle: Activate or deactivate and change the duration of exit lighting.

■ **Power door locks**

Auto door lock: Activate or deactivate the automatic door locking function.

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

■ **Remote locking, unlocking, starting**

Remote lock feedback: Activate or deactivate the hazard warning light feedback whilst locking.

Driver door (all doors 2nd push): Change the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

Lighting

Exterior lighting 84
Interior lighting 88
Lighting features 89

Exterior lighting
Light switch



Turn light switch:
0 = Lights off
 = Side lights
 = Headlights
Control indicator  77.

Light switch with Automatic light control



Turn light switch:
AUTO = Automatic light control depending on external lighting conditions.
 = Activation or deactivation of the automatic light control. Switch turns back to **AUTO**.
 = Side lights
 = Headlights
When switching on ignition, automatic light control is always active.

When lights are on,  lights up.
Control indicator  77.

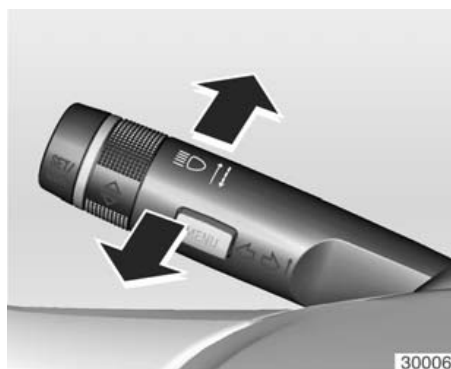
Automatic light control



Automatic light control function

When the automatic light control function is switched on and the engine is running, the headlights and tail lights switch on automatically in dependence of poor lighting conditions and furthermore if the windscreen wipers have been activated for several wipes.

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

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, load compartment laden and towing a caravan or trailer.

Headlights when driving abroad

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

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

Have the headlights adjusted by a workshop.

Hazard warning flashers



Operated with the  button.

Press again to turn the flashers off.

The hazard warning flashers activate automatically if the airbags deploy.

Turn and lane-change signals



lever up = right indicator
 lever down = left indicator

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

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

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

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

Front fog lights



Operated with the D button.

Rear fog lights



Operated with the D button.

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

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

Parking lights



When the vehicle is parked, the front and the rear position lights on one side of the vehicle 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 lights come 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.

Interior lights

Courtesy light



When getting on or off the vehicle, the courtesy lights switch on automatically and after a short delay they switch off again. They switch on for a short time even if the key is withdrawn from the ignition lock.

Operate rocker switch:

 = automatic switching on and off

press  = always on

press  = always off

Reading lights



Operated with  and  buttons.

Warning

Avoid using the interior lights while driving in the dark. A lit passenger compartment reduces visibility in the dark, and could cause a collision.

Sunvisor lights

Illuminates when the cover is opened.

Lighting features

Entry lighting

Welcome lighting

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

The lighting switches off immediately when the ignition is turned to the accessory position. Starting off ⇨ 17.

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

The settings can be stored by the key being used ⇨ 20.

Entrance lighting

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

Exit lighting

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

Note

Entry lighting and exit lighting can be switched on or off automatically depending on how dark it is outside.



Switching on

The following process is only applied to vehicles that do not have an automatic light function. The light switch has to be in position OFF. If the

driver's door is closed, the lights will be switched off automatically after the set time.

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.

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

When the light switch is in position AUTO and the key is removed after the ignition has been switched off, the exterior light of the vehicle that has the auto light function will be turned on automatically depending on the darkness.

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

The settings can be stored by the key being used ↻ 20.

Battery discharge protection

Switching off interior lights

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

If you turn off the ignition with the exterior lights on, they will automatically turn off immediately or after a few minutes depending on how dark it is outside or on the setting conditions.

But the exterior lights will turn on continuously if you turn them on when the ignition is off.

Infotainment system

Introduction	91
Radio	111
CD Player	122
AUX input	128
USB port	129
Navigation	133
Phone	169

Introduction

General information

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

For the AM and FM wavebands the radio is equipped with twelve automatically assignable channel presets. Furthermore, 36 channels can be allocated manually (waveband-independent).

The integrated audio player will entertain you with audio CDs and MP3/WMA CDs.

Furthermore, you can connect external data storage devices, e.g. iPod, MP3 player or USB stick (not CD 300), or a portable CD player to the Infotainment system as further audio sources.

The digital sound processor provides you with several preset equalizer modes for sound optimisation.

The navigation system (only Navi 600) with dynamic route planning will reliably guide you to your destination,

and, if desired, will automatically avoid traffic jams or other traffic problems.

Optionally, the Infotainment system can be operated using controls on the steering wheel.

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

Important information on operation and traffic safety

Warning

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

⚠ Warning

The usage of the navigation system (only Navi 600) 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

In some areas one-way streets and other roads and entrances (e.g. pedestrian zones) that you are not allowed to turn into are not marked on the map. In such areas the Infotainment system will issue a warning that must be accepted. Here you must pay particular attention to one-way streets, roads and entrances that you are not allowed to drive 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.

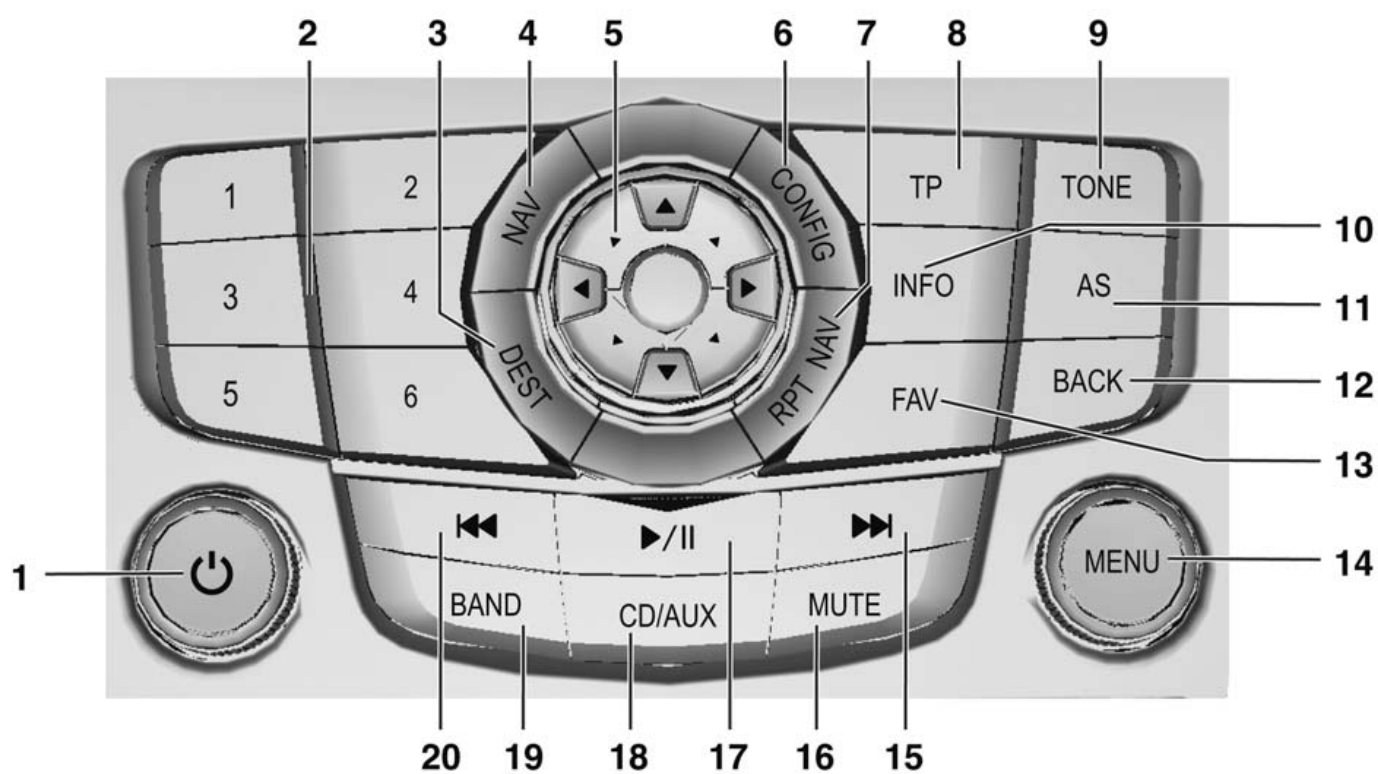
Theft-deterrent feature

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

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

Control elements overview

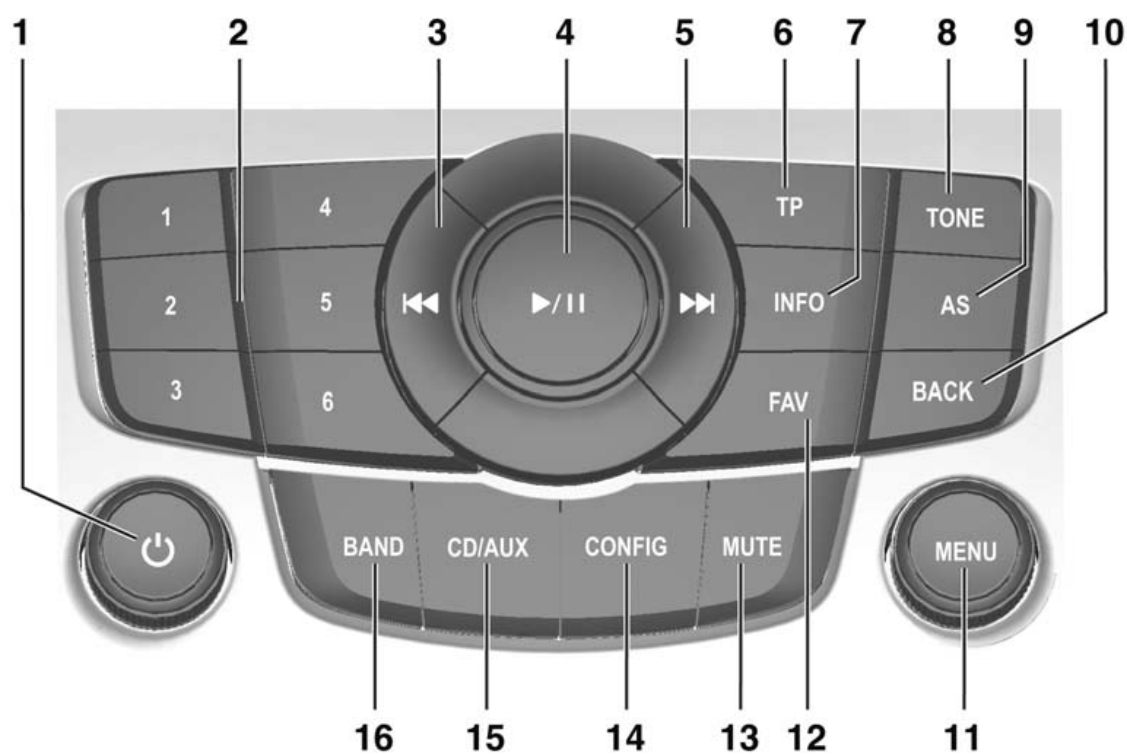
Instrument panel Navi 600



94 Infotainment system

1	⏻ knob 99	10	INFO 93	17	CD/MP3/WMA 128
	Press: switch on/off		Additional, situation-		Start/pause replay 128
	Infotainment system 99		dependent information 93	18	CD/AUX 128
	Turn: adjust volume 99	11	AS 112		Start CD/MP3/WMA
2	Station buttons 1...6 112		Automatic memory levels 112		replay or change audio
	Long press: save station 112		Short press: select		source 128
	Short press: select station . . 112		autostore list 112	19	BAND 111
3	DEST 134		Long press: save stations		Activate radio or change
	Navigation destination		automatically 112		waveband 111
	entry 134	12	BACK 100	20	Search backward 111
4	NAV 134		Menu: one level back 100		Radio: search backward 111
	Press once: Display map ... 134		Input: delete last character		CD/MP3/WMA: skip track
	Press twice: Navigation		or entire entry 100		backward 124
	menu 134	13	FAV 113		
5	Eight-way switch 134		Favourite lists 113		
	Navigation: move display	14	MENU 100		
	window in map view 134		Turn: mark menu options		
6	CONFIG 108		or set numeric values 100		
	System settings 108		Press: select/activate the		
7	RPT NAV 163		marked option; confirm set		
	Repeat last navigation		value; switch function on/off 100		
	message 163	15	Search forward 111		
8	TP 118		Radio: search forward 111		
	Activate or deactivate		CD/MP3/WMA: skip track		
	radio traffic service 118		forward 124		
9	TONE 105	16	MUTE 99		
	Tone settings 105		Activate/deactivate mute 99		

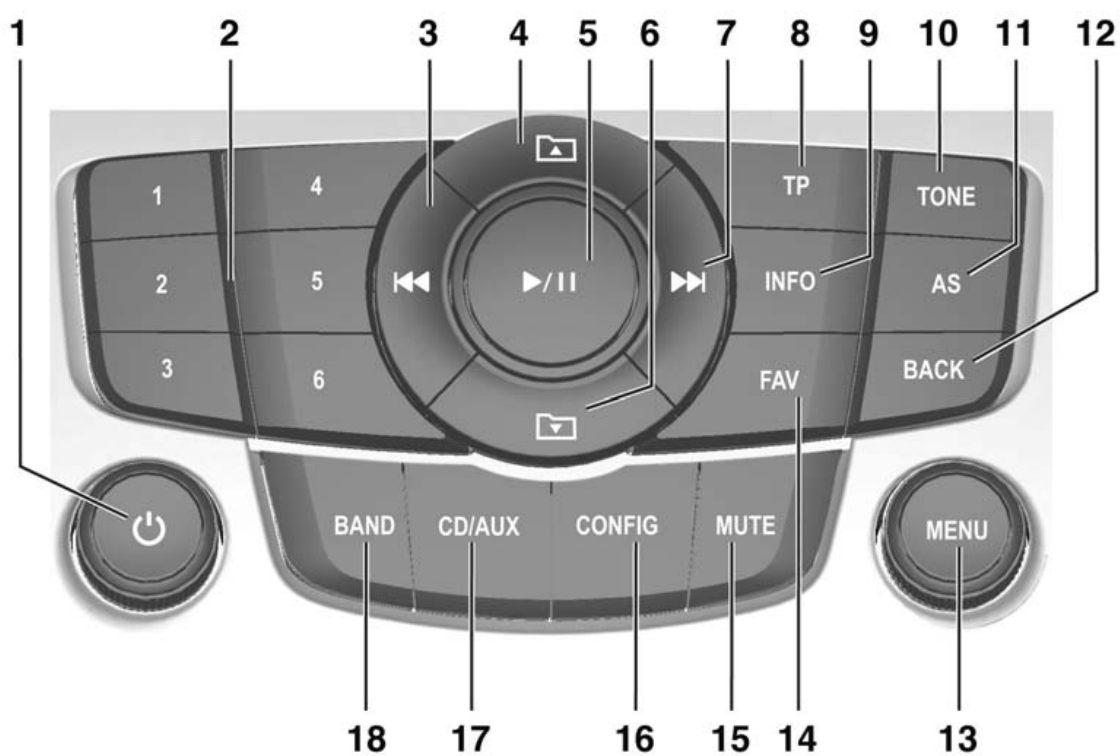
Instrument panel CD 400



96 Infotainment system

1	knob 99	9	AS 112	16	BAND 111
	Press: switch on/off		Automatic memory levels 112		Activate radio or change
	Infotainment system 99		Short press: select		waveband 111
	Turn: adjust volume 99		autostore list 112		
2	Station buttons 1...6 112		Long press: save stations		
	Long press: save station 112		automatically 112		
	Short press: select station . . 112	10	BACK 100		
3	Search backward 111		Menu: one level back 100		
	Radio: search backward 111		Input: delete last character		
	CD/MP3/WMA: skip track		or entire entry 100		
	backward 124	11	MENU 100		
4	CD/MP3/WMA: start/		Turn: mark menu options		
	pause replay 128		or set numeric values 100		
5	Search forward 111		Press: select/activate the		
	Radio: search forward 111		marked option; confirm set		
	CD/MP3/WMA: skip track		value; switch function on/off 100		
	forward 124	12	FAV 113		
6	TP 118		Favourite lists 113		
	Activate or deactivate	13	MUTE 99		
	radio traffic service 118		Activate/deactivate mute 99		
7	INFO 93	14	CONFIG 108		
	Additional, situation-		System settings 108		
	dependent information 93	15	CD/AUX 128		
8	TONE 105		Start CD/MP3/WMA		
	Tone settings 105		replay or change audio		
			source 128		

Instrument panel CD 300



98 Infotainment system

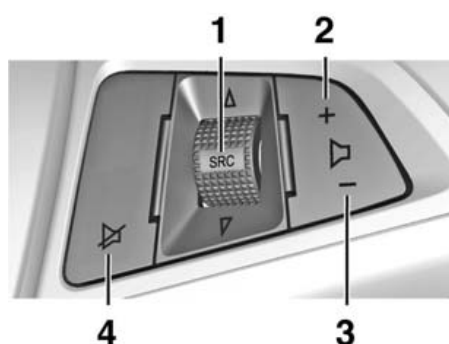
1	⏻ knob 99	10	TONE 105	18	BAND 111
	Press: switch on/off		Tone settings 105		Activate radio or change
	Infotainment system 99	11	AS 112		waveband 111
	Turn: adjust volume 99		Automatic memory levels 112		
2	Station buttons 1...6 112		Short press: select		
	Long press: save station 112		autostore list 112		
	Short press: select station . . 112		Long press: save stations		
3	Search backward 111		automatically 112		
	Radio: search backward 111	12	BACK 100		
	CD/MP3/WMA: skip track		Menu: one level back 100		
	backward 124		Input: delete last character		
4	MP3: folder level higher 124		or entire entry 100		
5	CD/MP3/WMA: start/	13	MENU 100		
	pause replay 128		Central control for		
6	MP3: folder level lower 124		selection and navigation in		
7	Search forward 111		menus 100		
	Radio: search forward 111	14	FAV 113		
	CD/MP3/WMA: skip track		Favourite lists 113		
	forward 124	15	MUTE 99		
8	TP 118		Activate/deactivate mute 99		
	Activate or deactivate	16	CONFIG 108		
	radio traffic service 118		System settings 108		
9	INFO 93	17	CD/AUX 128		
	Additional, situation-		Start CD/MP3/WMA		
	dependent information 93		replay or change audio		
			source 128		

CD slot / CD ejection



- | | | |
|---|---|-----|
| 1 | CD-in LED | 124 |
| | LED illuminates if a CD is inserted in the CD player | 124 |
| 2 | CD ejection | 124 |
| 3 | CD slot | 124 |

Steering wheel audio controls



- | | | |
|---|--|-----|
| 1 | SRC (Source) | 99 |
| | Press: select audio source | 99 |
| | If radio active: turn upwards/downwards to select next/previous preset radio station | 111 |
| | If CD player active: turn upwards/downwards to select next/previous CD/MP3/WMA track | 124 |
| 2 | Increase volume | 99 |
| 3 | Reduce volume | 99 |
| 4 | Activate/deactivate mute | 99 |

Usage

Control elements

The Infotainment system is operated via function buttons, multifunctional knobs and menus that are shown on the display.

Inputs are made optionally via:

- the central control unit in the instrument panel ⇨ 93
- controls on the steering wheel ⇨ 93

Switching the Infotainment system on or off

Press the  knob briefly. After switching on the last selected Infotainment source is active.

Automatic switch-off

If the Infotainment system has been switched on using the  knob when the ignition was switched off, it will switch off again automatically after 30 minutes.

Setting the volume

Turn the  knob. The current setting is shown on the display.

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

The following can be set separately:

- the maximum start up volume
↔ 108
- the volume of the traffic announcements ↔ 108
- the volume of the navigation messages (only Navi 600) ↔ 134

Speed compensated volume

When speed compensated volume is activated ↔ 108 the volume is adapted automatically to make up for the road and wind noise as you drive.

Mute

Press the **MUTE** button to mute the audio sources.

To cancel mute again: turn the  knob or press the **MUTE** button again.

Volume limitation at high temperatures

(only CD 300 / CD 400)

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

Radio

Press the **BAND** button to open the radio main menu or to change between the different wavebands.

Press the **MENU** knob to open a submenu with options for station selection.

Detailed description of the radio functions ↔ 111.

Audio players

Press the **CD/AUX** button to open the CD, USB, iPod or AUX menus (if available) or to swap between these menus.

Press the **MENU** knob to open a submenu with options for track selection.

Detailed description of:

- CD player functions ↔ 124
- AUX input functions ↔ 128
- USB port functions (not with CD 300) ↔ 129

Navigation

(only Navi 600)

Press the **NAV** button to display a map showing the area around the vehicle's current position.

Press the **MENU** knob to open the navigation main menu.

Detailed description of the navigation system functions ↔ 134.

Basic operation

MENU knob

The **MENU** knob is the central control element for the menus.

Turn

- to mark a menu option
- CD 300: to display a menu option
- to set a numeric value

Press

- to select or activate the marked option
- CD 300: to select or activate the option displayed
- to confirm a set value
- to switch a system function on/off

BACK button

Press the button briefly to:

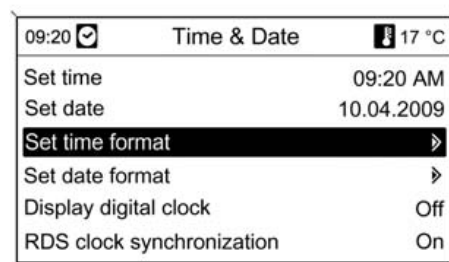
- exit a menu
- return from a submenu to the next higher menu level
- delete the last character in a character sequence

Press and hold the button for a few seconds to delete the entire entry.

Examples of menu operation

Examples relating to Navi 600

Selecting an option



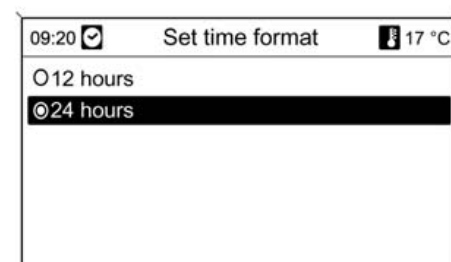
Turn the **MENU** knob to move the cursor (= coloured background) to the desired option.

Press the **MENU** knob to select the marked option.

Submenus

An arrow on the right-hand edge of the menu indicates that after selection of the option a submenu with further options will be opened.

Activating a setting



Turn the **MENU** knob to mark the desired setting.

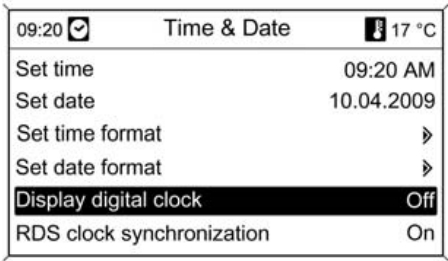
Press the **MENU** knob to activate the setting.

Setting a value



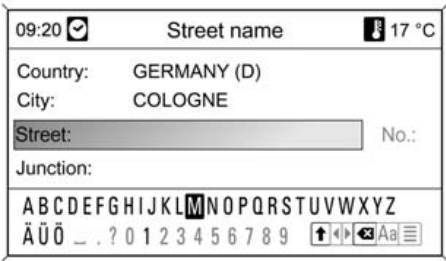
Turn the **MENU** knob to change the current value of the setting.
Press the **MENU** knob to confirm the set value.

Switching a function on or off



Turn the **MENU** knob to mark the function to be switched on or off.
Press the **MENU** knob to switch between the settings **On** and **Off**.

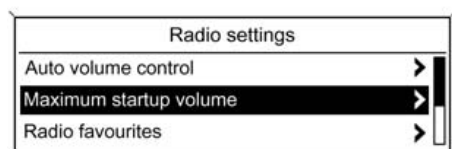
Entering a character sequence



To enter character sequences, e.g. road names:
Turn the **MENU** knob to select the desired character.
The last character in the character sequence can be deleted using the **BACK** button. Pressing and holding the **BACK** button deletes the entire entry.
Press the **MENU** knob to confirm the selected character.

Examples relating to CD 400

Selecting an option



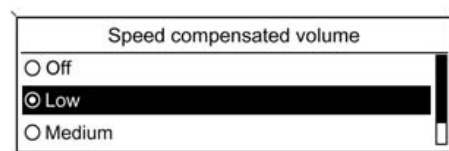
Turn the **MENU** knob to move the cursor (= coloured background) to the desired option.

Press the **MENU** knob to select the marked option.

Submenus

An arrow on the right-hand edge of the menu indicates that after selection of the option a submenu with further options will be opened.

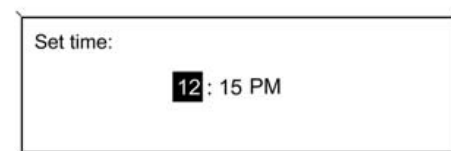
Activating a setting



Turn the **MENU** knob to mark the desired setting.

Press the **MENU** knob to activate the setting.

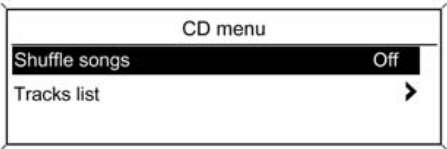
Setting a value



Turn the **MENU** knob to change the current value of the setting.

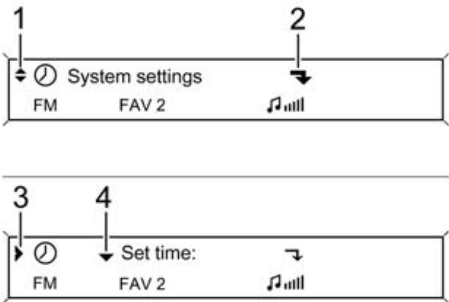
Press the **MENU** knob to confirm the set value.

Switching a function on or off



Turn the **MENU** knob to mark the function to be switched on or off. Press the **MENU** knob to switch between the settings **On** and **Off**.

Examples relating to CD 300 Menu elements and symbols



The up and down arrows **1** indicate: the top menu level is active. Further options are available in the active menu.

Turn the **MENU** knob to display the other options in the active menu.

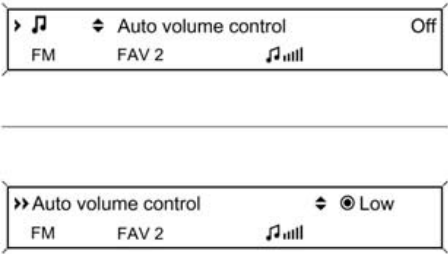
The angled arrow **2** indicates: a submenu with further options is available.

Press the **MENU** knob to select the option displayed and to open the corresponding submenu.

The arrow pointing to the right **3** indicates: the first submenu level is active (two arrows = second submenu level active).

The down arrow **4** indicates: further options are available in the active submenu.

Activating a setting

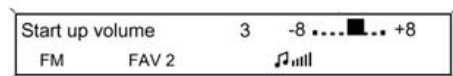
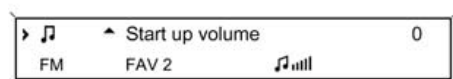


Press the **MENU** knob to open the corresponding settings menu.

Turn the **MENU** knob to display the desired setting.

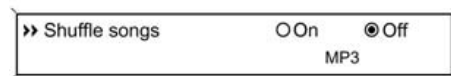
Press the **MENU** knob to activate the setting.

Setting a value



Press the **MENU** knob to open the corresponding settings menu.
Turn the **MENU** knob to change the current value of the setting.
Press the **MENU** knob to confirm the set value.

Switching a function on or off

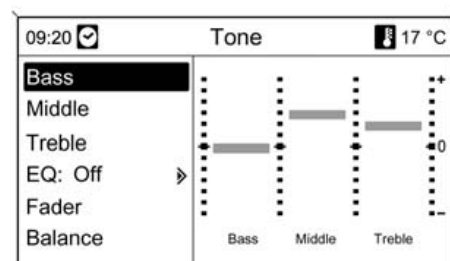


Press the **MENU** knob to open the corresponding settings menu.
Turn the **MENU** knob to mark the setting **On** or **Off**.
Press the **MENU** knob to confirm the marked setting.

Tone settings

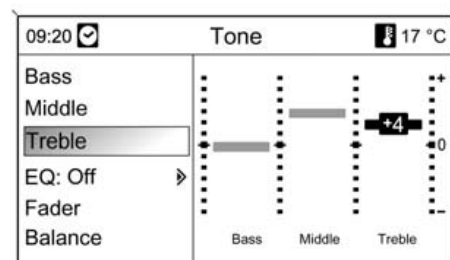
Navi 600

In the tone settings menu the tone characteristic can be set differently for each radio waveband and each audio player source.



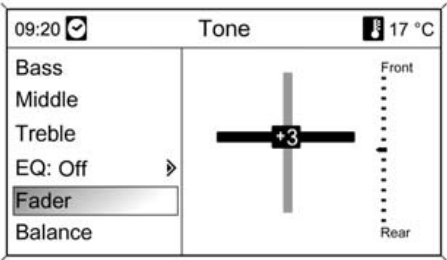
Press the **TONE** button to open the tone menu.

Setting bass, middle and treble



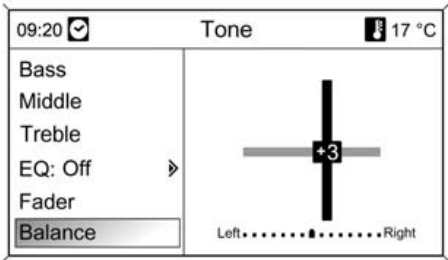
Select **Bass**, **Middle** or **Treble**.
Set the desired value for the option selected.

Setting the volume distribution between front - rear



Select **Fader**.
Set the desired value.

Setting the volume distribution between right - left

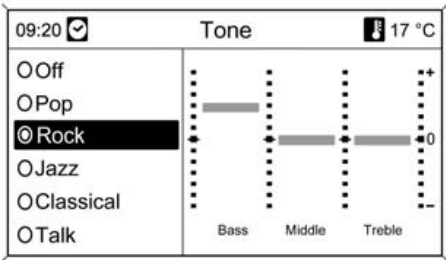


Select **Balance**.
Set the desired value.

Setting an individual setting to "0" or "Off"
Select the desired option and press and hold the **MENU** knob for a few seconds.

Setting all settings to "0" or "Off"
Press and hold the **TONE** button for a few seconds.

Optimising the tone for the style of music



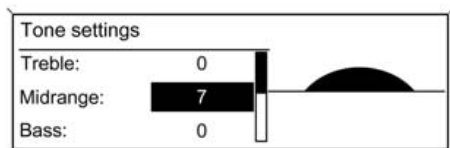
Select **EQ** (Equalizer).
The displayed options offer optimised bass, middle and treble presets for the relevant style of music.
Select the required option.

CD 300 / CD 400
In the tone settings menu the tone characteristics can be set differently for each radio waveband and each audio player source.



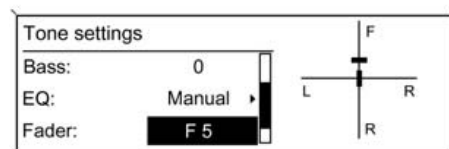
Press the **TONE** button to open the tone menu.

Setting bass, middle and treble



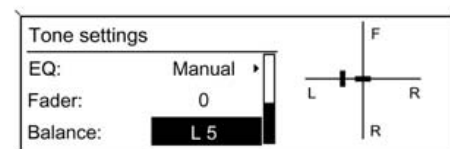
Select **Bass**., **Midrange**.: or **Treble**:.
Set the desired value for the selected option.

Setting the volume distribution between front - rear



Select **Fader**:.
Set the desired value.

Setting the volume distribution between right - left

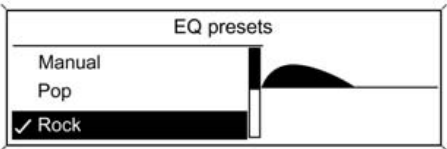


Select **Balance**:.
Set the desired value.

Setting an individual setting to "0"
Select the desired option and press and hold the **MENU** knob for a few seconds.

Setting all settings to "0" or "Off"
Press and hold the **TONE** button for a few seconds.

Optimizing the tone for the style of music



Select **EQ:** (Equalizer).

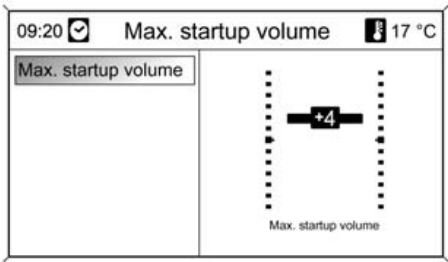
The displayed options offer optimized bass, middle and treble presets for the relevant style of music.

Select the desired option.

Volume settings

Navi 600

Maximum startup volume

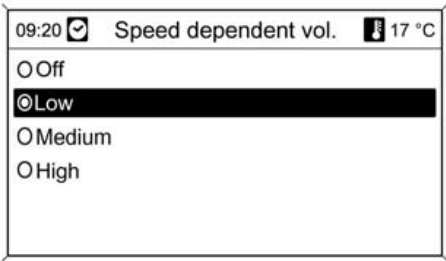


Press the **CONFIG** button to open the system settings menu.

Select **Radio settings** and then **Maximum startup volume**.

Set the desired value.

Speed dependent volume



Press the **CONFIG** button to open the system settings menu.

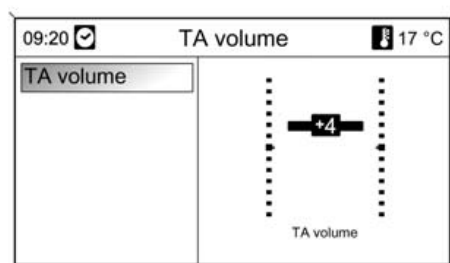
Select **Radio settings** and then **Speed dependent volume**.

Speed dependent volume can be deactivated or the degree of volume adaptation can be selected in the menu displayed.

Select the required option.

Volume of the traffic announcements (TA)

The volume of the traffic announcements can be increased or reduced proportionately to the normal audio volume.



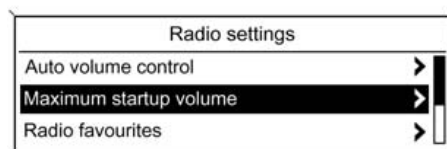
Press the **CONFIG** button to open the system settings menu.

Select **Radio settings**, **RDS options** and **TA volume**.

Set the desired value.

CD 300 / CD 400

Maximum startup volume



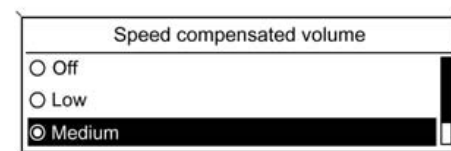
Press the **CONFIG** button to open the system settings menu.

Select **Radio settings** and then **Maximum startup volume**.

CD 300: select **Audio settings** and then **Start up Volume**.

Set the desired value.

Speed compensated volume



Press the **CONFIG** button to open the system settings menu.

Select **Radio settings** and then **Auto volume control**.

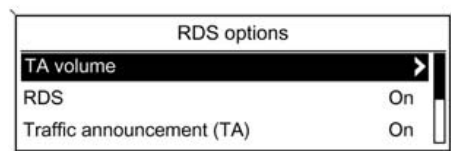
CD 300: select **Audio settings** and then **Auto volume control**.

Speed compensated volume can be deactivated or the degree of volume adaptation can be selected in the menu displayed.

Select the desired option.

Volume of the traffic announcements (TA)

The volume of the traffic announcements can be increased or reduced proportionately to the normal audio volume.



Press the **CONFIG** button to open the system settings menu.

Select **Radio settings**, **RDS options** and **TA volume**.

CD 300: select **Audio settings**, **RDS options** and **TA volume**.

Set the desired value for the volume increase or reduction.

Personalisation

(only CD 400)

Various Infotainment system settings can be separately memorised for each vehicle key (driver) of the car.

Memorised settings

By removing the vehicle key from the ignition switch the following settings are automatically saved for the key being used:

- last volume settings; one volume level for all non-phone audio sources (radio, CD player, AUX, USB)
- all radio station presets
- all tone settings; each of these settings are separately saved for each of the following audio sources (if available): AM, FM, CD player, AUX, USB
- last active audio source
- last active radio station (separately for each waveband)
- last active display mode

- last position in Audio/MP3 CD or changer unit (if available) including disk number, track number, folder
- state of shuffle songs setting (CD player)
- state of TP (Traffic Programme) setting
- cursor position for each menu on the display

Activating/deactivating personalization

Press the **CONFIG** button to open the system settings menu.

Select **Vehicle settings** and then **Comfort settings**.

Set **Personalization by driver** to **On** or **Off**.

Radio

Usage

Control buttons

The most important buttons for control of the radio are as follows:

- **BAND**: Activate radio
- **◀▶**: Station search
- **AS**: Autostore lists
- **FAV**: Favourite lists
- **1...6**: Preset buttons
- **TP**: Radio traffic service ⇨ 118

Activating the radio

Press the **BAND** button to open the radio main menu.

The station last played will be received.

Selecting the waveband

Press the **BAND** button once or several times to select the desired waveband.

The station last played in that waveband will be received.

Station search

Automatic station search

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

Manual station search

Navi 600

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

A search is made for the next station that can be received and it is played automatically.

CD 300 / CD 400

Press the button **◀▶** or **▶▶** for a few seconds to start a search for the next receivable station in the current waveband.

When the required frequency has been reached the station is played automatically.

Note

Manual station search: If the radio does not find a station, it switches automatically to a more sensitive search level. If it still does not find a station, the frequency that was last active is set again.

Note

FM waveband: when the RDS function is activated, only RDS stations ⇨ 118 are searched for, and when the radio traffic service (TP) is activated, only traffic service stations ⇨ 118 are searched for.

Manual station tuning

FM waveband

Only Navi 600: press the **MENU** knob to open the FM menu and select **Manual tuning FM**.

Turn the **MENU** knob and set the optimal reception frequency on the popup frequency display.

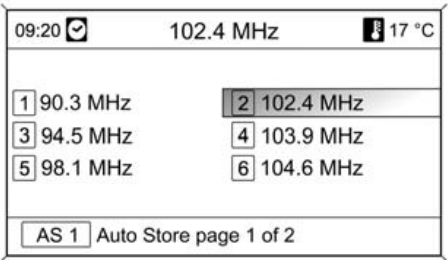
AM waveband

Turn the **MENU** knob and set the optimal reception frequency on the popup frequency display.

Autostore lists

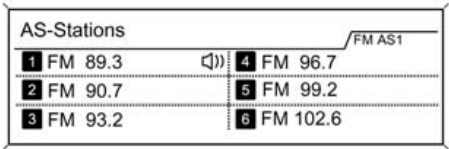
The stations that can be received best in a waveband can be searched for and stored automatically via the autostore function.

Navi 600:



Note
The currently received station is highlighted.

CD 400:



Note
The currently received station is marked by .

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

Automatic station storing
Keep the AS button pressed until an autostore message is displayed. The 12 strongest stations in the current waveband will be stored in the 2 autostore lists.

To abort the autostore procedure, press the MENU knob.

Storing stations manually
Stations can also be stored manually in the autostore lists.
Set the station to be stored.
Briefly press the AS button to open an 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.

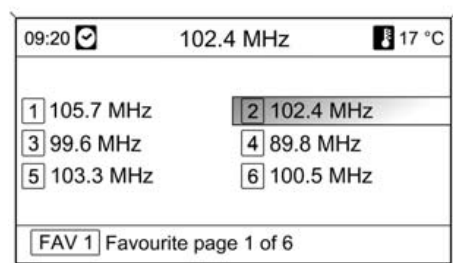
Note
Manually stored stations are overwritten in an automatic station storing process.

Retrieving a station
Briefly press the AS button to open an autostore list or to switch to another autostore list.
Briefly press one of the station buttons 1...6, to open the station at the corresponding list position.

Favourite lists

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

Navi 600



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.

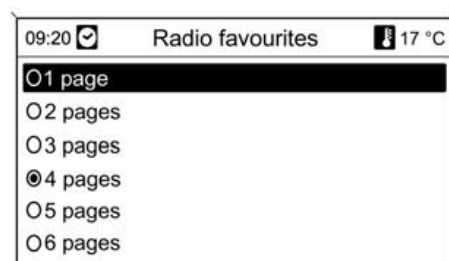
Briefly press the **FAV** button to open a favourite list or to switch to another favourite list.

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

Retrieving a station

Briefly press the **FAV** button to open a favourite list or to switch to another favourite list. Briefly press one of the station buttons 1...6, to open the station at the related list position.

Defining the number of available favourite lists

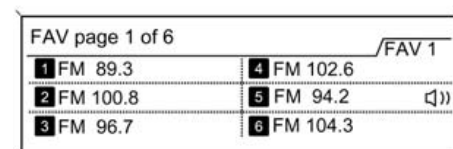


Press **CONFIG** button.

Select **Radio settings** and then **Radio favourites**.

Select the desired number of available favourite lists.

CD 300 / CD 400



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

CD 300: The number of available favourite lists is not configurable.

Note

The currently received station is marked by .

Storing a station

Set the station to be stored.

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

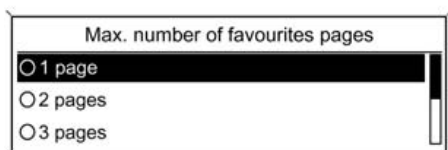
To store the station in a list position: press the corresponding station button 1...6 until a confirmation message is displayed.

Retrieving a station

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

Briefly press one of the station buttons 1...6, to open the station at the related list position.

Defining the number of available favourite lists (not CD 300)



Press the **CONFIG** button.

Select **Radio settings** and then **Radio favourites**.

Select the desired number of available favourite lists.

Waveband menus

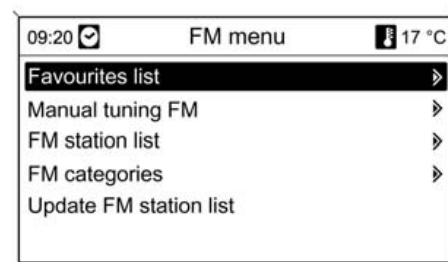
Alternative facilities for station selection are available via waveband specific menus.

With the radio main menu active press the **MENU** knob to open the relevant waveband menu.

Note

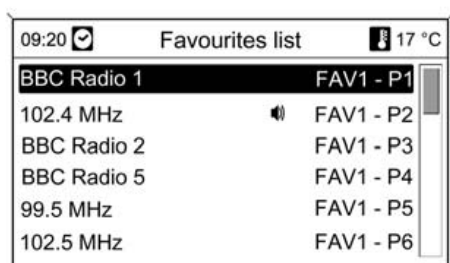
The following FM specific displays are shown as examples.

Navi 600



Favourites list

Select **Favourites list**. All stations saved in the favourites lists are displayed.



Select the required station.

Note

The currently received station is marked by .

Manual tuning

Description see "Manual station tuning" above.

Station lists

Select **AM station list** or **FM station list**.

All receivable AM/FM stations in the current reception area are displayed.

Note

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



Select the required station.

Note

The currently received station is marked by .

Updating station lists

If the stations stored in a waveband-specific station list can no longer be received:

Select the corresponding command 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: press **MENU** knob.

Note

If a waveband specific station list is updated the corresponding category list (if available) is also updated.

Important information on updating the station lists

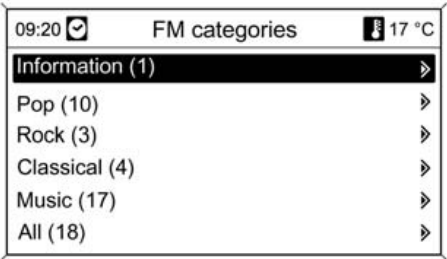
The dual tuner in the Infotainment system continuously updates the station lists in the background. This ensures that, e.g., the station lists always contain the stations that can be received in the local area during a long motorway journey. As the automatic updating takes a certain amount of time, not all stations that can be received may be available at once in the station list at a sudden change in reception area. In such circumstances the updating of the station lists can be accelerated using the corresponding command for updating a station list.

Category lists

Numerous RDS stations ⇨ 118 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 currently being transmitted.

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

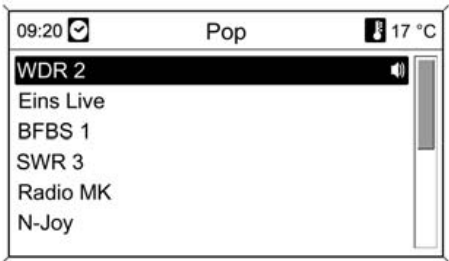
To search for a programme type determined by station: select the waveband specific category list option.



A list of programme types available at the moment is displayed.

Select desired programme type.

A list of stations is displayed that transmit a programme of the selected type.



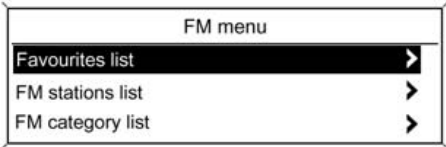
Select the required station.

The category list is also updated when the corresponding waveband specific station list is updated.

Note

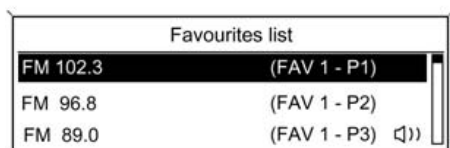
The currently received station is marked by [speaker icon].

CD 300 / CD 400



Favourites list

Select **Favourites list**. All stations saved in the favourites lists are displayed.



Select the required station.

Note

The currently received station is marked by .

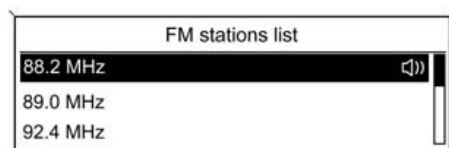
Stationslists

Select **AM stations list** or **FM stations list**.

All receivable AM/FM stations in the current reception area are displayed.

Note

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



Select the required station.

Note

The currently received station is marked by .

Updating stations lists

If the stations stored in a waveband-specific station list can no longer be received:

Select the corresponding command to update a station list.

CD 400: The dual tuner of the Infotainment system continuously updates the FM stations list in the background. No manual update is required.

A station search is started. Once the search is completed the station last received will be played.

To abort the station search, press the **MENU** knob.

Note

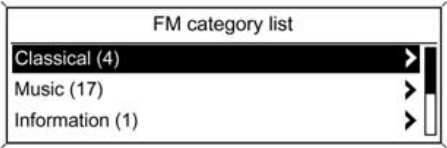
If a waveband specific station list is updated the corresponding category list (if available) is also updated.

Category lists

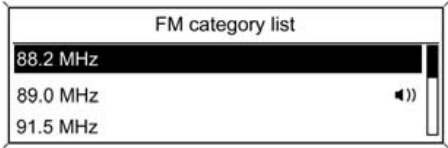
Numerous RDS stations  118 broadcast a PTY code, which specifies the type of programme transmitted (e.g. news). Some stations also change the PTY code depending on the content currently being transmitted.

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

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



A list of programme types available at the moment is displayed.
Select the desired programme type.
A list of stations is displayed that transmit a programme of the selected type.



Select the desired station.
CD 300: The next receivable station of the selected type is searched for and is played.
The category list is also updated when the corresponding waveband specific station list is updated.
Note
The currently received station is marked by .

Radio data system (RDS)

RDS is a service of FM stations that considerably facilitates the finding of the desired station and its fault-free reception.

Advantages of RDS

- On the display the programme name of the set station appears instead of its frequency.
- On station search the Infotainment system tunes in to RDS stations only.
- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (Alternative Frequency).
- Depending on the station that is received the Infotainment system displays radio text that can contain, for example, information about the current programme.

Navi 600

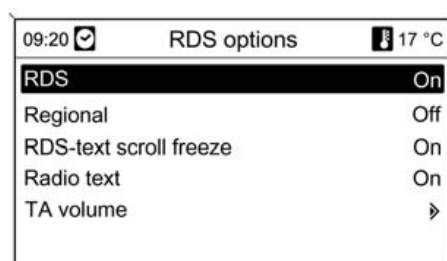


Configuring RDS

To open the menu for the RDS configuration:

Press the **CONFIG** button.

Select **Radio settings** and then **RDS options**.



Switching RDS on and off

Set **RDS** to **On** or **Off**.

Switching regionalization on and off

(RDS must be activated for regionalization.)

At certain times some RDS stations broadcast regionally different programmes on different frequencies.

Set **Regional** to **On** or **Off**.

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

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

RDS scrolling text

Some RDS stations use the lines for indicating the name of the programme to also indicate additional information. During this process the programme name is hidden.

To prevent additional information being displayed:

Set **RDS-text scroll freeze** to **On**.

Radio text

If RDS and reception of an RDS station are activated, information about the programme that is currently receivable and about the music track being played at the moment are displayed below the programme name.

To show or hide the information:

Set **Radio text** to **On** or **Off**.

TA volume

The volume of the traffic announcements (TA) can be preset
 ↗ 108.

Radio traffic service

(TP = Traffic Programme)

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

Switching the radio traffic service on and off

To switch the traffic announcement standby facility of the Infotainment system on and off:

Press the **TP** button.

- If the radio traffic service is switched on, [] is indicated on the display in black (grey if radio traffic service is switched off).
- Only radio traffic service stations are received.
- If the current station is not a radio traffic service station, a search is started automatically for the next radio traffic service station.
- If a radio traffic service station has been found, [TP] is indicated on the display in black. If no radio traffic service stations are found, TP is displayed in grey.
- Traffic announcements are played at the preset TA volume ⇨ 108.

- If the radio traffic service is switched on, CD/MP3 replay is interrupted for the duration of the traffic announcement.

Listening to traffic announcements only

Switch on the radio traffic service and completely turn down the volume of the Infotainment system.

Blocking out traffic announcements

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

Press **TP** button or the **MENU** knob to confirm the cancel message on the display.

The traffic announcement is aborted, but the radio traffic service remains switched on.

EON (Enhanced Other Networks)

With EON you can listen to radio traffic announcements even if the station you have set does not broadcast its own radio traffic service. If such a station is set, it is displayed in black as for radio traffic service stations **TP**.

CD 300 / CD 400



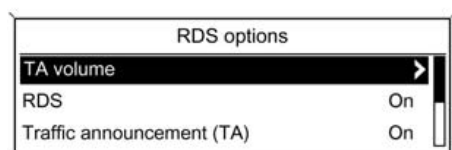
Configuring RDS

To open the menu for the RDS configuration:

Press the **CONFIG** button.

Select **Radio settings** and then **RDS options**.

CD 300: Select **Audio settings** and then **RDS options**.



TA volume

The volume of the traffic announcements (TA) can be preset ⇨ 108.

Switching RDS on and off

Set the option **RDS** to **On** or **Off**.

Traffic announcement (TA)

To switch the TA function on or off permanently:

Set the option **Traffic announcement (TA)** to **On** or **Off**.

Switching regionalization on and off (RDS must be activated for regionalization.)

At certain times some RDS stations broadcast regionally different programmes on different frequencies.

Set the option **Regional (REG)** to **On** or **Off**.

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

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

RDS-scrolling text

Some RDS stations hide the programme name in the display line in order to display additional information.

To prevent additional information being displayed:

Set **RDS-Text scroll freeze** to **On**.

Radio text:

If RDS and reception of an RDS station are activated, information about the programme that is currently receivable and about the music track

being played at the moment are displayed below the programme name.

To show or hide the information:

Set the option **Radio text:** to **On** or **Off**.

Radio traffic service

(TP = Traffic Programme)

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

Switching the radio traffic service on and off

To switch the traffic announcement standby facility of the Infotainment system on and off:

Press the **TP** button.

- If the radio traffic service is switched on, [] is displayed in the radio main menu.
- Only radio traffic service stations are received.
- If the current station is not a radio traffic service station, a search is started automatically for the next radio traffic service station.

- If a radio traffic service station has been found, **[TP]** is displayed in the radio main menu.
- Traffic announcements are played at the preset TA volume ⇨ 108.
- If the radio traffic service is switched on, CD/MP3 replay is interrupted for the duration of the traffic announcement.

Listening to traffic announcements only
Switch on the radio traffic service and completely turn down the volume of the Infotainment system.

Blocking out traffic announcements
To block out a traffic announcement, e.g. during CD/MP3 replay:
Press **TP** button or the **MENU** knob to confirm the cancel message on the display.
The traffic announcement is aborted, but the radio traffic service remains switched on.

EON (Enhanced Other Networks)
With EON you can listen to radio traffic announcements even if the station you have set does not

broadcast its own radio traffic service. If such a station is set, it is displayed in black as for radio traffic service stations **TP**.

CD Player

General information

Navi 600
The Infotainment system's CD player can replay audio CDs and MP3/WMA CDs.

Important information about 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 drive. An expensive replacement of the device will then be necessary.

- Audio CDs with copy protection, which are not in compliance with the audio CD standard, may not play correctly or not at all.

- Self-recorded CD-Rs and CD-RWs are more vulnerable to mishandling than prerecorded CDs. Correct handling, especially in the case of self-recorded CD-Rs and CD-RWs, must be ensured; see below.
- Self-recorded CD-Rs and CD-RWs may not play correctly or not at all.
- On mixed mode CDs (combinations of audio and data, e.g. MP3), only the audio tracks will be detected and played.
- Avoid leaving fingerprints when you change CDs.
- Put CDs back in their sleeves immediately after removing them from the audio player in order to protect them from damage and dirt.
- Dirt and liquids on CDs can smear the lens of the audio player inside the device and cause faults.
- Protect CDs from heat and direct sunlight.
- The following restrictions apply for the data stored on an MP3/WMA CD:

Maximum folder structure depth: 11 levels.

Maximum number of MP3/WMA files that can be saved: 1000.

WMA files with Digital Rights Management (DRM) from online music shops cannot be played.

WMA files can only be played back safely if they were created with Windows Media Player version 8 or later.

Applicable playlist extensions: .m3u, .pls

Playlist entries must be in the form of relative paths.

- This chapter deals only with playing MP3 files since the operation for MP3 and WMA files is identical. When a CD with WMA files is loaded MP3 related menus are displayed.

CD 300 / CD 400

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

Important information about 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 drive. An expensive replacement of the device will then be necessary.

- The following CD formats can be used:
 - CD-ROM Mode 1 and Mode 2.
 - CD-ROM XA Mode 2, Form 1 and Form 2.
- 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.
- Audio CDs with copy protection, which are not in compliance with the audio CD standard, may not play correctly or not at all.
 - Self-recorded CD-Rs and CD-RWs are more vulnerable to mishandling than prerecorded CDs. Correct handling, especially in the case of self-recorded CD-Rs and CD-RWs, must be ensured. See below.
 - Self-recorded CD-Rs and CD-RWs may not play correctly or not at all. In such cases it is not the equipment that is at fault.
 - On mixed mode CDs (audio tracks and compressed files, e.g. MP3, are stored), the audio tracks part and the compressed files part can be played separately.
 - Avoid leaving fingerprints when you change CDs.
 - Put CDs back in their sleeves immediately after removing them from the CD player in order to protect them from damage and dirt.

- Dirt and liquids on CDs can smear the lens of the CD player inside the device and cause faults.
- Protect CDs from heat and direct sunlight.
- 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.
- This chapter deals only with playing MP3 files since the operation for MP3 and WMA files is identical. When a CD with WMA files is loaded MP3 related menus are displayed.

Usage

Navi 600



Starting CD replay

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

CD replay starts automatically and the **Audio CD** or **Audio MP3** menu is displayed.

If there is already a CD in the unit, but the **Audio CD** or **Audio MP3** menu is not active:

Press **CD/AUX** button.

The **Audio CD** or **Audio MP3** menu is opened and CD replay is started.

Depending on the data stored on the audio CD or MP3 CD differing information about the CD and the current music track will be shown on the display.

If the **Audio CD** or **Audio MP3** menu does not appear after pressing the **CD/AUX** button, there is still a navigation CD in the CD slot. Press **CD EJECT** button to remove the CD.

Selecting a track

Turn the **MENU** knob to display a list of all tracks on the CD. The currently played track is preselected.

Select the desired track.

Skipping to the next track or previous track

Briefly press **⏮** or **⏭** button once or several times.

Track search forward or backward

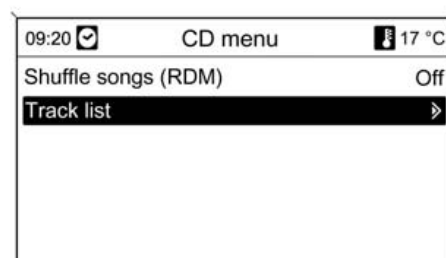
Briefly press **⏮** or **⏭** button and then press **⏮** or **⏭** button again and keep pressed until the desired track is displayed.

Fast forward or rewind

Press the button **⏮** or **⏭** and hold it down to fast forward or rewind the current track.

Selecting tracks using the audio CD or MP3 menu

During audio CD replay

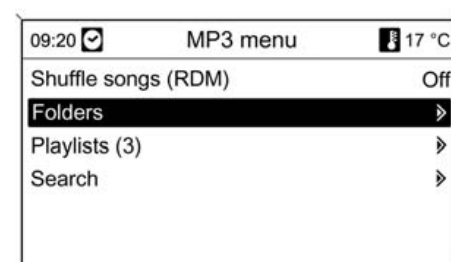


Press the **MENU** knob to open the audio CD related menu.

To play all tracks in random order: set **Shuffle songs (RDM)** to **On**.

To select a track on the audio CD: select **Track list** and then select the desired track.

During MP3 replay



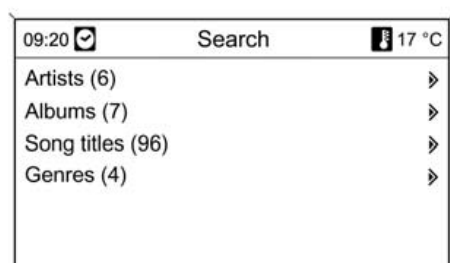
Press the **MENU** knob to open the MP3 related menu.

To play all tracks in random order: set **Shuffle songs (RDM)** to **On**.

To select a track from a folder or playlist (if available): select **Folders** or **Playlists**.

Select a folder or playlist and then select the desired track.

Select **Search** to open a menu with additional options for track search and selection.



Depending on the amount of tracks saved, the search process may take several minutes.

Select a search option and then select the desired track.

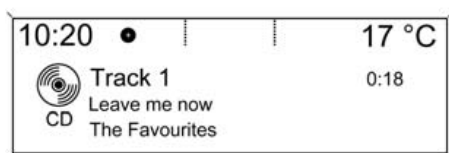
Removing a CD

Press **CD EJECT** button.

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.

CD 300 / CD 400



Starting CD replay

Press the **CD/AUX** button to open the CD or MP3 menu.

If there is a CD in the CD player, CD replay is started.

Depending on the data stored on the audio CD or MP3 CD differing information about the CD and the current music track will be shown on the display.

Inserting a CD

Insert a CD with the printed side facing up into the CD slot until it is drawn in.

Changing the standard page view (only CD 300)

During audio CD or MP3 replay: press the **MENU** knob and then select **Default CD page view** or **Default MP3 page view**.

Select the desired option.

Changing the folder level (only CD 300, MP3 replay)

Press the button  or  to change to a higher or lower folder level.

Skipping to the next track or previous track

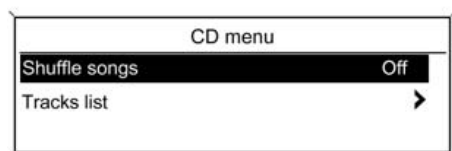
Briefly press the button  or .

Fast forward or rewind

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

Selecting tracks using the audio CD or MP3 menu

During audio CD replay

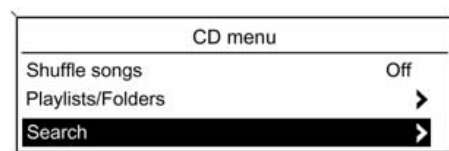


Press the **MENU** knob to open the audio CD related menu.

To play all tracks in random order: set **Shuffle songs** to **On**.

To select a track on the audio CD: select **Tracks list** and then select the desired track.

During MP3 replay



Press the **MENU** knob to open the MP3 related menu.

To play all tracks in random order: set **Shuffle songs** to **On**.

To select a track from a folder or playlist (if available): select **Playlists/Folders**.

Select a folder or playlist and then select the desired track.

Note

If a CD contains both audio and MP3 data, the audio data can be selected from **Playlists/Folders**.

To open a menu with additional options for track search and selection: select **Search**. What options are available depends on the data saved on the MP3 CD.

The search process on the MP3 CD may take several minutes. During this time the station last played will be received.

Removing a CD

Press the **CD EJECT** button.

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.

AUX input

General information

Under the hinged instrument panel on the centre console there is an AUX socket for the connection of external audio sources.

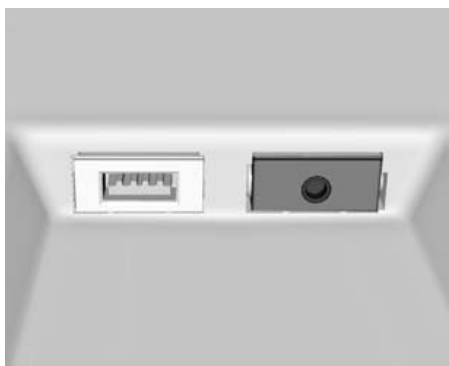


Push the button up and then fold up the instrument panel.

Navi 600:



CD 300 / CD 400:



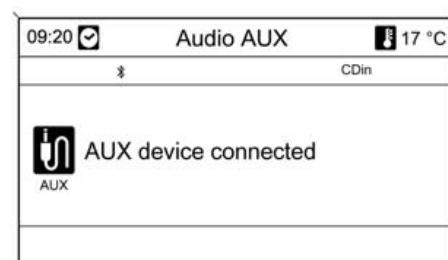
Note

The socket must always be kept clean and dry.

It is possible, for example, to connect a portable CD player with a 3.5 mm jack plug to the AUX input.

Usage

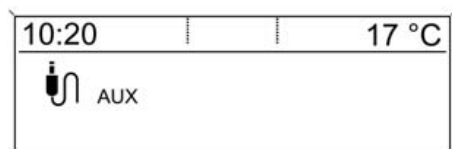
Navi 600



Press the **CD/AUX** button once or several times to activate the AUX mode.

An audio source that is connected to the AUX input can be operated only via the control elements of the audio source.

CD 300 / CD 400



Press the **CD/AUX** button once or several times to activate the AUX mode.

An audio source that is connected to the AUX input can be operated only via the control elements of the audio source.

USB port

General information

Under the hinged instrument panel on the centre console there is a USB socket for the connection of external audio sources.



Push the button up and then fold up the instrument panel.

Navi 600



Devices connected to the USB port are operated via the controls and menus of the Infotainment system.

Note

Do not insert a USB drive device longer than 50 mm. A longer device may be damaged when folding down the instrument panel.

Note

The socket must always be kept clean and dry.

An MP3 player, USB drive or an iPod can be connected to the USB port.

130 Infotainment system

Those devices are operated via the controls and menus of the Infotainment system.

Note

Not all MP3 player, USB drive and iPod models are supported by the Infotainment system.

Important information

MP3 player and USB drives

- The MP3 players and USB drives connected must comply with the USB Mass Storage Class specification (USB MSC).
- Only MP3 players and USB drives with a cluster size smaller or equal 64 kBytes in the FAT16/FAT32 file system are supported.
- Hard disk drives (HDD) and are not supported.
- USB hubs are not supported.
- The following restrictions apply for the data stored on an MP3 Player or USB device:

Maximum folder structure depth: 11 levels.

Maximum number of MP3/WMA files that can be saved: 1000.

WMA files with Digital Rights Management (DRM) from online music shops cannot be played.

WMA files can only be played back safely if they were created with Windows Media Player version 8 or later.

Applicable playlist extensions: .m3u, .pls

Playlist entries must be in the form of relative paths.

The system attribute for folders/ files that contain audio data must not be set.

CD 400



Note

Do not insert a USB drive device longer than 50 mm. A longer device may be damaged when folding down the instrument panel.

Note

The socket must always be kept clean and dry.

The following devices can be connected to the USB port:

- iPod
- Zune

- PlaysForSure device (PFD)
- USB drive

Those devices are operated via the controls and menus of the Infotainment system.

Note

Not all iPod, Zune, PFD or USB drive models are supported by the Infotainment system.

Playing saved audio files

Navi 600

MP3 player / USB drives



Press the **CD/AUX** button once or several times to activate the audio USB mode.

Replay of the audio data stored on the USB device is started.

The operation of data sources connected via USB is the same as for an audio MP3/WMA CD ↻ 124.

iPod



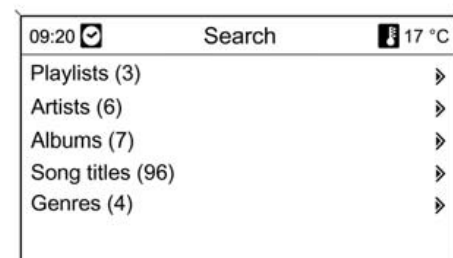
Press the **CD/AUX** button once or several times to activate the audio iPod mode.

Replay of the audio data stored on the iPod is started.

The operation of the iPod connected via USB is mainly the same as for an audio MP3/WMA CD ↻ 124.

Below only the aspects of operation that are different/additional are described.

iPod functions

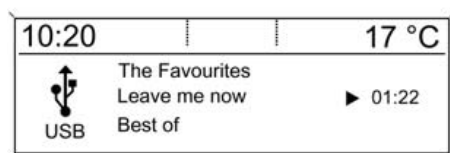


Depending on the data saved, there are various options for the selection and playing of tracks.

Press the **MENU** knob and then select **Search** to display the options available.

The search process on the device may take several seconds.

CD 400



Press the **CD/AUX** button once or several times to activate the USB mode.

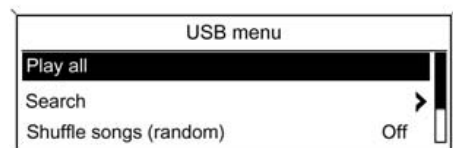
Replay of the audio data stored on the USB device is started.

The operation of data sources connected via USB is mainly the same as for an audio MP3 CD ↗ 124.

Below only the aspects of operation that are different/additional are described.

Operation and the screen displays are described for USB drives only. Operation of other devices like iPod or Zune is mainly the same.

Selecting tracks using the USB menu



Press the **MENU** knob to open the USB related menu.

To play all tracks in succession: select **Play all**.

To display a menu with various additional options for track search and selection: select **Search**.

The search process on the USB device may take several minutes. During this time the station last played will be received.

To play all tracks in random order: set **Shuffle songs (random)** to **On**.

To repeat the currently played track: set **Repeat** to **On**.

Navigation

General information

The navigation system will reliably guide you to your destination without the need to read maps, even if you have no local knowledge whatsoever.

The current traffic situation is taken into account in the route calculation if dynamic route guidance is used. For this purpose the Infotainment system receives traffic announcements in the current reception area via RDS-TMC.

The navigation system 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 system

The position and movement of the vehicle are detected by the navigation system using sensors. The travelled distance is determined by the vehicle's speedometer signal, 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 on the map SD card, it is possible to determine the position with an accuracy of approx. 10 m.

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.

The route guidance is provided by voice output and an arrow, as well as with the aid of a multi-colour map display.

TMC traffic information system and dynamic route guidance

The TMC traffic information system receives all current traffic information from TMC radio stations. If dynamic route guidance is active, this information is included in the calculation of the overall route. During this process, the route is planned so that traffic problems related to pre-selected criteria are avoided.

If there is a traffic problem during active route guidance, depending on the pre-settings, a message appears as to whether the route should be changed.

TMC traffic information is displayed in the route guidance display as symbols or as detailed text on the **TMC messages** menu.

To be able to use TMC traffic information, the system has to receive TMC stations in the relevant region.

Dynamic route guidance only works if traffic information is received via the TMC traffic information system.

The dynamic route guidance function can be deactivated in the **Navigation options** menu, see chapter "Guidance" ➔ 156.

Map data

All required map data is stored on an SD card provided with the Infotainment system.

Detailed descriptions on map SD card handling and replacement, see chapter "Maps" ➔ 164

Usage

Control elements

The most important navigation-specific control elements are as follows:

NAV button: activate navigation; show current position (if route guidance inactive); show calculated route (if route guidance active); toggle between full map display, arrow display (if route guidance active) and split screen display, see "Information on the display" below.

DEST button: open menu with options for destination entry.

Eight-way switch: move display window in navigation map view; to select the destination, press in the required direction to position the crosswires over a destination on the map.

RPT NAV button: repeat last route guidance message.

Activating the navigation system

Press the **NAV** button.

The map of the current location is shown on the display, see "Information on the display" below.

Route guidance messages

In addition to the visual instructions on the display (see "Information on the display" below), route guidance messages will be announced when route guidance is active.

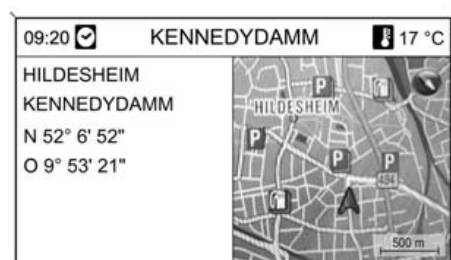
Presetting the volume of route guidance messages: see "Setting up the navigation system" below.

Adjusting the volume of route guidance messages while they are announced: turn the  knob.

Repeating the last announced route guidance message: press the **RPT NAV** button.

Information on the display

Route guidance not active



If route guidance is not active, the following information is displayed:

- In the top line: time, street name of current position, exterior temperature.
- Address and geographic coordinates of current position.
- Map display of the area around the current position.
- On the map: current position marked by a red triangle.

A compass symbol that indicates the north direction.

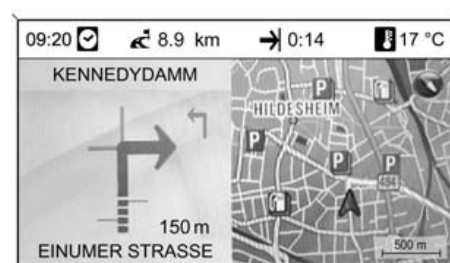
If no GPS signal is available at the current position, a crossed "GPS" symbol is displayed below the compass symbol.

The currently selected map scale (change scale: turn **MENU** knob).

Route guidance active

If route guidance is active, the following information is displayed (depending on the current **Navigation options** settings, see chapter "Guidance" ➔ 156):

Information in the top line



- Time
- Distance to the final destination
- Arrival time or travel time
- Exterior temperature

Information on the arrow display

- A big arrow representing the direction to follow.
- A small arrow representing the overnext driving recommendation.
- Distance to the next intersection.
- Streets leading off the current street to follow.
- Below the arrow symbol: the name of the current street to follow.
- Above the arrow symbol: the name of the street to follow after the next intersection.

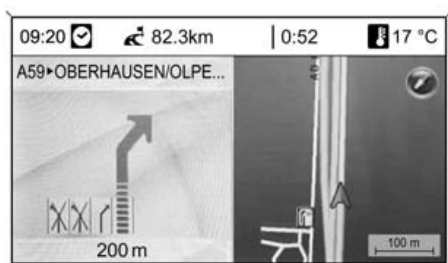
- While driving on highways:



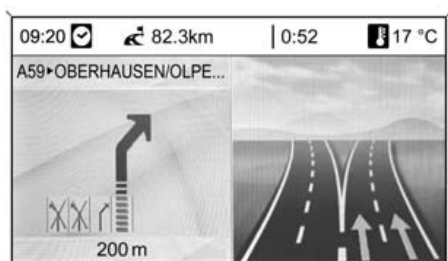
Driving direction and distance to the next highway exit, which you need to follow.

Distances to the next service areas, parking areas, intersections and/or exits on the highway.

- When reaching a highway intersection information regarding lane guidance is displayed:



If the option **Highway lane guidance** is activated in the **Display route guidance** menu (see chapter "Guidance" ⇨ 156) the following type of illustration is displayed:



Information on the map display



On the right side of the display the following information is shown:

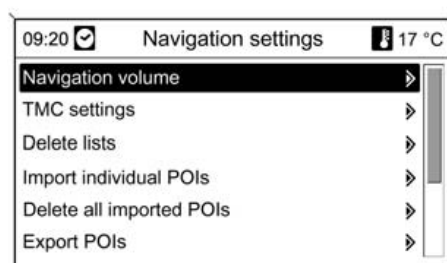
- A compass symbol that indicates the north direction.
- If no GPS signal (see chapter "General information" ⇨ 133) is available at the current position: a crossed "GPS" symbol is displayed below the compass symbol.
- The currently selected map scale (change scale: turn **MENU** knob).

On the map the following information is shown:

- The route as a blue line.
- The current position as a red triangle.
- The final destination as a chequered flag.
- Various symbols (see chapter "Symbols overview" ⇨ 166) that indicate traffic information and general information or points of interest.

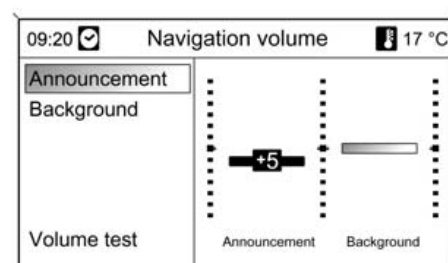
Setting up the navigation system

Press the **CONFIG** button and then select **Navigation settings** to open a menu with navigation-specific settings.



Navigation volume

The relative volumes of the navigation message (**Announcement**) and the audio source (**Background**) during a navigation message can be preset.



Set the desired values for **Announcement** and **Background**.

To test the current settings: select **Volume test**.

TMC settings

Select **Infotypes** to open a submenu with various options to define whether and which traffic message infotypes are to be displayed on the active route guidance map.

When **User defined** is selected, the infotypes that are to be displayed can be defined.

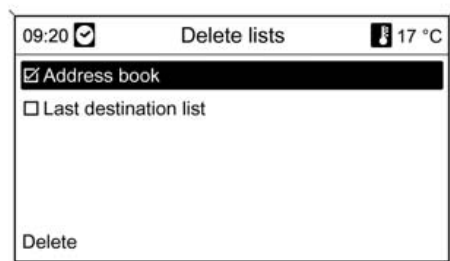
Sort criteria

Select whether traffic messages are to be displayed in an order based on distance or street name.

Warning messages when route guidance is inactive

Decide whether the Infotainment system should announce warning messages even if no route guidance is active.

Delete lists



Select whether all entries in the **Address book** or in the **Last destination list** are to be deleted.

Import individual POIs

Only applicable if a USB drive with points of interest (POI) data stored on it is connected to the USB port ↻ 129 of the Infotainment system.

Importing POI data from a USB drive, see "Exporting and importing POI data" below.

Delete all imported POIs

Only applicable if POI data were imported to the Infotainment system, see "Exporting and importing POI data" below.

Select this menu item to remove all imported POI data from the myPOIs memory of the Infotainment system.

Note

It is not possible to directly remove individual imported points of interest from the myPOIs memory.

If you want to remove individual imported POIs: import updated POI data to the Infotainment system that do not contain the address data of the regarding POIs.

To remove all imported POIs of a certain category: import an empty POI data file of the regarding category to the Infotainment system.

Export POIs

Exports all POI data stored in the myPOIs memory of the Infotainment system to a USB drive connected to the USB port ↻ 129, see "Exporting and importing POI data" below.

Delete Home address

Deletes the currently set home address (displayed in the **Enter destination** menu, see chapter "Destination input" ↻ 143).

Exporting and importing POI data

Introductory explanations

Types of POI data

The Infotainment system provides the following types of points of interest data:

- Predefined **Points of Interest** stored on the map SD card and indicated by icons on the map display.

You can store such predefined POIs in the address book or as individual POIs in the myPOIs memory of the Infotainment system, see below.

- **Favourite destination addresses** that were stored in the **Address book**.

You can export these address book data to a USB drive for later use, e.g., in other cars.

- **Individual POIs:** favourite destination addresses that were stored in the myPOIs memory.

You can export these individual POI data to a USB drive for later use, e.g., in other cars.

- **User defined POIs:** favourite destination addresses that you defined via GPS coordinates (taken, e.g., from a topographical map) and that you entered into text files.

You can store these user defined POI data on a USB drive and later import the data to the myPOIs

memory of the Infotainment system, see below.

- **Imported POIs:** favourite destination addresses that were previously stored on a USB drive and then imported to the myPOIs memory of the Infotainment system.

Advantages of POI export and import

The export and import of points of interest data offer you, e.g., the following advantages:

- Define and store your favourite destination addresses only once, and later use these address data in other cars.

See "Exporting and importing individual POIs and address book entries" below.

- Define your favourite destination addresses conveniently at home, and later use them in your car.

See "Creating and importing user defined POIs" below.

- Clearly arrange a large amount of destination addresses, e.g., favourite destination addresses of

other family members or destination addresses for your next journey or business trip in separate submenus.

See "Organizing the POI data in several subfolders" below.

Exporting and importing individual POIs and address book entries

Brief description:

1. Connect a USB drive to the USB port of your car's Infotainment system.
2. Store (export) your favourite destination addresses on the USB drive.
3. Connect the USB drive to the USB port of a car equipped with a Navi 600 or Navi 900 system.
4. Download (import) the address data to the car's Infotainment system.

After the import, the addresses can be selected as destinations for route guidance.

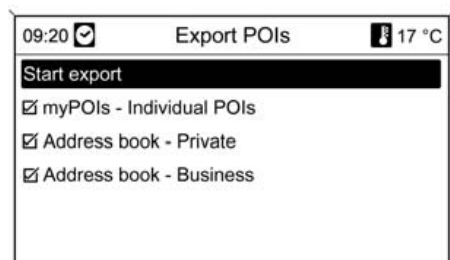
Detailed descriptions see below.

Exporting POI data to a USB drive

Connect a USB drive to the USB port of the Infotainment system, see chapter "USB port" ↗ 129.

Press the **CONFIG** button, select **Navigation settings** and then select **Export POIs**.

The **Export POIs** menu is displayed.



By default all individual POIs stored in the myPOIs memory and all address book entries will be exported.

If desired, deselect the address data types that you do not want to be exported.

Select **Start export** to store the address data of the selected type(s) on the connected USB drive.

The address data will be stored in a folder named **myPOIs** that is located in the root directory of the USB drive.

For each exported POI category, e.g. **Restaurant** or **Private**, you will find a correspondingly named file in that folder.

Examples:

F:\myPOIs\Restaurant_3.poi or
F:\myPOIs\Private_1.poi, where **F:** is the root directory of the USB drive.

Note

If files with POI data of the same category are already stored on the USB drive in the **myPOIs** folder, these old file versions will be overwritten by equally named new file versions.

The folder **myPOIs** and the files with POI data should not be renamed or moved into another folder on the USB drive. Otherwise the Infotainment system will not be able to import the address data again.

Importing POI data from a USB drive

Connect a USB drive with POI data stored on it (details see above) to the USB port of the Infotainment system, see chapter "USB port" ↗ 129.

To start the import: press the **CONFIG** button, select **Navigation settings**, select **Import individual POIs** and then select **Continue**.

All POI data stored on the USB drive is imported to the myPOIs memory of the Infotainment system.

After the import is finished, the imported POIs are selectable as destinations via the **Enter destination** menu, see chapter "Destination input" ↗ 143.

Creating and importing user defined POIs

User defined points of interest need to be defined via GPS coordinates that can be taken, e.g., from a topographical map.

The GPS coordinates and further address data need to be entered into text files, each file representing a POI category.

Brief description:

1. Create the text files for the POI data.
2. Enter the desired address data into the text files.
3. Store the text files with your POI data on a USB drive.
4. Connect the USB drive to the USB port of your car's Infotainment system.
5. Download (import) the text files with your POI data to the Infotainment system.

After the import, the addresses can be selected as destinations for route guidance.

Detailed descriptions see below.

Creating the text files for POI data

You can assign your favourite destination addresses to 20 different POI categories, with each POI category assigned a number, see "POI categories and assigned numbers" below.

For each POI category you need to create a separate text file.

The text files can be created, e.g., by using a simple text editor software.

Note

The text editor must support the UTF-8 character encoding for Unicode.

Each text file name need to consist of the category name, a single underscore, the category's number and the file extension .poi.

Example file names:

- Business_2.poi
- Home & Living_8.poi
- Culture_15.poi

Note

The length of the text file names is limited to 32 characters.

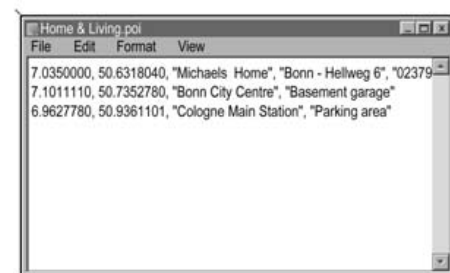
POI categories and assigned numbers:

(1) Private, (2) Business, (3) Restaurant, (4) Hotel, (5) Automotive, (6) Travel, (7) Cinema, (8) Home & Living, (9) Shopping, (10) Craft, (11) Sport, (12) Sight, (13) Health care, (14) Leisure, (15) Culture, (16) Nightlife, (17)

Communication, (18) News & broking, (19) Government office, (20) General.

Entering POI data into the text files

The image below shows a sample text file named **Home & Living_8.poi** with some sample POI data:



The POI data need to be entered into the text files in the following format:

Longitude coordinate, Latitude coordinate, "Name of POI", "Any additional information", "Phone number (optional)"

Example: 7.0350000, 50.6318040, "Michaels Home", "Bonn - Hellweg 6", "02379234567", see image above.

The GPS coordinates need to be expressed in decimal degrees.

The maximum length of the POI name is 60 characters. The same applies to the additional information string and the phone number string.

The POI data of each destination address need to be entered in a single separate line, see image above.

Storing the text files on a USB drive

The text files with POI data need to be stored in a folder named **myPOIs** that is located in the root directory of the USB drive.

Example: F:\myPOIs\Home & Living_8.poi, where F:\ is the root directory of the USB drive.

After importing the individual POI data to the Infotainment system (see import description further below), the **Imported POIs** menu will show a list of selectable POI categories like the following:

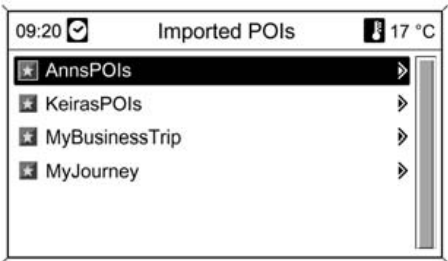


Organizing the POI data in several subfolders

Optionally you can organize the text files in several, arbitrary named, subfolders.

Examples: F:\myPOIs\AnnsPOIs or F:\myPOIs\MyJourney, where F:\ is the root directory of the USB drive.

After importing individual POI data organized in that way to the Infotainment system (see import description further below), the **Imported POIs** menu will show a list of selectable submenus like the following:



After selecting a submenu, the related list of imported POI categories will be displayed.

Importing the POI data to the Infotainment system

Connect the USB drive with your individual POI data to the USB port of the Infotainment system, see chapter "USB port" ⇨ 129.

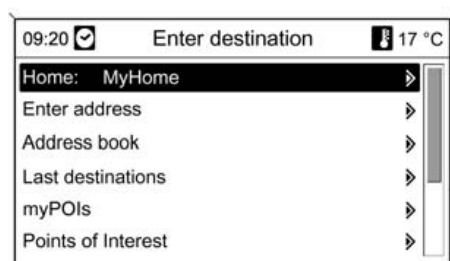
To start the import: press the **CONFIG** button, select **Navigation settings**, select **Import individual POIs** and then select **Continue**.

All POI data stored on the USB drive is imported to the myPOIs memory of the Infotainment system.

After the import is finished, the imported POIs are selectable as destinations via the **Enter destination** menu, see chapter "Destination input" below.

Destination input

Press the **DEST** button to open a menu with various options for entering or selecting a destination.



- **Home:** selection of the currently set home address (if available). Setting/changing the home address, see "Setting the home address" below.

After selecting the home address, the Infotainment system immediately calculates a route from the current position to the home address and then starts route guidance.

- **Enter address:** direct entry of a destination address with country, city, street and house number. See "Entering an address directly" below.
- **Address book:** selection of a destination address stored in the address book. See "Selecting an address from the address book" below.
See also "Storing an address in the address book or myPOIs memory" and "Editing or deleting a stored address" below.
- **Last destinations:** selection from a list of recently selected destinations. See "Selecting a previous destination" below.
- **myPOIs:** selection of a destination address stored in the myPOIs memory. See "Selecting an

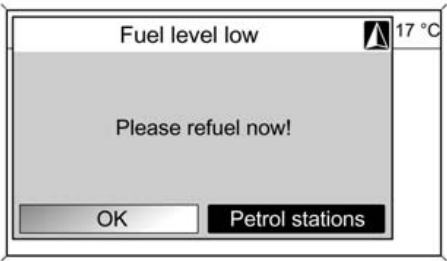
address stored in the myPOIs memory" below.

See also "Storing an address in the address book or myPOIs memory" and "Editing or deleting a stored address" below.

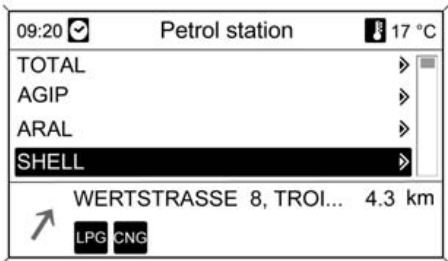
- **Points of Interest:** selection of POIs (addresses of, e.g., restaurants, petrol stations, hospitals etc.) stored on the map SD card of the Infotainment system. See "Selecting a point of interest" below.
- **Select from map:** selection of a destination from the map display using the eight-way switch ↻ 93. See "Selecting a destination from the map" below.
- **Latitude / Longitude:** selection of a destination using geographic coordinates. See "Selecting a destination via geographic coordinates" below.

Selecting a petrol station as destination after a Fuel level low alert

When the fuel level in the vehicle's tank is low, an alert message is displayed.

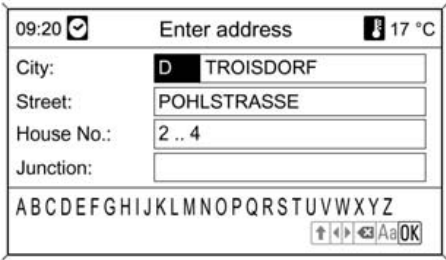


To start a search for petrol stations close to the vehicle's current position: select **Petrol stations**.
After the search is finished, a list of all found petrol stations is displayed.

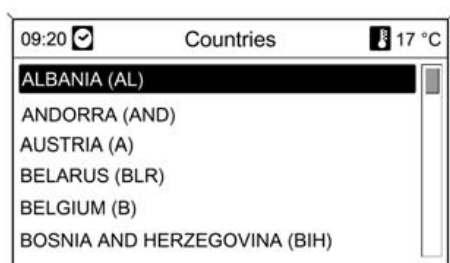


Below the list detailed information on the currently marked petrol station is displayed: the approximate direction to the petrol station, the address, the distance and the available fuel types (in addition to petrol and Diesel).
Abbreviations used for fuel types:
CNG (Compressed natural gas),
LPG (Liquefied petroleum gas).
Starting route guidance to a petrol station
Select the desired petrol station.
The **Navigation** menu is displayed.
Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ↗ 156.
Entering an address directly
Press the **DEST** button and then select **Enter address** to open the menu shown below.



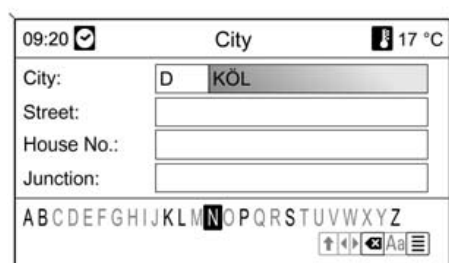
To change/select the country: mark the country input field (see image above) and then press the **MENU** knob to open the **Countries** menu.



Select the desired country.

Entering an address using the speller function

Mark the **City:** input field and then press the **MENU** knob to activate the speller function.



Using the **MENU** knob, successively mark and accept the letters for the desired city. During this process the system will automatically block letters that cannot occur next in the city name.

The following symbols can be selected in the bottom line:

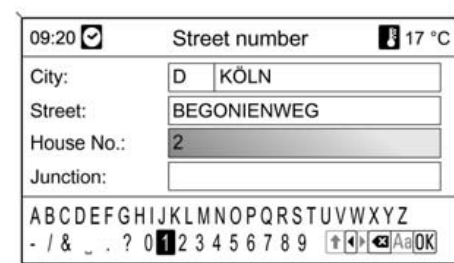
- ↑ : Lists with special letters are displayed in the bottom line.
- ◀▶ : Previous/next letter is marked.
- ✕ : Delete last letter.
- Aa : Upper, lower case.

☰ : List function - once two letters have been entered (in some cases just one letter), all names available with these letters are displayed. The more letters are entered, the shorter becomes the list.

OK : Complete entry or accept search term.

By a long press on the **BACK** button all letters entered are deleted at once from the input line.

Repeat the process for the remaining input fields (entering a house number or junction is optional).



After completing the address, select **OK**.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ↗ 156.

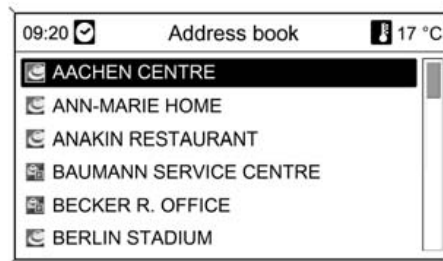
Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Selecting an address from the address book

Press the **DEST** button and then select **Address book**.



Select the desired address book entry.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ↗ 156.

Selecting a previous destination

Press the **DEST** button and then select **Last destinations** to open the menu shown below.



A list of the most recently used destination addresses is displayed.

Select the desired destination.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ↗ 156.

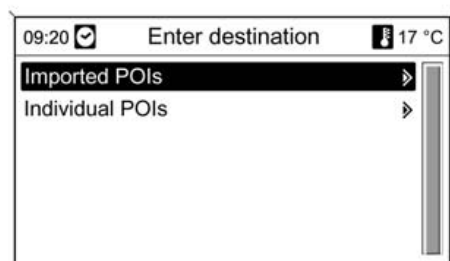
Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Selecting an address stored in the myPOIs memory

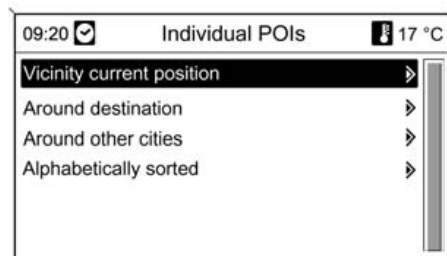
Press the **DEST** button and then select **myPOIs** to open the menu shown below.



Note

The option **Imported POIs** is only selectable if points of interest (address) data were downloaded from a USB drive, see "Exporting and importing POI data" in chapter "Usage" above.

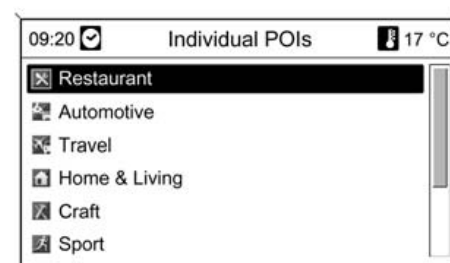
Select the desired option. A menu with various sorting options is displayed.



The sorting options determine in which order the addresses of the individual/imported points of interest will be displayed later.

Select the desired sorting option.

A menu with the currently available points of interest categories is displayed.



Select the desired category.

A menu with a list of all available points of interest of the selected category (e.g. **Restaurant**) is displayed.

Note

Points of interest which are far away from the vehicle's current position may not be displayed in the list.

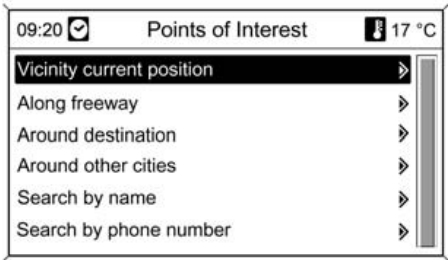


Below the list detailed information on the currently marked point of interest is displayed: the approximate direction to the point of interest, the address and the distance.

Starting route guidance to a point of interest
Select the desired point of interest. The **Navigation** menu is displayed. Select **Start navigation** to start route guidance to the displayed address. Description on route guidance, see chapter "Guidance" ⇨ 156.

Selecting a point of interest

Press the **DEST** button and then select **Points of Interest**. A menu with various options for the selection of points of interest (e.g. restaurants, petrol stations, hospitals etc.) is displayed.

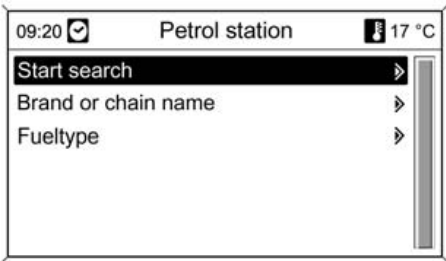


Vicinity current position

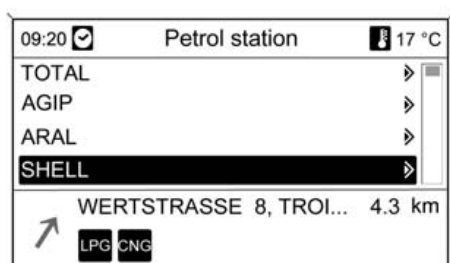
Selection of points of interest close to the vehicle's current position. After selecting the option, a list of all available points of interest categories is displayed. For example, you are looking for a petrol station:

Select Petrol station.

A menu is displayed that provides options for further refinement of the petrol station search.



After selecting **Start search**, a search for all petrol stations in the area is started. The search takes into account all petrol stations that meet the currently set filter criteria for **Brand or chain name** and **Fueltype** (changing the filter criteria, see "Setting filters for search refinement" below). After the search is finished, a list of all found petrol stations is displayed.

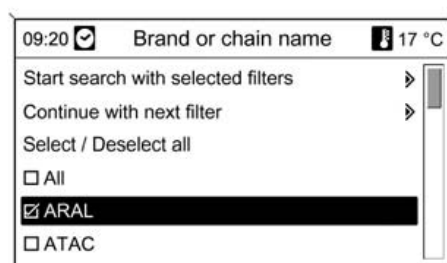


Below the list detailed information on the currently marked petrol station is displayed: the approximate direction to the petrol station, the address, the distance and the available fuel types (in addition to petrol and Diesel).

Abbreviations used for fuel types:
CNG (Compressed natural gas),
LPG (Liquefied petroleum gas).

Setting filters for search refinement

After selecting **Brand or chain name**, a list is displayed with all available petrol station brands/chains in the area.



The number of petrol stations can be reduced by marking at least one petrol station brand/chain.

After marking the desired brands/chains: select **Start search with selected filters** or, for further refinement of the search, select **Continue with next filter** (fuel types).

After selecting **Fueltype**, a list is displayed with all fuel types available (in addition to petrol and Diesel) at petrol stations in the area.

The number of petrol stations can be reduced by marking at least one fuel type.

After marking the desired fuel types: select **Start search with selected filters** or, for further refinement of the search, select **Continue with next filter** (petrol station brands/chains).

After starting a search, a list of all petrol stations that meet the previously selected filter criteria is displayed.

Select the desired petrol station.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ↗ 156.

Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Along freeway

Selection of motorway related points of interest (e.g. petrol stations or service areas) along the route. Only available when you are currently driving on a motorway.

Selecting a point of interest: see example above for „Vicinity current position“.

Around destination

Selection of points of interest close to the destination entered.

Selecting a point of interest: see example above for „Vicinity current position“.

Around other cities

Selection of points of interest around any city.

After selecting the option, a country list is displayed.

Select the desired country. A menu for entering a city name is displayed.



Enter the desired city using the speller function, see "Entering an address using the speller function" above.

Once the entry is specific enough, a list with possible cities is displayed. Sometimes it may be necessary to select  for displaying the list.

Select the desired city. A menu appears on which the points of interest close to the selected city are listed by category.

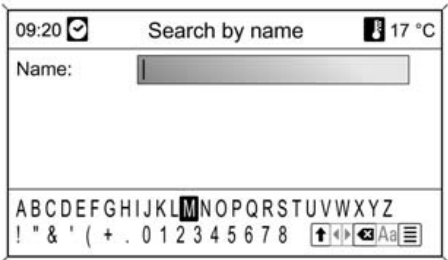
Selecting a point of interest: see example above for „Vicinity current position“.

Search by name

Selection of points of interest by entering a name.

After selecting the option, a country list is displayed.

Select the desired country. A menu for name input is displayed.



Enter the name of the desired point of interest using the speller function, see "Entering an address using the speller function" above.

Once the entry is specific enough, a list with possible points of interest is displayed. Sometimes it may be necessary to select  for displaying the list.

Select the desired point of interest. The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ⇨ 156.

Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

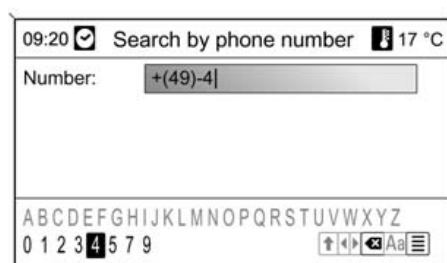
The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Search by phone number

Selection of points of interest by entering a telephone number.

After selecting the option, a country list is displayed.

Select the desired country. A menu for number input is displayed.



Enter the desired telephone number using the speller function, see "Entering an address using the speller function" above.

Once the entry is specific enough a list with possible telephone numbers (each number representing a point of interest) is displayed. Sometimes it may be necessary to select  for displaying the list.

Select the desired point of interest.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ⇨ 156.

Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Selecting a destination from the map

Press the **DEST** button and then select **Select from map**.

A menu with a map showing the area around the current location is displayed.



Note
The map scale can be changed by turning the **MENU** knob.

Using the eight-way switch on the **MENU** knob ↻ 93 position the crosswire on a destination on the map.

Press the **MENU** knob to confirm the selection.

The **Navigation** menu is displayed.

Starting route guidance
Select **Start navigation** to start route guidance to the displayed address.

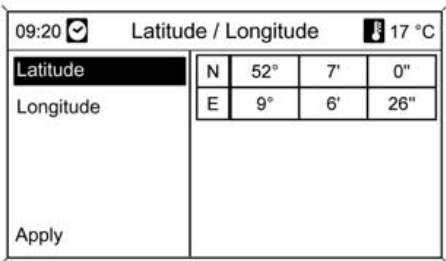
Description on route guidance, see chapter "Guidance" ↻ 156.

Storing the address
Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Selecting a destination via geographic coordinates
Press the **DEST** button and then select **Latitude / Longitude**.

A menu that allows the input of geographic coordinates as destination address is displayed.



- Entering the Latitude coordinate**
1. Select **Latitude**.
 2. Turn the **MENU** knob to select **N** or **S** (north or south of the equator).
 3. Press the **MENU** knob to confirm the selection.
 4. Turn the **MENU** knob to enter the desired degrees of latitude.
 5. Press the **MENU** knob to confirm the entry.
 6. Enter the desired values for the latitude minutes and seconds.

Entering the Longitude coordinate

1. Select **Longitude**.
2. Turn the **MENU** knob to select **W** or **E** (west or east of the prime meridian in Greenwich).
3. Press the **MENU** knob to confirm the entry.
4. Enter and confirm the desired values for the longitude degrees, minutes and seconds.

Select **Apply** to confirm the displayed coordinates.

The **Navigation** menu is displayed.

Starting route guidance

Select **Start navigation** to start route guidance to the displayed address.

Description on route guidance, see chapter "Guidance" ⇨ 156.

Storing the address

Select **Store** if you want to store the displayed address in the address book or myPOIs memory.

The **Store** menu is displayed, see "Storing an address in the address book or myPOIs memory" below.

Storing an address in the address book or myPOIs memory

The Infotainment system provides two separate memory areas where you can store your favourite destination addresses: the address book and the myPOIs memory.

Before storing an address in one of these memory areas, you need to assign the address to a category:

- If you want to store an address in the address book, you need to assign the address to the categories **Private** or **Business**.
- If you want to store an address in the myPOIs memory, you can choose from 18 categories (e.g. **Restaurant**, **Travel** or **Culture**).

Storing an address in the address book

Press the **DEST** button to open the **Enter destination** menu, and then select an option for the input or selection of a destination address (e.g. **Enter address** or **Last**

destinations), see regarding descriptions on address input or selection above.

After entering or selecting the desired destination address, the **Navigation** menu is displayed.

Select **Store**.

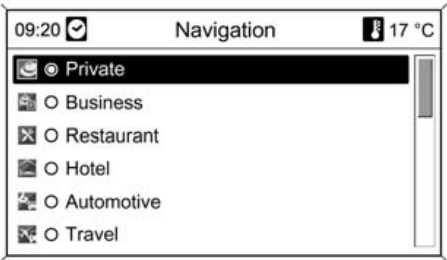
The menu **Store** is displayed, with the previously entered or selected destination address as default name.

The default name can be changed (see example in the image below) using the speller function, see "Entering an address using the speller function" above.

A telephone number can be entered optionally.

The default category **Private** can be changed to **Business**:

Select the displayed category to open a menu with a list of all available address categories.



Note
If you select another category than **Private** or **Business**, the destination address will be stored in the myPOIs memory not in the address book.

Select **Business**.

The menu **Store** is displayed again.

Select **OK** to store the destination address in the address book using the displayed name and category.

A maximum of 100 destination addresses can be stored in the address book.

Storing an address in the myPOIs memory

Storing a destination address in the myPOIs memory functions the same as described above for the address book.

The only difference: select a category different from **Private** or **Business**, e.g. **Restaurant**, **Automotive** or **Shopping**.

Note
If you select one of the categories **Private** or **Business**, the destination address will be stored in the address book not in the myPOIs memory.

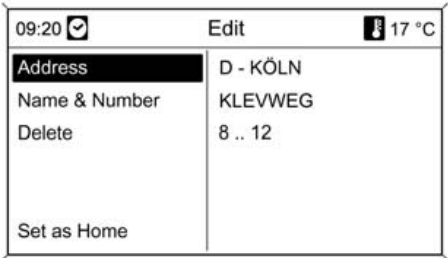
Editing or deleting a stored address

Address data (including the category and telephone number) stored in the address book or myPOIs memory can be edited or entirely deleted at any time.

Editing or deleting an address book entry

Press the **DEST** button, select **Address book**, select the desired address entry and then select **Edit**.

The **Edit** menu is displayed.



The following options are available:

- **Address:** opens the **Enter address** menu. You can edit the displayed address using the speller function, see "Entering an address using the speller function" above.

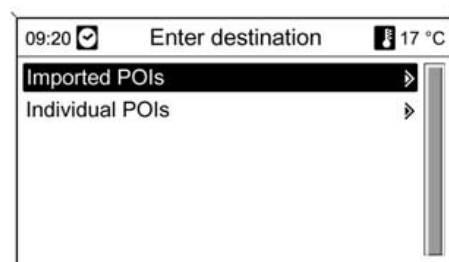
After confirming the edited address, the **Navigation** menu is displayed again.

If you want to edit also the name or change the category, you need to select the regarding address in the address book again, see above.

- **Name & Number:** after selecting this option, you can edit the name of the address book entry, edit the telephone number or select a new category, see "Storing an address in the address book" above.
- **Delete:** deletes the displayed address from the address book.
- **Set as Home:** sets the displayed address as home address, see "Setting the home address" below.

Editing or deleting a myPOIs entry

Press the **DEST** button and then select **myPOIs** to open the menu shown below.



Editing or deleting Individual POIs

Select **Individual POIs**, select the desired sorting option (e.g. **Vicinity current position**), select the desired category (e.g. **Restaurant**), select the desired address and then select **Edit**.

The **Edit** menu is displayed.

Editing or deleting the displayed myPOIs entry functions the same as described for an address book entry, see above.

Notes on Imported POIs

Imported points of interest (POIs downloaded from a USB drive) cannot be edited directly.

If you want to edit the address data of an imported POI:

- You first need to store the address in the address book or as an individual point of interest. Then you can edit the address data of the regarding address book entry or myPOIs entry (selectable via **Individual POIs**).
- Or you can import updated address data from a USB drive, see "Exporting and importing POI data" in chapter "Usage" above.

It is also not possible to directly remove the address data of individual imported points of interest from the myPOIs memory.

If you want to remove individual imported POIs:

Import updated POI data to the Infotainment system that do not contain the address data of the POIs which you want to be removed.

To remove all imported POIs of a certain category: import an empty POI data file of the regarding category.

Descriptions on importing POI data, see "Exporting and importing POI data" in chapter "Usage" above.

Deleting all imported POIs at once:

Press the **CONFIG** button, select **Navigation settings** and then select **Delete all imported POIs**.

Setting the home address

Before you can set an address as home address, you need to store this address in the address book or myPOIs memory, see corresponding descriptions above.

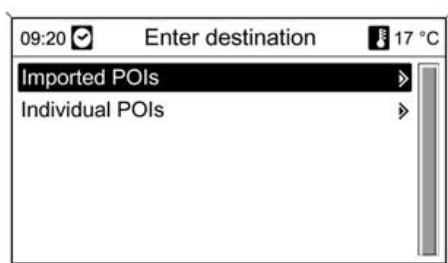
Setting an address book entry as home address

Press the **DEST** button, select **Address book**, select the desired address entry, select **Edit** and then select **Set as Home**.

The displayed address is set as new home address and displayed as first option in the **Enter destination** menu.

Setting a myPOIs entry as home address

Press the **DEST** button and then select **myPOIs** to open the menu shown below.



Setting an individual POI as home address

Select **Individual POIs**, select the desired sorting option (e.g. **Vicinity current position**), select the desired category (e.g. **Restaurant**), select the desired address, select **Edit** and then select **Set as Home**.

The displayed address is set as new home address and displayed as first option in the **Enter destination** menu.

Notes on Imported POIs

Imported points of interest (POIs downloaded from a USB drive) cannot be set as home address directly.

If you want to set the address of an imported POI as home address:

You first need to store the address in the address book or as an individual point of interest.

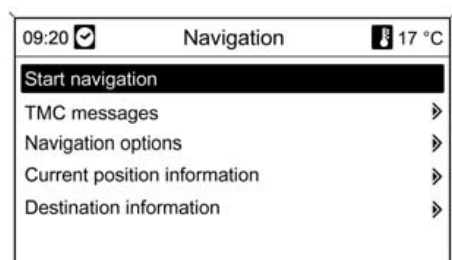
Then you can set the address data of the regarding address book entry or myPOIs entry (selectable via **Individual POIs**) as home address.

Guidance

Press the **NAV** button and then the **MENU** knob to display the navigation main menu.

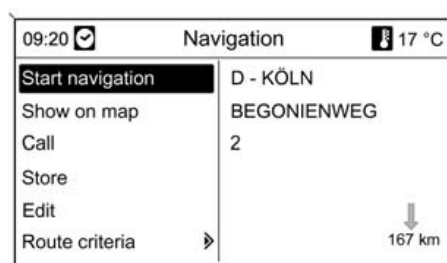
Depending on whether the route guidance is currently inactive or active, different menu options are available.

Functions with route guidance inactive



Start navigation

After selecting **Start navigation** the menu shown below is displayed.



The following options are available:

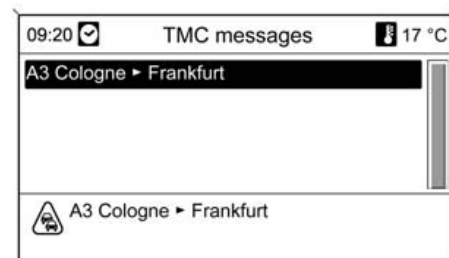
- **Start navigation:** start route guidance to the displayed address.
- **Show on map:** show the location of the displayed address on the map.
- **Call:** not available.
- **Store:** store the displayed address in the address book or myPOIs memory, see "Storing an address in the address book or myPOIs memory" in chapter "Destination input" above.

- **Edit:** change/edit the displayed address, see "Editing or deleting a stored address" in chapter "Destination input" above.
- **Route criteria:** set/change criteria for route calculation, see "Navigation options" below.

TMC messages

Information on TMC, see chapter "Dynamic guidance" ↗ 133.

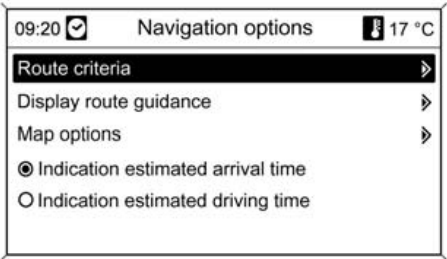
Select **TMC messages** to display a list of all TMC traffic messages that are currently received.



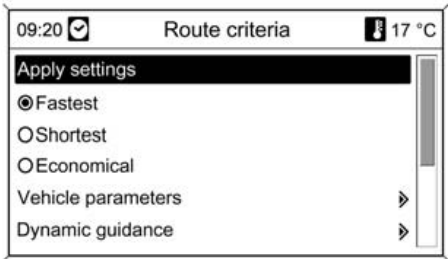
Select a TMC traffic message to display detailed information on the related traffic issue.

Navigation options

The corresponding menu provides options and a multitude of relating submenus for route guidance configuration.



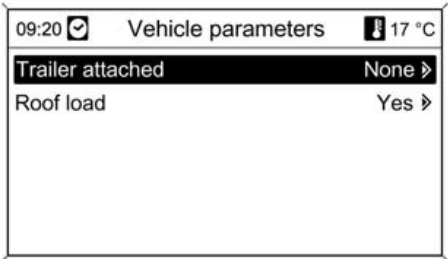
Route criteria



The calculation of the route can be controlled by various criteria. Select one of the following criteria:

- **Fastest**
- **Shortest**
- **Economical:** an energy-optimized route is calculated, taking into account the vehicle-specific parameters that are currently set in the **Vehicle parameters** menu, see below.

Select **Vehicle parameters** to open a menu for the selection of vehicle-specific parameters.

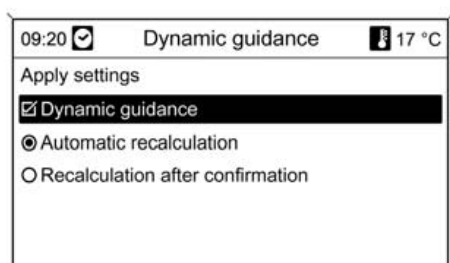


The selected settings will be taken into account for route calculation, if **Economical** is currently selected, see above.

After setting the desired vehicle parameters, press the **BACK** button to leave the menu.

Select **Dynamic guidance** to open a menu for the configuration of dynamic route guidance.

Information on dynamic route guidance, see chapter "Dynamic guidance" ↗ 163.



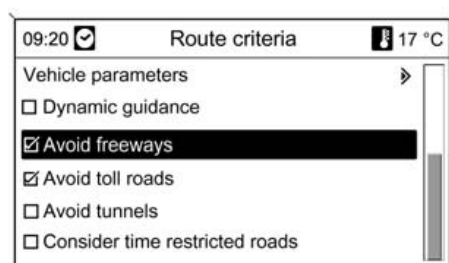
Select **Dynamic guidance** to activate/deactivate dynamic route guidance.

If dynamic route guidance is activated:

Select **Automatic recalculation** if you want the route be recalculated automatically when there are traffic problems.

Select **Recalculation after confirmation** if you want the route be recalculated only after confirming the corresponding message.

Select **Apply settings** to activate the displayed settings and to leave the menu.

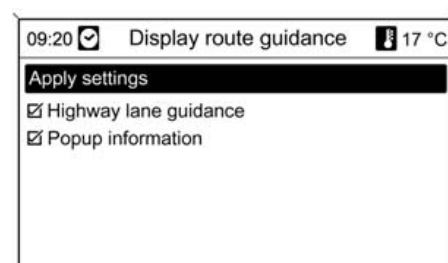


If desired select one or several of the following options in the **Route criteria** menu:

- **Avoid freeways**
- **Avoid toll roads**
- **Avoid tunnels**
- **Avoid ferries**
- **Consider time restricted roads**

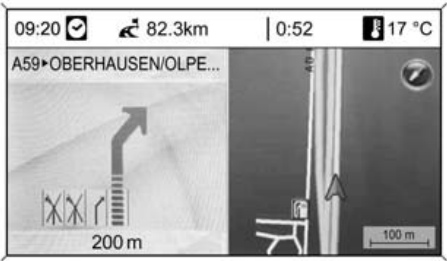
Display route guidance

The following options are available for the display of route guidance:

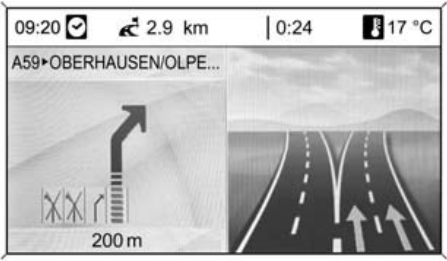


Using the **Highway lane guidance** option, you can determine which type of illustration should be displayed when reaching a highway intersection.

If **Highway lane guidance** is deactivated the following type of illustration will be displayed:



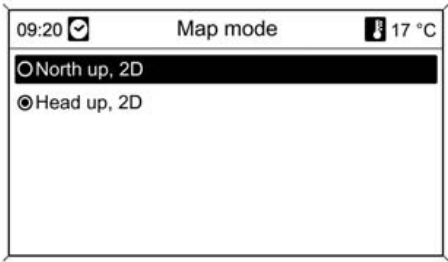
If **Highway lane guidance** is activated the following type of illustration will be displayed:



Using the **Popup information** option, you can select whether route guidance information from the navigation should be displayed in popup windows in other operating modes (e.g. radio). The information is hidden after a set time or by pressing the **BACK** button.

Select **Apply settings** to activate the displayed settings and to return to the **Navigation options** menu.

Map options
Select **Map options** and then **Map mode** to display the following submenu:



Select between map orientation north up and head up on the map display.

Select **Map options** and then **Show POIs on map** to open a submenu with various options to define whether and which points of interest should be displayed on the map.

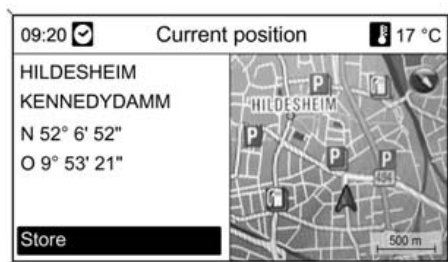
When **User defined** is selected the type of points of interest can be defined that should be displayed, e.g. restaurant, hotel, public places, etc.

Display of arrival time or driving time
After selecting the option **Indication estimated driving time** or **Indication estimated arrival time** in the menu **Navigation options**, the corresponding time is shown in the top line on the route guidance screen.

Current position information
The following information on the current position is displayed:

- City
- Street name
- Latitude

- Longitude
- Map display

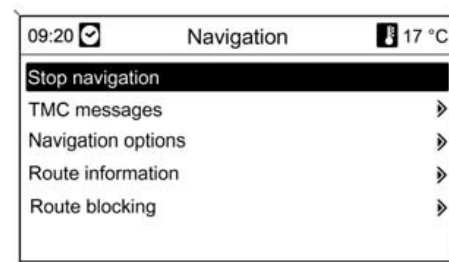


The current position can be copied to the address book or myPOIs memory using **Store**, see "Storing an address in the address book or myPOIs memory" in chapter "Destination input" above.

Destination information

Displayed information: same as on the display for **Current position**.

Functions for active route guidance



Stop navigation

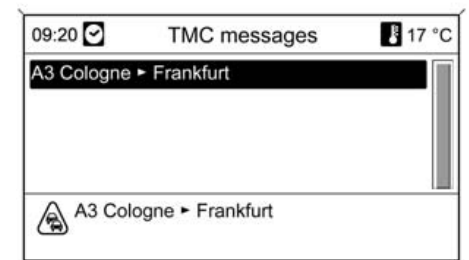
After selecting **Stop navigation**, the route guidance is deactivated and the menu options for route guidance inactive are displayed, see "Functions with route guidance inactive" above.

TMC messages

Information on TMC, see chapter "Dynamic guidance" ⇨ 133.

After selecting **TMC messages** the **Filtering** menu is displayed.

Select whether **All traffic messages** or only **Traffic messages along route** should be displayed in the **TMC messages** list, see below.



Navigation options

Description, see "Functions with route guidance inactive" above.

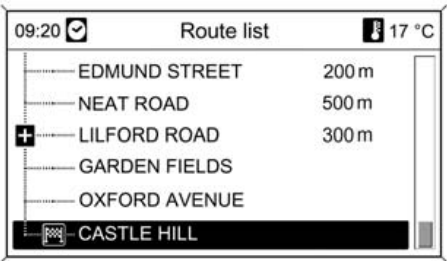
Route information

The following information can be accessed on the **Route information** menu:

- **Route list**
- **Current position information**

- Destination information
- Overview current route

Route list



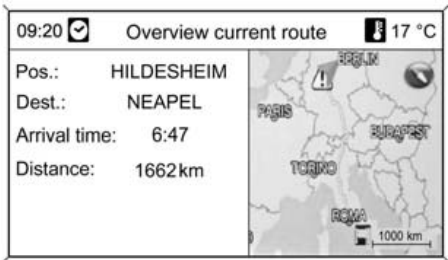
All streets on the calculated route are listed with the related distances.

Route list items marked with a "+" symbol can be expanded by selecting the related list item. After selection, further details on the related list item are displayed.

Current position information
Description, see "Functions with route guidance inactive" above.

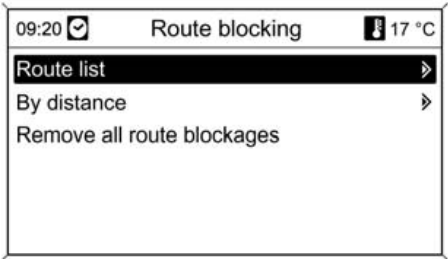
Destination information
Description, see "Functions with route guidance inactive" above.

Overview current route
The following information on the current route is displayed:

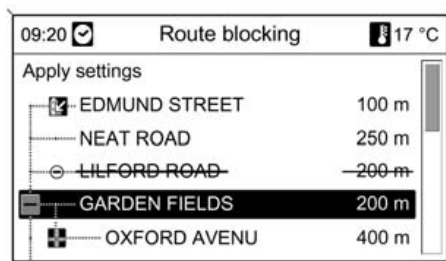


- Position
- Destination
- Arrival time
- Distance
- Map display

Route blocking
The following options are available to manually exclude certain areas/route sections from the route guidance:



Route list
In the list of street names on the currently calculated route, streets can be excluded from the route guidance.



To exclude a street from the route guidance:

Mark the regarding street name and press the **MENU** knob. The street name is displayed crossed-out.

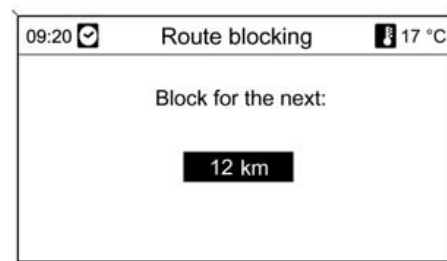
If desired, exclude further streets from the route guidance.

Select **Apply settings** and confirm the displayed message.

The route is re-calculated, taking into account the excluded streets.

By distance

By setting a distance the section of route from the current position to the set distance can be excluded from the route guidance.



Set the desired distance, press the **MENU** knob and then confirm the displayed message.

The route is re-calculated taking into account the excluded route section.

Note

The route blocking entered remains active until a new route calculation is performed.

Remove all route blockages

After selecting this option, all areas/ route sections previously selected as to be excluded from the route guidance will be taken into account again for route guidance.

Dynamic guidance

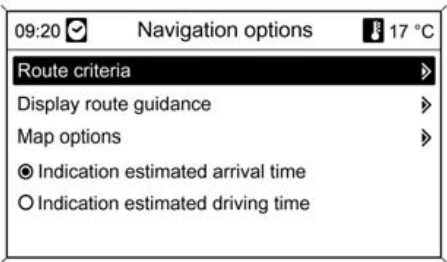
If dynamic route guidance is active, the entire current traffic situation that the Infotainment system receives via TMC is included in the calculation of the route. The route is suggested taking into account all traffic problems or restrictions as per pre-set criteria (e.g. „shortest route“, „avoid freeways“ etc.).

In the case of a traffic problem (e.g. traffic jam, closed road) on the route driven, a message is displayed and a voice message output indicating the nature of the problem. The driver can decide whether to drive around the traffic problem taking the suggested change to the route or to carry on through the traffic problem.

Nearby traffic problems are also reported if route guidance is not active.

If route guidance is active, the system continuously checks, based on the traffic information, whether it would be better to recalculate the route or take an alternative route taking into account the current traffic situation.

The activation and deactivation of dynamic route guidance, as well as criteria for the calculation of the route and other settings for navigation, are made in the **Navigation options** menu, see chapter "Guidance" ⇨ 156.



Dynamic route guidance only works if traffic information is received via the RDS-TMC traffic information system.

The possible delay due to a traffic problem calculated by the Infotainment system is based on data that the system receives via the RDS-TMC station currently set. The actual delay may be different to that calculated.

Maps

All map data required for use of the navigation system is stored on an SD card provided with the Infotainment system.

Map SD card

The SD card reader of the Infotainment system can only read the SD card provided specifically for use with the vehicle's navigation system. The SD card reader cannot read any other SD cards.

Due to production date of the map data on the SD card, some new roads may not be included, or some names

and roads may differ from those in use at the time the map data was produced.

To order additional SD cards or an update of the map data, contact your Chevrolet Service Partner.

Replacing a map SD card, see below .

Important information on SD card handling

Caution
Never attempt to use an SD card that has been cracked, deformed or repaired using adhesive tape. Doing so may damage the equipment.

- Handle the SD card with care. Never touch the metal contacts.
- Do not use any conventional cleaner, benzine, thinner, or antistatic spray.
- If you need to clean the SD card, use a soft cloth.

- Do not bend the SD card. Do not use any SD card that is bent or cracked.
- Do not put any sticker or write anything on either surface.
- Do not store the SD card in locations exposed to direct sunlight, or in high temperatures or humidity.
- Always place the SD card in its storage case, when not in use.

Replacing a map SD card

The SD card slot is located under the hinged instrument panel on the centre console.



Push the button up and then fold up the instrument panel.

Removing the SD card



Press on the inserted SD card to unlock it, and then carefully pull the SD card out of the SD card slot.

Inserting the SD card



Push the SD card with the cut-out edge on the left side (see image above) carefully into the SD card slot until the card engages.

Note

The SD card and SD card slot must always be kept clean and dry.

Symbols overview



1



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No.	Explanation	No.	Explanation
1	Current position (map)	18	Closed list
2	Destination	19	Shopping centre
3	Current position (route list)	20	Toll road
4	not available	21	Tourist information
5	not available	22	Sight
6	Fog	23	Sport & leisure
7	Road works	24	Going out
8	Slippery road	25	Museum
9	Smog	26	Car rental
10	Snow	27	Travel information
11	Storm	28	Leisure activity
12	Caution/warning	29	Provision of services
13	Closed road	30	Cash machine
14	Dense traffic	31	Bus station
15	Traffic jam	32	Camp site
16	Narrow lanes		
17	Open list		



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No.	Explanation
33	Chemist
34	Cinema
35	Airport
36	Amusement park
37	City
38	Bank
39	Traffic message
40	Ferry
41	Border
42	Tunnel
43	Kiosk
44	Grocery
45	Hotel/motel
46	Motorway exit
47	Car park
48	Park & ride
49	Multi-storey car park

No.	Explanation
50	Petrol station
51	Service area
52	Restaurant
53	WC
54	Historical monument
55	Hospital
56	Emergency
57	Police
58	Harbour
59	Mountain pass
60	Public place
61	Related to the car
62	Garage
63	Cemetery

Phone

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. Failure to do so could invalidate the vehicle type approval (EU directive 95/54/EC).

Recommendations for fault-free operation:

- Professionally installed exterior antenna to obtain the maximum range possible,
- Maximum transmission power 10 Watts,
- Installation of the phone in a suitable spot, consider relevant Note ↗ 45.

170 Infotainment 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.

Climate control

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Air vents	178
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Climate control systems

Heating and ventilation system



Controls for:

- Temperature
- Air distribution
- Fan speed
- Demisting, defrosting
- Heated rear window

Temperature

Adjust the temperature by turning the knob.

red = warm

blue = cold

Heating will not be fully effective until the engine has reached its operating temperature.

Air distribution

Select air outlet by pushing buttons.

 = to head area and foot well

 = to foot well

 = to head area via adjustable air vents

 = to windscreen and foot well

The selected setting is indicated by a LED in the button.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Demisting and defrosting



- Push button : fan automatically switches to higher speed, the air distribution is directed automatically to 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.

Heated rear window

↪ 30

Indication of settings

Selected functions are active when the LED of the button is on.

Air conditioning system

Warning

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in oxygen content and/or body temperature.



Controls for:

- Temperature
- Air distribution
- Fan speed
- Demisting and defrosting
- Air recirculation 
- Cooling 
- Heated rear window

Temperature

Adjust the temperature by turning the knob.

red = warm

blue = cold

Heating will not be fully effective until the engine has reached its operating temperature.

Air distribution

Select air outlet by pushing buttons.

-  = to head area and foot well
-  = to foot well
-  = to head area via adjustable air vents
-  = to windscreen and foot well

The selected setting is indicated by a LED in the button.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Demisting and defrosting the windows



- Push button : fan automatically switches to higher speed, the air distribution is directed automatically to the windscreen,
- Switch on cooling .

- Set temperature control to warmest level.
- Switch on heated rear window .
- Open side air vents as required and direct them towards the door windows.

Heated rear window

↗ 30

Air recirculation system

The air recirculation mode is operated with the  button.

Warning

Driving with recirculation mode for prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Cooling

Push button . Cooling is functional only when the engine and fan are running.

The air condition system cools and dehumidifies (dries) when outside temperature is slightly above freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch the cooling system off to save fuel.

Maximum cooling



Briefly open the windows so that hot air can disperse quickly.

- Switch on cooling ☀.
- Switch on air circulation system 🚗.
- Push air distribution switch ➡.
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.

Indication of settings

Selected functions are active when the LED of the button is on.

Electronic climate control system

⚠ Warning

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in the oxygen level and/or body temperature.



Controls for automatic mode:

- AUTO** = automatic mode, all settings except temperature are choosen automatically by the system
- Temperature = preselection of the desired temperature

The following functions can be adapted manually, the system is than no longer in automatic mode:

- Fan speed = selectable air flow
- MODE** = selectable air distribution
- = demisting and defrosting
- = switching system on/off
- = switching cooling on or off
- = air recirculation
- AQS** = air quality sensor

Heated rear window ➡ 30.

The preselected temperature is automatically regulated. In the automatic mode the fan speed and air distribution automatically regulate the air flow.

The system can be manually adapted by use of air distribution and fan speed controls.



Each change of settings is indicated in the Info-Display for a few seconds. Activated functions are indicated by the LED in the button.

The electronic climate control system is only fully operational when the engine is running.

Automatic mode AUTO



Basic setting for maximum comfort:

- Press **AUTO** button, the air conditioning is activated automatically.
- Open all air vents.
- Set pre-selected temperature using left rotary knob.

The fan speed regulation in automatic mode can be changed in the menu **Settings**.

Vehicle personalisation ⇨ 82.

All air vents are actuated automatically in automatic mode. The air vents should therefore always be open.

Temperature preselection



Set temperature to the desired value by turning the knob.

red = warm

blue = cold

If the minimum temperature is set, the climate control system runs at maximum cooling.

If the maximum temperature is set, the climate control system runs at maximum heating.

Demisting and defrosting the windows



- Press button .
- Temperature and air distribution are set automatically and the fan runs at higher speed.
- To return to automatic mode: press button .

Switch on heated rear window .

Heated rear window  30.

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



Turn right rotary knob. The selected fan speed is indicated by the number in the display.

To return to automatic mode: Press **AUTO** button.

Air distribution MODE



Press **MODE** button once or more for desired adjustment, the setting of air distribution is indicated on the Info-Display.

-  = to windscreen, head area and foot well
-  = to windscreen and foot well
-  = to foot well
-  = to head area via adjustable air vents
-  = to head area via adjustable air vents and foot well

Return to automatic air distribution:
Deactive corresponding setting or
press button **AUTO**.

Cooling ☀

Activate or deactivate with the ☀
button.

The air condition 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 the cooling system off to save
fuel.

Automatic air recirculation

The automatic air recirculation
system has an air humidity sensor
which switches automatically to
external air, if internal air humidity is
too high.

Manual air recirculation mode

The manual air recirculation mode is
operated with the  button. When
activated, external air inlet is blocked
and internal air is in recirculation
mode.

Warning

The exchange of fresh air is
reduced in air recirculation mode.
In operation without cooling the air
humidity increases, so the
windows may mist up. The quality
of the passenger compartment air
deteriorates, which may cause the
vehicle occupants to feel drowsy.

Air Quality Sensor AQS

The air quality sensor recognizes bad
surrounding air and switches
automatically to internal air.

System switching on or off

Pushing button  switches all
functions of heating, ventilation and
cooling system on or off.

Basic settings

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

Auxiliary heater

Air heater (Diesel vehicle only)

Quickheat is an electric auxiliary air
heater which warms up the
passenger compartment more
quickly.

Air vents

Adjustable air vents

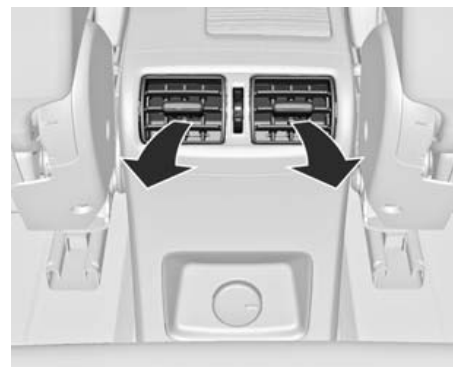
At least one air vent must be open while cooling is on in order to prevent the evaporator from icing up due to lack of air movement.



Turn the adjuster wheel to open or close the vent or to adjust the air amount.



Direct the flow of air by tilting and swivelling the slats.



⚠ Warning

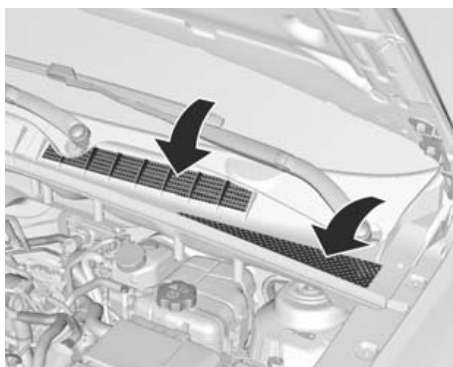
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

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

Manual controlled pollen filter

The filter cleans dust, soot, pollen, spore and smell (combi filter) 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 outside temperature is low.

Service

For optimal cooling performance, it is recommended to annually check the climate control system, starting three years after initial vehicle registration.

- Functionality and pressure test
- Heating functionality

- Leakage check
- Check of drive belts
- Cleaning of condenser and evaporator drainage
- Performance check

Note

Use only approved refrigerant.

⚠ Warning

Climate control systems have to be serviced exclusively by qualified personnel. Improper service methods may cause personal injury.

Driving and operating

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Driving hints

Control of the vehicle

Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Driving with diesel – engined vehicle

The turbocharger elements rotate very fast. If the oil supply to running parts stops, the turbocharger system may be seriously damaged. The owner should be encouraged to observe the following precautions to ensure maximum turbocharger service life.

- After starting the engine, let it run for about 1 to 2 minutes with idle speed (avoid acceleration or driving off the vehicle).
- Do not stop the engine immediately after coming back from the highload driving (such as high speed driving or driving down a long slope). Let the engine run for about 1 to 2 minutes at idle speed to cool it down.
- After changing the engine oil and oil filter, start the engine and let it run for about 1 to 2 minutes with idle speed (avoid acceleration or driving off the vehicle).
- Operate the engine above idle only after normal engine oil pressure has been established. Forcing the turbocharger to operate before the bearings are adequately lubricated creates unnecessary friction.
- Use only the specified engine oil and observe inspection and replacement intervals.
- At low ambient temperature, or when the vehicle has not been used for a long period, normal engine oil

pressure and flow is affected. Under these conditions the engine should be started and allowed to idle for a few minutes before operating at higher rpm.

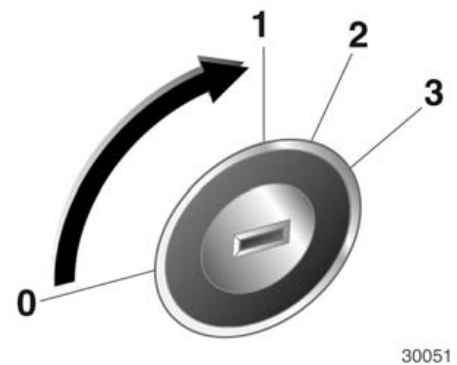
Starting and operating

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.

Ignition switch positions

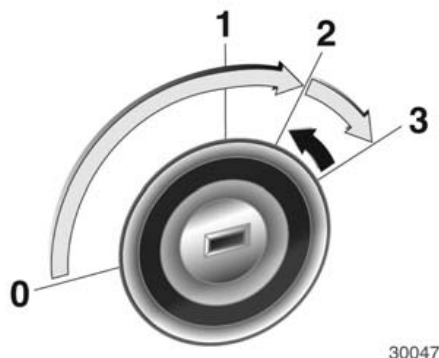


- 0 = Ignition off
- 1 = Ignition off, steering wheel lock released
- 2 = Ignition on, for diesel engine: preheating
- 3 = Starting

Caution

Do not leave the key in the 1 or 2 position for extended periods while the engine is not running. This will discharge the battery.

Do not turn the key to 0 position while driving. Driver could lose control of vehicle and brake power assistance would be cancelled, causing vehicle damage, personal injury or possibly death.

Starting the engine**Starting engine with the ignition switch**

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

- Diesel engine: turn the key to position **2** for preheating until control indicator  goes out.
- Turn key to position **3** and release when engine is running.

To restart the engine, turning the key to position **0** is not necessary. The engine can be switched off by turning to position **1**.

Starting the vehicle at low temperatures

The start of the engine without additional heaters is possible down to -27 °C. Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged battery. With temperatures below -27 °C the automatic transmission need a warming phase of approx. 5 minutes. The selector lever must be in position **P**.

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.

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the footbrake at the same time to reduce operating force.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to **P** before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.
If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to **P** before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle and activate the anti-theft alarm system.

Engine exhaust

⚠ Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Diesel particle filter

The diesel particle filter system filters harmful soot particles out of the exhaust gases. The system includes a self-cleaning function that runs automatically during driving. The filter is cleaned by burning off the soot particles at high temperature. This process takes place automatically under set driving conditions and may take 10 up to 25 minutes. The fuel

consumption may be higher during this period. The emission of smells and smoke during this process is normal.

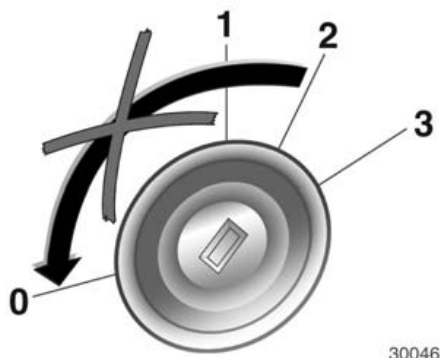


Under certain driving conditions, e.g. short distances, the system cannot clean itself automatically.

If the diesel particle filter requires cleaning or previous driving conditions did not enable automatic cleaning, the Diesel particle filter indicator  illuminates or flashes. Continue driving, maintaining a minimum speed of 50 km/h for about 15 minutes, or until the control

indicator goes off. The indicator will go off as soon as the selfcleaning operation is complete.

If the engine is shut off while this indicator is on or is flashing, increased fuel consumption and a reduction in oil life will occur. Please note that the driver should continue the driving regeneration process until the Diesel particle filter indicator goes off.



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Stopping the journey or switching off the engine during cleaning is not recommended.

Caution

If the cleaning process is interrupted more than once, there is a risk of provoking severe engine damage.

Cleaning takes place quickest at high engine speeds and loads.



The control indicator  extinguishes as soon as the self-cleaning operation is complete.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Fuel grades other than those listed on pages ⇨ 194, ⇨ 247 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 workshop 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 manual gearshifting (manual mode) or automatic gearshifting (automatic mode).

Transmission display



The mode or selected gear is shown in the transmission display.

Selector lever



- P** = Park position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied
- R** = Reverse gear, engage only when vehicle is stationary
- N** = Neutral
- D** = Automatic mode with all gears.

The selector lever is locked in **P**. To move, switch on ignition, apply brake pedal and push release button.

To engage **P** or **R**, push the release button.

To start the engine, press the brake pedal in either **P** or **N** position.

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 when driving downhill.

Rocking the vehicle

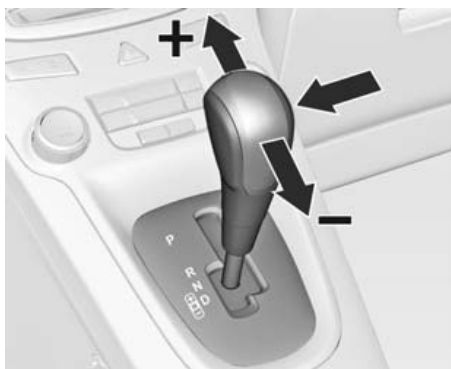
Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **D** and **R** in a repeat pattern. Do not race the engine and avoid sudden acceleration.

Parking

Apply the parking brake, engage **P** and remove ignition key.

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.

If engine speed is too low, the transmission automatically shifts to a lower gear above a specific vehicle speed.

No automatic shifting to a higher gear takes place at high engine revolutions.

In case of rough gear changing, shift up/down several times to induce TCM shift pattern learning and smooth gear changing.

Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to bring the catalytic converter quickly to the required temperature.
- The automatic neutral shift function automatically shifts to idling when the vehicle is stopped with a forward gear engaged.

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, malfunction indicator light  illuminates. The transmission no longer shifts automatically nor manually because it is locked in a certain gear.

Have the cause of the fault remedied by a workshop.

Interruption of power supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be moved out of the ignition lock.

If the battery is discharged, start the vehicle using jump leads ➔ 228.

If the battery is not the cause of the fault, release selector lever and remove ignition key from ignition lock.

Release selector lever

1. Apply parking brake.



2. Open cover to the right of the selector lever.



3. Insert a screwdriver into the opening as far as it will go and move the selector lever out of **P**. If **P** is engaged again, the selector lever will be locked in position again. Have the cause of the power supply interruption remedied by a workshop.
4. Close cover.

Manual transmission



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

There is no button on the selector lever in the diesel-powered car.

If the gear does not engage, set the lever in 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 advisable to have both hands on the steering wheel whenever possible. Avoid resting your hands 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 workshop 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.

After starting off, the system performs a selftest which may be audible.

Control indicator  74.

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.

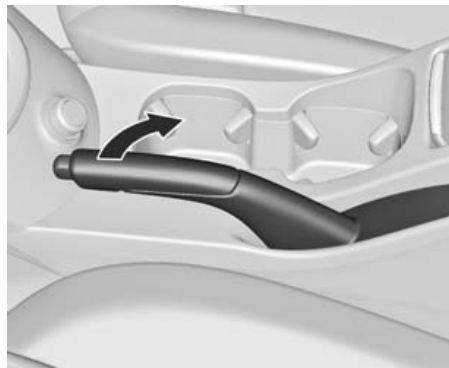
After starting off, the system performs a selftest which may be audible.

Control indicator  74.

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 workshop.

Parking brake

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  74.

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.

The brake assist is part of the Electronic Stability Control System.

Ride control systems

Traction Control system

Traction control system (TC) improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels 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 as soon as the control indicator  extinguishes.

When TC is active,  flashes.

 Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator   75.

Deactivation



TC can be switched off when spinning of drive wheels is required: press button  for approx. 2 seconds.

Control indicator  illuminates.

TC is reactivated by pressing the  button shortly again.

TC is also reactivated the next time the ignition is switched on.

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the driving wheels from spinning.

As soon as the vehicle starts to swerve (understeer/oversteer), the 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 as soon as the control indicator  extinguishes.

When ESC is active  flashes.

 Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator   75.

Deactivation



For very high-performance driving ESC can be deactivated: hold button  depressed for approx. 7 seconds.

Control indicator  illuminates.

ESC is reactivated by pressing the  button shortly 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.

When the ESC system is actively improving the stability of the vehicle, reduce speed and pay extra attention to the road condition. The ESC

system is only a supplementary device for the vehicle. When the vehicle exceeds its physical limits, it can no longer be controlled. Therefore do not rely on this system. Keep driving safely.

Cruise control

The cruise control can store and maintain speeds of approx. 40 to 200 km/h. Deviations from the stored speeds may occur when driving uphill or downhill.

For safety reasons the cruise control cannot be activated until the foot brake has been operated once.



Do not use the cruise control if it is not advisable to maintain a constant speed.

With automatic transmission, only activate cruise control in automatic mode.

Control indicator  77.

Switching on

Press rocker switch  at the upper end, control indicator  illuminates white.

Activation

Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and maintained. Control indicator  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.

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 **RES/+**.

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 button , control indicator  illuminates white. Cruise control is deactivated. The stored speed is memorised.

Automatic deactivation:

- Vehicle speed below approx. 40 km/h,
- the brake pedal is depressed,
- the clutch pedal is depressed for more than a few seconds,

- selector lever in **N**,
- the Traction Control system or electronic stability control is operating.

Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 40 km/h. The stored speed will be obtained. If the difference between the current speed and the stored speed is more than 40 km/h, the vehicle cannot resume the stored speed.

Switching off

Press rocker switch  at the lower end, control indicator  extinguishes. The stored speed is deleted. Switching off the ignition also deletes the stored speed.

Object detection systems

Parking assist



The parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles, and giving acoustic signals. It is the driver, however, who bears full responsibility for parking manoeuvre.

The system consists of four ultrasonic parking sensors in the rear bumper.

Control indicator **P**  75.

Note

Any accessories fitted to the vehicle in the detection area may cause a system malfunction.

Activation

When reverse gear is engaged, the system is activated automatically.

An obstacle is indicated by acoustic warnings. The interval between the warnings becomes shorter as the vehicle gets closer to the obstacle. When the distance is less than 40 cm, the acoustic warning sounds continuous.

Deactivation

The system is deactivated automatically when

- the vehicle is driven above 10 km/h
- the vehicle is parked
- a fault in the system occurs.

Fault

In the event of a fault in the system, **P**  illuminates.

Additionally if the system does not work due to temporary conditions like snow covered sensors, **P**  illuminates.

Important hints for using the 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.

Caution

Sensitivity of the sensor could be reduced caused by external influences e.g. layers on the sensor surface (ice, snow, mud, soiling, multiple varnishing/ painting, etc.).

Sensor could detect a non-existing object ("echodisturbance") caused by external acoustical disturbances e.g.another park pilot system.

Sensor could detect a non-existing object ("echodisturbance") caused by external mechanic disturbances e.g. carwash, rain, extreme wind conditions, hail etc.

Performance of the park assistance systems could be reduced caused by changing of sensor position by external changes to the vehicle, e.g.lowering of the shock absorber over lifetime due to: temperature changes, changing of tyres,loading of the vehicle, lowering/tuning of the vehicle etc.

Particular conditions apply for high vehicles (e.g. off-road vehicles, mini vans, transporters). Object identification in the upper part of the vehicle can not be guaranteed.

Performance of the park assistance systems could be reduced by acoustic coupling to the vehicle caused by icing over. Objects with a very small reflection cross section may not be detected.

Fuel

Fuel for petrol engines

Only use unleaded fuel that complies with DIN EN 228.

Equivalent standardised fuels with an ethanol content of max. 10 % by volume may be used. In this case only use fuel that complies with E DIN 51626-1.

Use fuel with the recommended octane rating ↗ 247. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

Caution

Use of fuel that does not comply to EN 228 or similar can lead to deposits or engine damage and loss of warranty.

Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Fuel for diesel engines

Only use diesel fuel that complies with DIN EN 590.

In countries outside the European Union use Euro-Diesel fuel with a sulfur concentration below 50 ppm.

Caution

Use of fuel that does not comply to EN 590 or similar can lead to engine powerloss, increased wear or engine damage and loss of warranty.

Do not use marine diesel oils, heating oils, Aquazole and similar diesel-water emulsions. Diesel fuels must not be diluted with fuels for petrol engines.

The flow and filterability of diesel fuel are temperature-dependent. When temperatures are low, refuel with diesel fuel with guaranteed winter properties.

Refuelling**Caution**

If you use inappropriate grade fuel or put incorrect fuel additives into the fuel tank, the engine and catalytic converter may seriously be damaged.

Be sure to use the correct fuel (petrol or diesel) corresponding to your vehicle when refueling. If you fill petrol in your diesel powered vehicle, your vehicle can be seriously damaged. If you vehicle has diesel engine, you can confirm the correct fuel by taking a look at information on the fuel filler cap.

For safety reasons, fuel containers, pumps and hoses must be properly earthed. Static electricity build up can ignite the gasoline vapor. You can be burnt and your vehicle damaged.



⚠ Danger

Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any 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 a workshop.

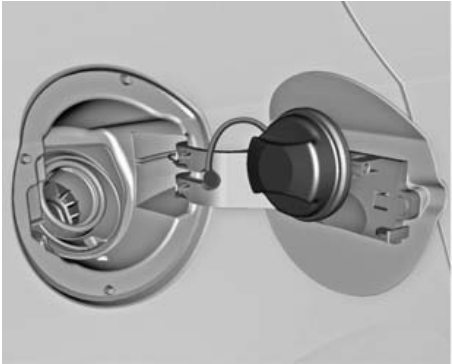
Caution

In case of misfuelling, do not switch on ignition.

Fuel filler flap is located at right rear side of vehicle.



The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap.



The fuel filler cap can be retained in the bracket on the fuel filler flap.

Caution

Wipe off any overflowing fuel immediately.

Fuel filler cap
Only a genuine fuel filler cap provides full functionality. Diesel-engined vehicles have special fuel filler caps.

Caution

If you use a car wash when the vehicle is unlocked, the fuel filler flap might be open and it can be damaged in the car wash.

Make sure to lock the fuel filler flap by using the central locking button.

Do not close the fuel filler flap when the vehicle is locked.

Vehicle care

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General Information

Accessories and vehicle modifications

We recommend to use Genuine Parts and Accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee for other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

Caution

Never modify your vehicle. It may affect the performance, durability and safety of the vehicle and the warrant may not cover any problems caused by the modification.

Vehicle storage

Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain washer fluid reservoir.
- Check coolant anti-freeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park vehicle in dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply parking brake.
- Open 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, e.g. anti-theft alarm system.

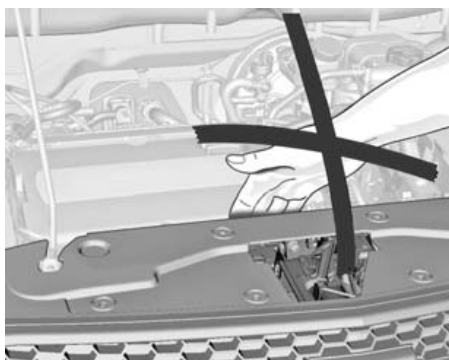
Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronic 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

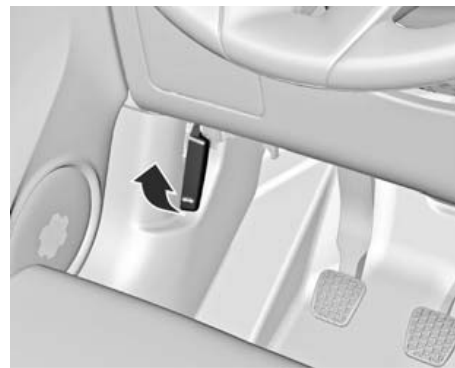
Only perform engine compartment checks when the ignition is off.
The cooling fan may start operating even if the ignition is off.

⚠ Danger

The ignition system uses extremely high voltage. Do not touch.

Bonnet

Opening



Pull the release lever and return it to its original position.

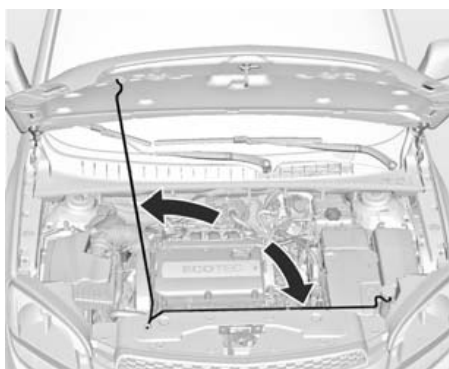


Push the safety catch to the left and open the bonnet.

⚠ Warning

When the engine is hot ensure that you only touch the foam padding of the bonnet support rod.

Air intake ➞ 179.



Secure the bonnet support.

Closing

Before closing the bonnet, press the support into the holder.

Lower the bonnet and allow it to drop into the catch. Check if the bonnet is engaged.

⚠ Warning

Always observe the following precautions: Pull on the front edge of the bonnet to make sure it is latched securely before you drive your vehicle.

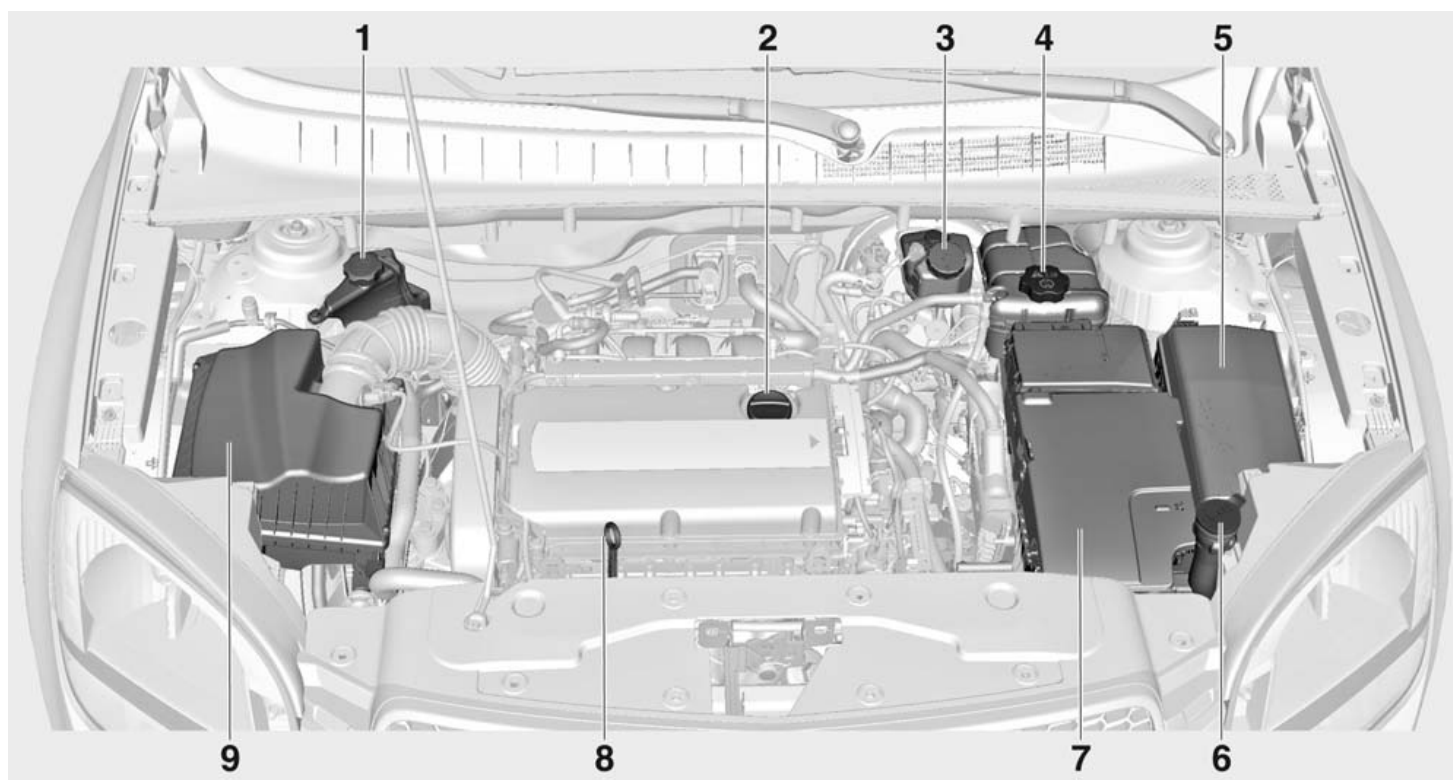
Do not pull the bonnet release handle while your vehicle is moving.

Do not move your vehicle with the bonnet open. An open bonnet will obscure the driver's vision.

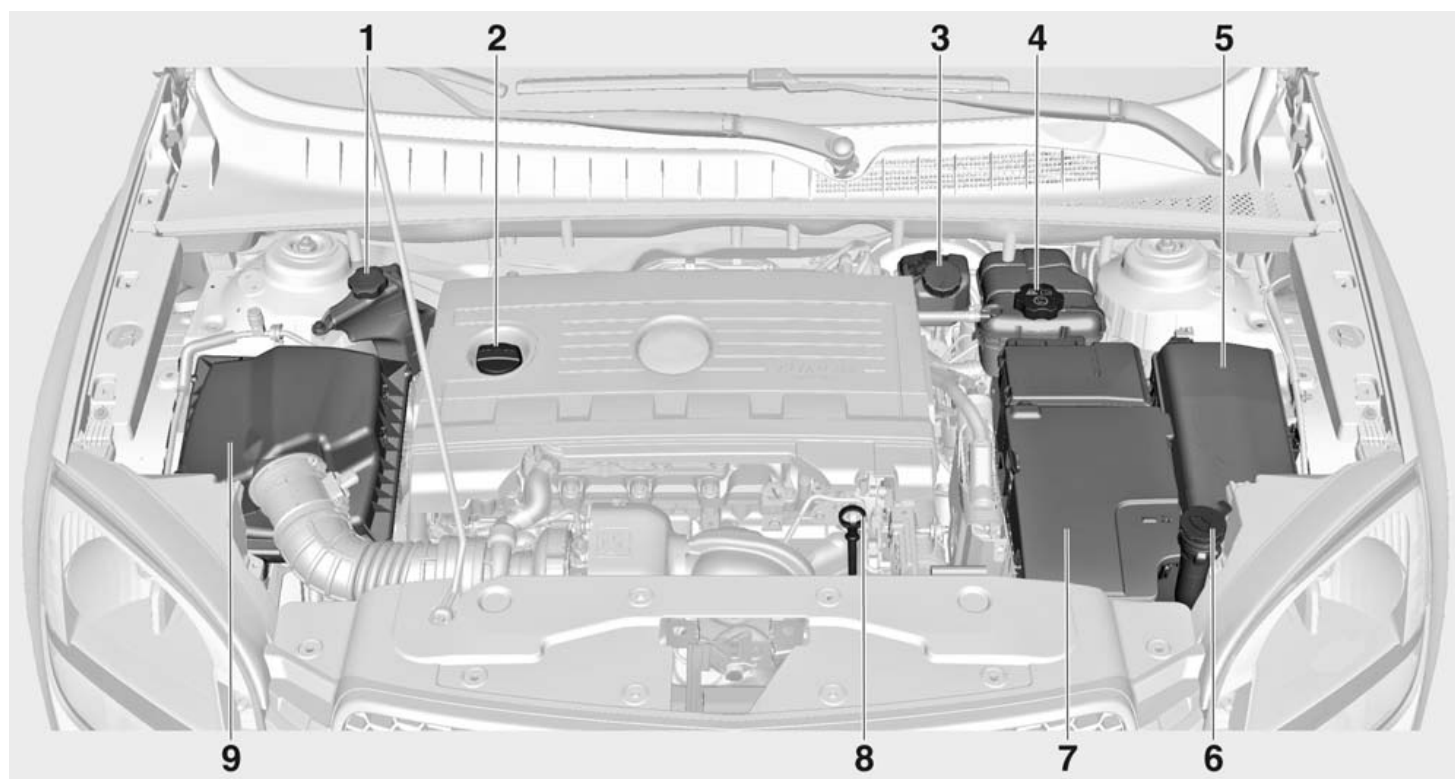
Operating your vehicle with the bonnet open can lead to a collision resulting in damage to your vehicle to other property, personal injury or even death.

Engine compartment overview

Petrol engine, 2H0



Diesel engine, LNP



202 Vehicle care

1. Power steering fluid reservoir ↗ 204
2. Engine oil cap ↗ 202
3. Brake fluid reservoir ↗ 205
4. Engine coolant reservoir ↗ 203
5. Fuse box ↗ 214
6. Washer fluid reservoir ↗ 204
7. Battery ↗ 205
8. Dipstick for engine oil level ↗ 202
9. Engine air filter ↗ 203

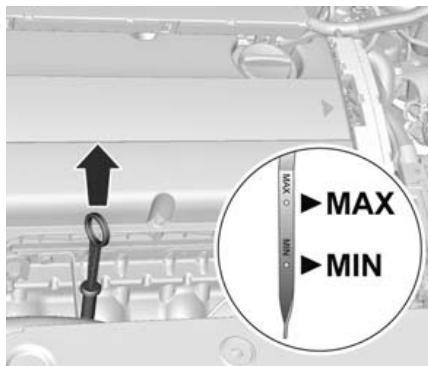
Engine oil

Check the engine oil level on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used. Recommended fluids and lubricants ↗ 242.

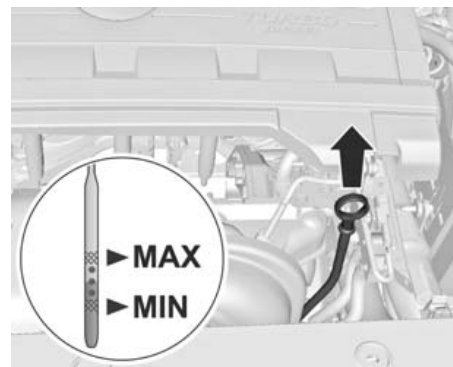
Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 10 minutes.

Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

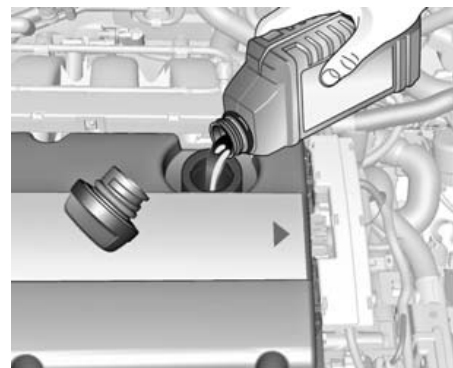
Insert dipstick to the stop on the handle and make half a turn.



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 ⇨ 250.

Fit the cap on straight and tighten it.

⚠ Warning

Engine oil is an irritant and, if ingested, can cause illness or death.

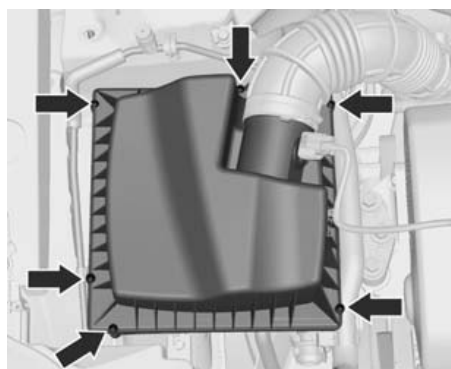
Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be very careful when draining the engine oil as it may be hot enough to burn you!

Engine air filter



To replace engine air filter unscrew 6 screws and remove filter housing.

Engine coolant

Take care of sufficient anti- freeze concentration.

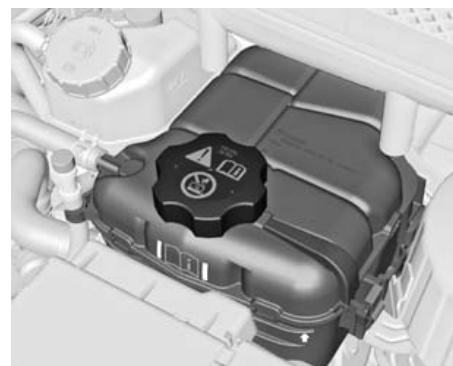
Caution

Only use approved anti-freeze.

Coolant level

Caution

A too low 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. Open the cap carefully, so that the pressure can relieve slowly.

Top up with a mixture of demineralised water and anti-freeze approved for the vehicle. Install the cap tightly. Have the antifreeze concentration checked and have the cause of the coolant loss remedied by a workshop.

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.



Open the cap and remove. Wipe the dipstick dry and turn the cap in the reservoir. Open the cap again and read the power steering fluid level.

The power steering fluid level must be between the **MIN** and the **MAX** marks.

If the fluid level is too low, seek the assistance of a workshop.

Washer fluid



Fill with clean water mixed with a suitable quantity of windscreen wash solution which contains anti-freeze.

To refill windshield washer fluid reservoir:

- Use only commercially available ready-to-use washer fluid for that purpose.
- Do not use tap water. Minerals present in tap water may plug the windshield washer lines.

- If air temperature is likely to go below freezing, use windshield washer fluid which has sufficient anti-freezing property.

Brakes

In the event of minimum thickness of the brake lining,  illuminates.

Continued driving is possible but have the brake lining replaced as soon as possible.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

Brake fluid

Warning

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.



The brake fluid level must be between the **MIN** and the **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop.

Only use high-performance brake fluid approved for the vehicle, Brake and clutch fluid  242.

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.

⚠ Warning

Keep glowing materials away from the battery to avoid explosion. Battery explosion can result in damage to the vehicle and serious injury or death.

Avoid contact with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact. In case of skin contact, clean the area with water and seek medical help immediately.

Keep out of reach of children.

Do not tilt an open battery.

Battery discharge protection ⇨ 90.

Diesel fuel system bleeding

If the tank has been run dry, the diesel fuel system must be bled on ground level after fuelling at least 2 liters. Switch on the ignition three times for 15 seconds at a time. Then start the engine for a maximum of 40 seconds. Repeat this process after no less than 5 seconds. If the engine fails to start, seek the assistance of a workshop.

Wiper blade replacement**Wiper blades on the windscreen**

Lift the wiper arm, press release lever and slide the wiper blade downwards to disengage 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. Push the wiper blade, slightly angled to the wiper arm, downwards until it disengages.

Attach the wiper blade, slightly angled to the wiper arm, and push until it engages.

Lower wiper arm carefully.

Properly functioning windshield wipers are essential for clear vision and safe driving. Regularly check the condition of the wiper blades. Replace hard, brittle or cracked blades or those that smear dirt on the windshield.

Foreign material on the windshield or wiper blades can reduce the effectiveness of the wipers. If the blades are not wiping properly, clean both, the windshield and the blades, with a good cleaner or mild detergent. Rinse them thoroughly with water.

Repeat the process, if necessary. There is no way to remove traces of silicone from glass. Therefore, never apply polish with silicone to your vehicle's windshield or you will get streaks which will impair the driver's vision.

Do not use solvents, gasoline, kerosene or paint thinner to clean wipers. These are harsh and can damage the blades and painted surfaces.

Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors. Only hold a new bulb at the base! Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

Note

After heavy, driving rain or washing, headlight and taillight lenses could appear frosty.

This condition is caused by the temperature difference between the lamp inside and outside.

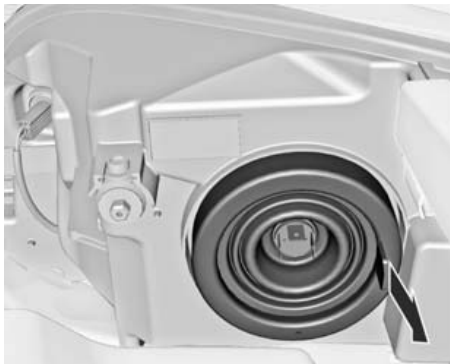
This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle.

If the water leaks into the lamp bulb circuitry, have the vehicle checked by a workshop.

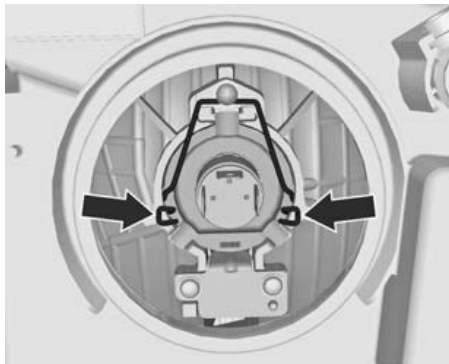
Halogen headlights

Low beam and high beam

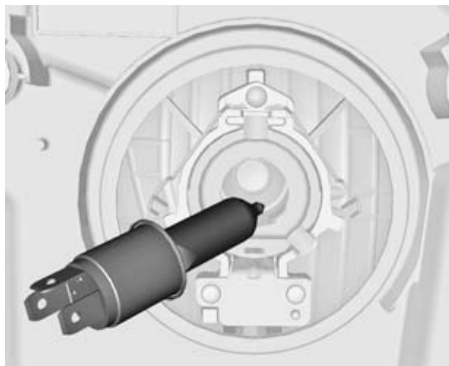
1. Detach plug connector from bulb.



2. Remove protective cover.



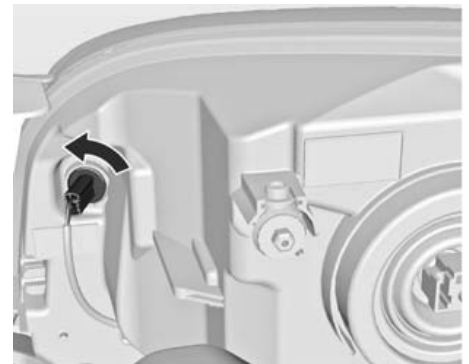
3. Press spring clip, disengage and swivel it upward.



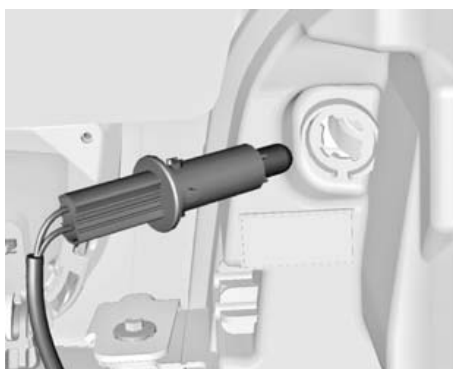
4. Remove bulb from reflector housing.

5. When fitting a new bulb, engage the lugs in the recesses on the reflector.
6. Engage the spring clip.
7. Place headlamp protective cover in position and close.
8. Plug connector onto bulb.

Side lights

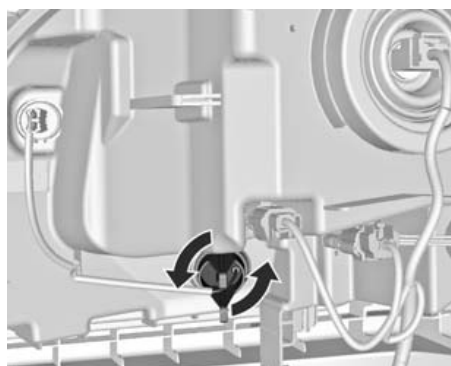


1. Rotate bulb holder anti-clockwise and disengage.

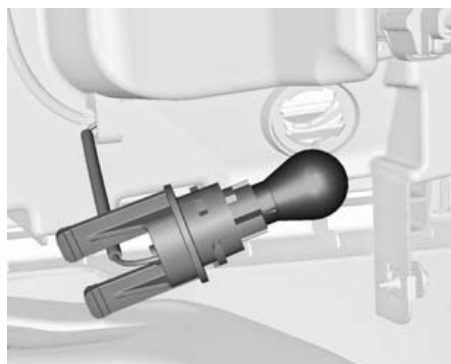


2. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
3. Insert bulb holder in reflector, rotate clockwise to engage.

Front turn signal lights



1. Rotate bulb holder anti-clockwise and disengage.



2. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
3. Insert bulb holder in reflector, rotate clockwise to engage.

Fog lights

Have bulbs replaced by a workshop.

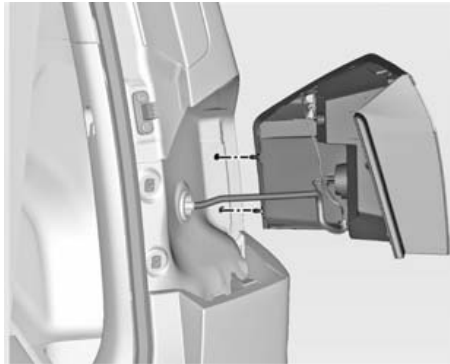
Tail lights



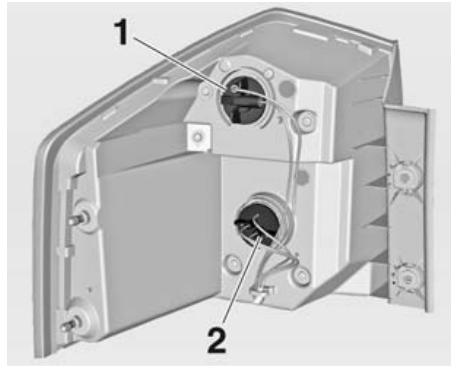
1. Open both covers.



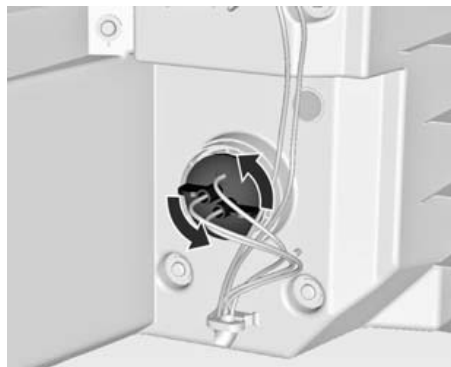
2. Unscrew both screws.



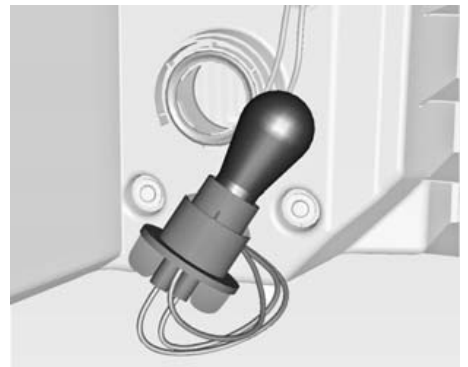
3. Remove tail light assembly. Take care that the cable duct remains in position.



4. Tail light/brake light (1)
Turn signal light (2)



5. Rotate the relevant bulb holder anti-clockwise.

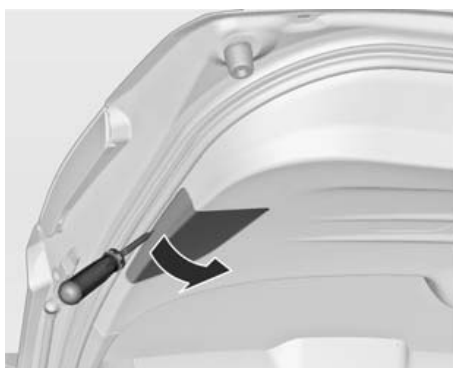


6. Remove bulb holder. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.

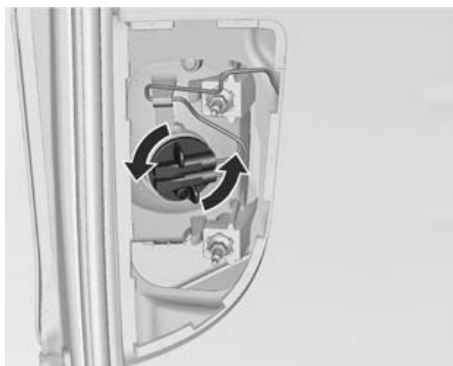
7. Insert bulb holder into the tail light assembly and screw into place. Install tail light assembly in body and tighten screws. Close covers and engage.

8. Switch on ignition, operate and check all lights.

Tail lights in the tailgate



1. Remove cover carefully.



2. Rotate bulb holder anti-clockwise.



3. Remove bulb holder. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.

4. Insert bulb holder in reflector, rotate clockwise to engage.

5. Insert cover.

Reverse light

Have bulb replaced by a workshop

Side turn signal lights

Have bulbs replaced by a workshop.

Number plate light



1. Unscrew both screws.



2. Remove bulb housing downward, taking care not to pull on the cable.

Rotate bulb holder anti-clockwise to disengage.

3. Remove bulb from holder and renew bulb.
4. Insert bulb holder in bulb housing and rotate clockwise.
5. Insert bulb housing and secure using a screwdriver.

Fog tail light

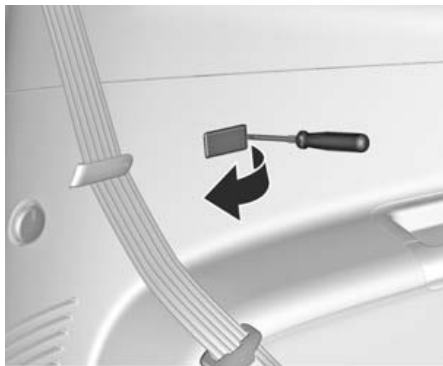
Have bulb replaced by a workshop.

Interior lights

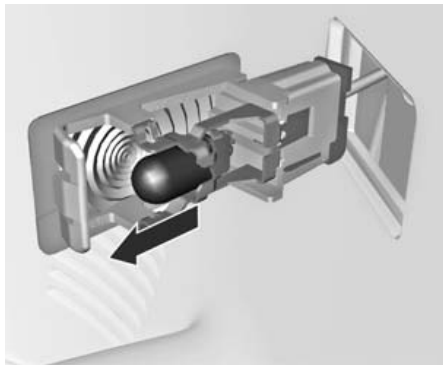
Courtesy light, reading lights

Have bulbs replaced by a workshop.

Load compartment light



1. Prise the lamp out with a screwdriver.



2. Press bulb slightly towards spring clip and remove.
3. Insert new bulb.
4. Install lamp.

Instrument panel illumination

Have bulbs replaced by a workshop.

Electrical system

Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are two fuse boxes in the vehicle:

- in the front left of the engine compartment,
- in the interior behind the storage compartment, or, in right-hand drive vehicles, behind the glove box.

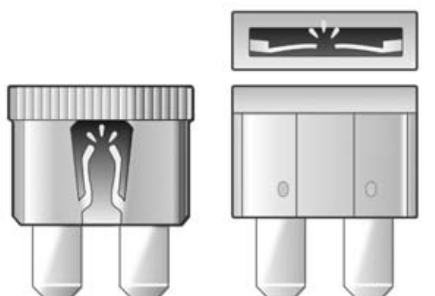
In a box above the positive terminal of the battery are some main fuses. If necessary have them changed by a workshop.

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.



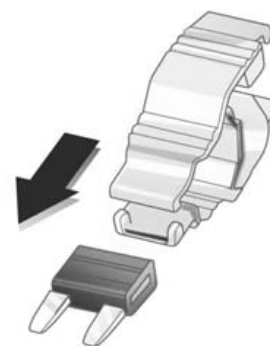
30040



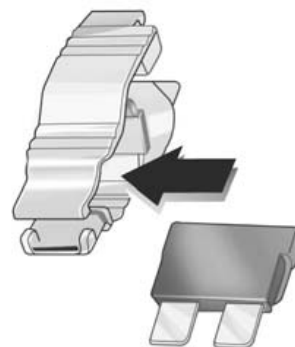
30041

Fuse extractor

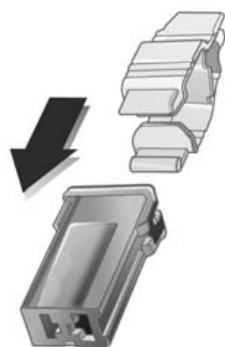
A fuse extractor may be located in the fuse box in the engine compartment.



30042



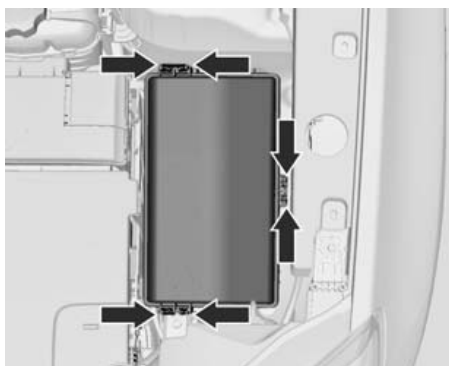
30042



30044

Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

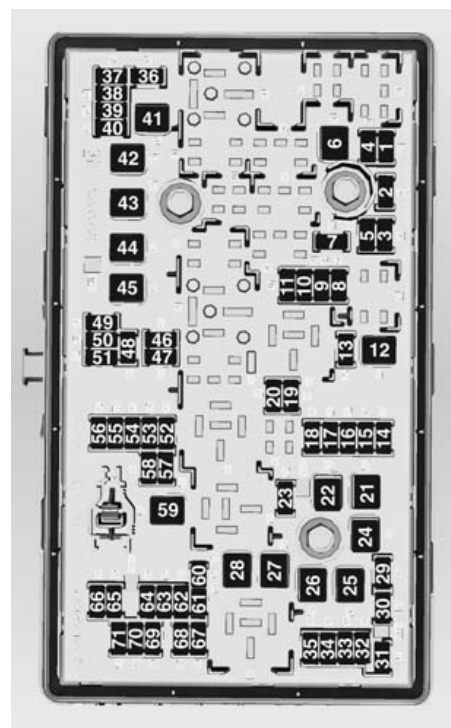
Engine compartment fuse box



The fuse box is in the front left of the engine compartment.

Disengage the cover, lift it upwards and remove.

Not all fuse box descriptions in this manual may apply to your vehicle. It is accurate at the time of printing. When inspecting the fuse box, refer to the fuse box label.



No. Circuit

- 1 Transmission control module
- 2 Engine control module
- 3 –
- 4 Canister vent sol
- 5 Ignition
- 6 Front wipers
- 7 –
- 8 Fuel injection
- 9 Fuel injection, ignition system
- 10 Engine control module
- 11 Lambda sensor
- 12 Starter solenoid
- 13 Canister vent sol
- 14 –
- 15 Rear wiper
- 16 Ignition, Air quality sensor
- 17 Ignition, Airbag

No. Circuit

- 18 Fuel system control module
- 19 –
- 20 Fuel pump
- 21 Rear power windows
- 22 –
- 23 –
- 24 Front power windows
- 25 Electronic vacuum pump
- 26 ABS pump
- 27 –
- 28 Heated rear window
- 29 –
- 30 ABS valve
- 31 Body control module
- 32 Body control module
- 33 –
- 34 Sunroof

No. Circuit

- 35 Infotainment system, Amplifier
- 36 –
- 37 High beam, right side
- 38 High beam, left side
- 39 –
- 40 –
- 41 –
- 42 Cooling fan
- 43 –
- 44 –
- 45 Cooling fan
- 46 Cooling fan
- 47 Lambda sensor
- 48 Fog lights
- 49 –
- 50 –
- 51 Horn

216 Vehicle care

No. Circuit

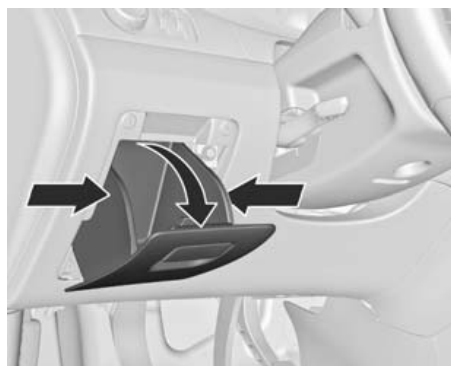
- 52 Fuel and emission control
- 53 Electrochromatic mirror
- 54 Light switch, Light control
- 55 Mirror folding
- 56 Windscreen washer
- 57 Steering column lock
- 58 –
- 59 Diesel fuel heating
- 60 Mirror heating
- 61 Mirror heating
- 62 Air condition
- 63 Rear window sensor
- 64 Air quality sensor
- 65 Rear fog lamp
- 66 Rear washer
- 67 Fuel system control module
- 68 –

No. Circuit

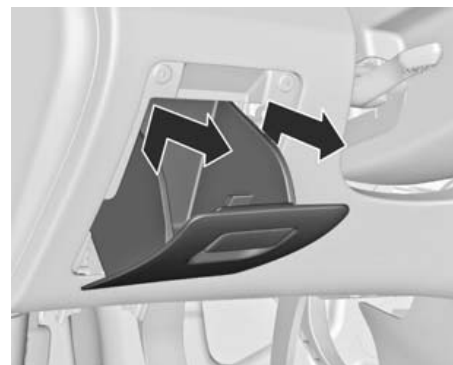
- 69 Battery voltage sensor
- 70 Rain sensor
- 71 –

Instrument panel fuse box

The fuse box is behind the storage compartment in the instrument panel.



1. Open the storage compartment.
2. Press the storage compartment on the sides together.



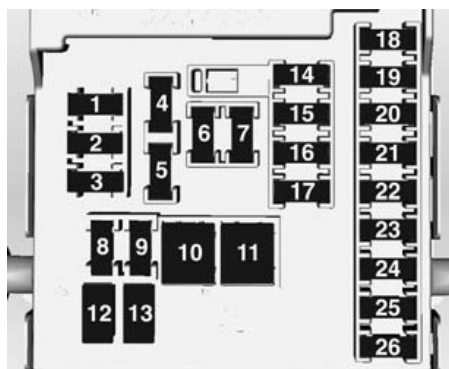
3. Lift the storage compartment until it audibly disengages and remove it in the direction of the arrows.

Reinstall the compartment in reverse order.



In right-hand drive vehicles, the fuse box is located in the glovebox.

Not all fuse box descriptions in this manual may apply to your vehicle. It is accurate at the time of printing. When inspecting the fuse box, refer to the fuse box label.



No. Circuit

1	–
2	–
3	Body control module
4	Infotainment system, audio
5	Info display, face plate
6	Front power outlet
7	Power outlet
8	Body control module
9	Body control module

No. Circuit

10	Body control module
11	Interior fan
12	–
13	Power front seat, left side
14	Dynamic light control
15	Airbag
16	Central locking system, tailgate
17	Air condition system
18	–
19	Shift lever
20	–
21	Instrument
22	Ignition, Electronic key system
23	Body control module
24	Body control module
25	Steering column lock
26	Rear power outlet

Vehicle tools

Tools

Vehicles with tyre repair kit



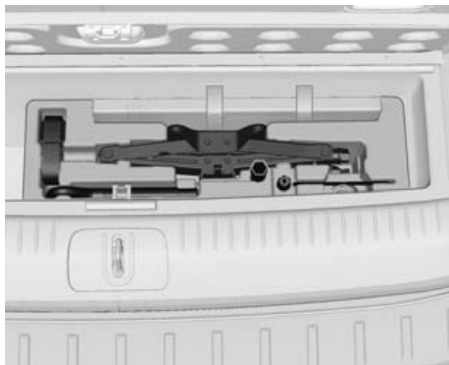
The tools are located together with the tyre repair kit on the right side of the load compartment behind a cover.

Vehicles with spare wheel

The jack, the tools and a strap to secure a damaged wheel are located in a storage compartment below the floor cover in the load compartment.



Pull the lever of the floor cover. Lift the floor cover upwards.



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 workshop in the event of damage or unusual wear.

Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

Only tyres of size 215/60 R16, 225/50 R17 and 235/45 R18 are permitted as winter tyres.

Tyres of size 215/55 R17 are not permitted as winter tyres.

In accordance with country-specific regulations, affix the speed sticker in the driver's field of view.

Tyre designations

E.g. 215/60 R 16 95 H

- 215** = Tyre width, mm
- 60** = Cross-section ratio (tyre height to tyre width), %
- R** = Belt type: Radial
- RF** = Type: RunFlat
- 16** = Wheel diameter, inches
- 95** = Load index e.g. 95 is equivalent to 690 kg
- H** = Speed code letter

Speed code letter:

- Q** = up to 160 km/h
- S** = up to 180 km/h
- T** = up to 190 km/h
- H** = up to 210 km/h
- V** = up to 240 km/h
- W** = up to 270 km/h

Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel.

Unscrew the valve cap.



Tyre pressure ⇨ 251 and on the label on the front left door frame.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.

Always inflate the spare tyre to the pressure specified for full load.

The ECO tyre pressure will assist in reducing fuel consumption.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

⚠ Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).



30055

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 reprogram 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.

Warning

Do not use different size and type of tyres and wheels than those originally installed on the vehicle. It can affect safety and performance of the vehicle. It could lead to handling failure or rollover and serious injury. When replacing tyres, be sure to install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity. The use of any other tyre size or type may seriously affect ride, handling, ground clearance, stopping distance, body clearance and speedometer reliability.

Wheel covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

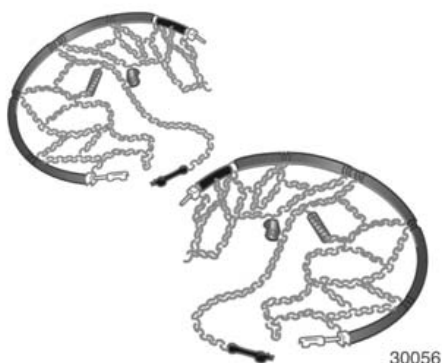
If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

Warning

Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

Tyre chains



Tyre chains are only permitted on the front wheels.

Tyre chains are only permitted on tyres of size 215/60 R16 and 225/50 R17.

Tyre chains are not permitted on tyres of size 215/55 R17 and 235/45 R18.

Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

Warning

Damage may lead to tyre blowout.

Tyre repair kit

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 at tyre's side wall near the rim cannot be repaired with the tyre repair kit.

Warning

Do not drive faster than 80 km/h.

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. Open the storage compartment → 218

1. Take the tyre repair kit from the compartment.
2. Remove the compressor.



30057

3. Remove the electrical connection cable and air hose from the stowage compartments on the underside of the compressor.

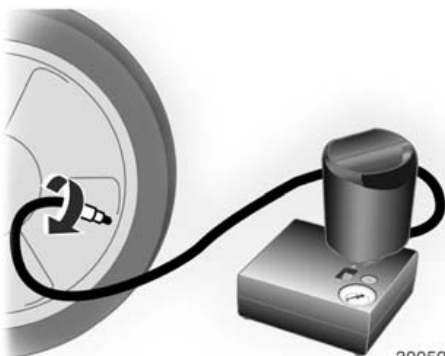


30058

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.



30059

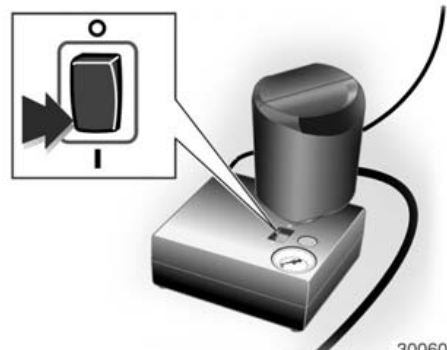
6. Unscrew valve cap from defective tyre.

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 accessory socket at the rear of the console. Do not connect the compressor plug to cigarette lighter socket.

To avoid discharging the battery, we recommend running the engine.



30060

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 $\varnothing$ 251. When the correct pressure is obtained, switch off the compressor.



If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation. Reattach the tyre repair kit and continue the filling procedure for 10 minutes. If the prescribed tyre pressure is still not obtained, the

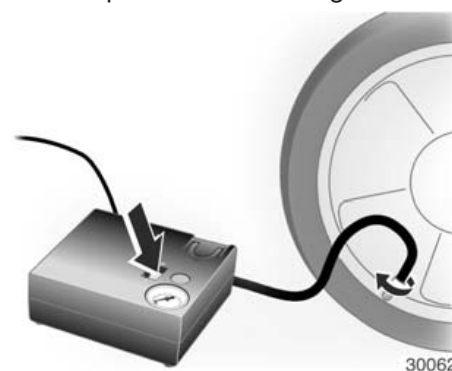
tyre is too badly damaged. Seek the assistance of a workshop.

Drain excess tyre pressure with the button over the pressure indicator.

Do not run the compressor longer than 10 minutes.

14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw tyre inflation hose to free connection of sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in 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 workshop.

18. Stow away tyre repair kit in load compartment.

Note

The driving characteristics of the repaired tyre is severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

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 ⇨ 221.

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.
- Remove the spare wheel ⇨ 226.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- If the ground on which the vehicle is standing is soft, a solid board (max. 1 cm thick) should be placed under the jack.
- No people or animals may be in the vehicle when it is jacked-up.

- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

⚠ Warning

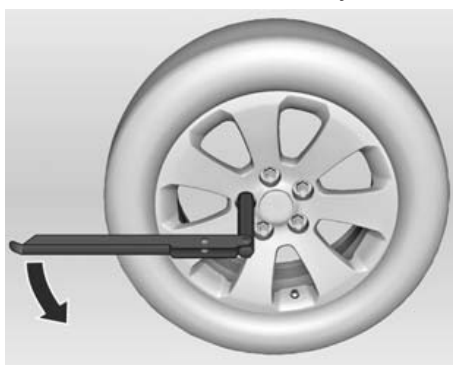
Do not grease wheel bolt, wheel nut and wheel nut cone.



1. Disengage wheel nut caps with a screwdriver and remove. Pull off

the wheel cover with the hook.
Vehicle tools ⇨ 218.

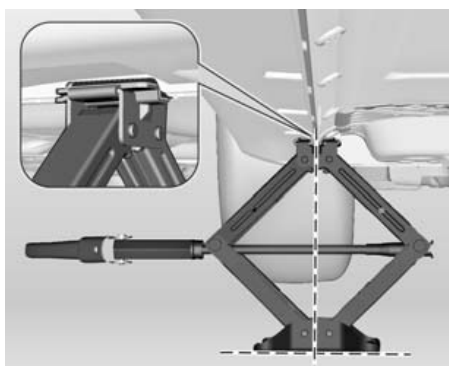
Alloy wheels: Disengage wheel nut caps with a screwdriver and remove. To protect the wheel, place a soft cloth between the screwdriver and the alloy wheel.



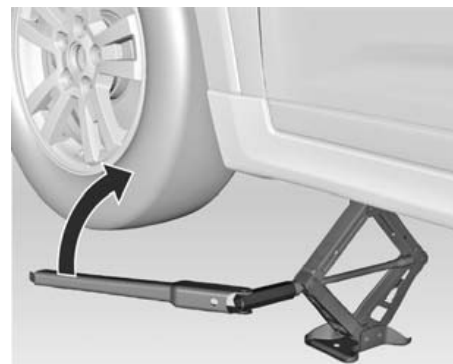
2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.



3. Ensure the jack is positioned correctly with the vehicle jacking points.



4. Set the jack to the necessary height before positioning it directly below the jacking point in a manner that prevents it from slipping.



Attach wheel wrench and with the jack correctly aligned rotate wheel wrench until wheel is clear of the ground.

5. Unscrew the wheel nuts.
6. Change the wheel.
7. Screw on the wheel nuts.
8. Lower vehicle.

9. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 150 Nm.
 10. Align the valve hole in the wheel cover with the tyre valve before installing.
Install wheel nut caps.
 11. Stow the replaced wheel ↗ 221 and the vehicle tools ↗ 218.
 12. Check the tyre pressure of the installed tyre and also the wheel nut torque as soon as possible.
- Have the defective tyre renewed or repaired.

Spare wheel

The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations.

The spare wheel has a steel rim.

Use of a spare wheel that is smaller than the other wheels or together with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

The spare wheel is kept beneath the vehicle.

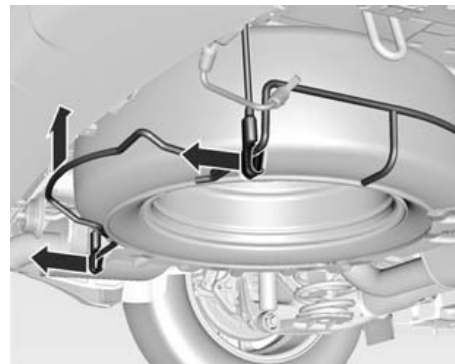
1. Open the stowage in the load compartment ↗ 218.
2. Remove both caps above the hexagon bolts.



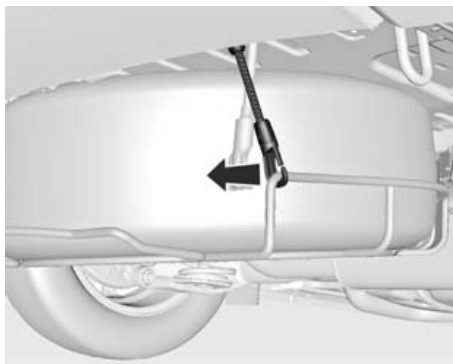
3. Fit the extension on a hexagon bolt.
4. Fit the wheel wrench on the extension.



5. Turn hexagon bolt anti-clockwise until a resistance is noticeable.
6. Proceed with the other hexagon bolt in the same way.



7. Lift the spare wheel holder and unhook both catches.
8. Lower the spare wheel holder.



9. Detach the safety cable.
10. Lower holder all the way and remove spare wheel.
11. Change the wheel.
12. Place replaced wheel in spare wheel holder with outside of wheel facing upwards.
13. Lift the spare wheel holder, insert the safety cable.

14. Lift the spare wheel holder and engage in both catches. The open sides of the catches must point in the direction of travel.
15. Turn both hexagon bolts clockwise successively using the wheel wrench.
16. Fit the caps above both hexagon bolts.
17. Stow wheel wrench and extension.
18. Close the stowage compartment cover.

Temporary spare wheel

Use of the temporary spare wheel could affect driveability. Have the defective tyre renewed or repaired as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. 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 ⇨ 221.

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.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible.
- Drive particularly carefully on wet and snow-covered road surfaces.

Stowing of a damaged wheel

A damaged wheel must be stowed in the load compartment and secured with a strap. Vehicle tools ⇨ 218

1. Position the wheel 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.

Jump starting

Do not start with quick charger.

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

⚠ Warning

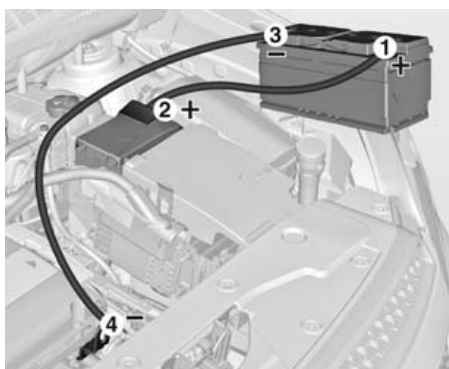
Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠ Warning

Avoid contact with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the battery to naked flames or sparks.
- A discharged battery can already freeze at temperatures of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm² (25 mm² for diesel engines).
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.

- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in **P**.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster battery.
2. Connect the other end of the red lead to the positive terminal of the discharged battery.

3. Connect the black lead to the negative terminal of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect as far away from the discharged battery as possible.

Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

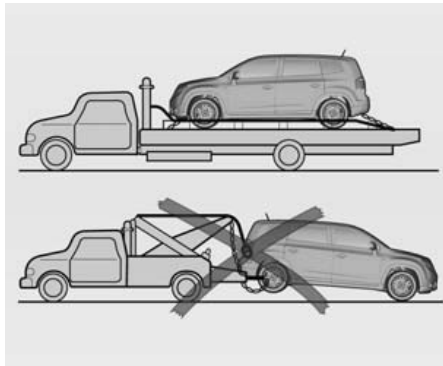
1. Start the engine of the vehicle providing the jump.
2. After 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 minutes with the leads connected.

4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

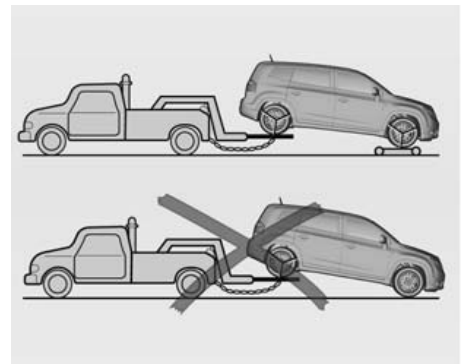
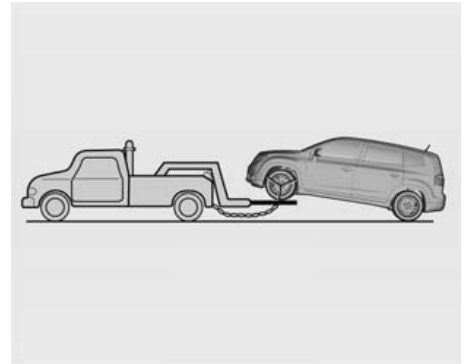
Towing

Towing the vehicle

If you need to have your vehicle towed, please use our service network or professional towing company.



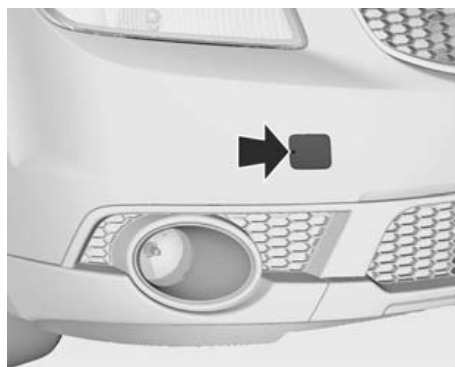
The best method is to have the vehicle transported using a recovery vehicle.



If towing by 2 wheels, lift the front driving wheels and tow with the front tyres locked.

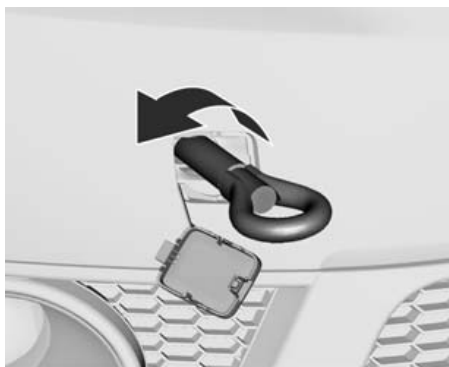
Please observe the following procedures when towing a vehicle:

- No passenger should remain in the vehicle being towed.
- Release the parking break of the towed vehicle and place the transmission gear in neutral.
- Switch on the emergency warning lights.
- Keep the speed limits.



Press cap until it audibly disengages. Remove it carefully.

The towing eye is stowed with the vehicle tools ↗ 218.



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 column lock and to permit operation of brake lights, horn and windscreen wipers.

Transmission in neutral.

Switch on the hazard warning flashers on both vehicles.

Caution

Drive steady and slowly. Harsh driving can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust fumes from the towing vehicle, switch on the air recirculation and close the windows.

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 workshop.

After towing, unscrew the towing eye. Insert cap below and close cap.

Towing another vehicle



Press cap until it audibly disengages and remove it carefully.
The towing eye is stowed with the vehicle tools ↻ 218.



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 better still a tow rod – to the towing eye.
The towing eye must only be used for towing and not for recovering a vehicle.

Caution
Drive steady and slowly. Harsh driving can damage the vehicle.
Caution
Transportation delivery hook at the rear of the vehicle: Do not use for towing or securing during movement.

After towing, unscrew the towing eye.
Insert cap below and close cap.

Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using de-icing agent, have the locks regreased by a workshop.

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.

Outside pollutants such as bird droppings, dead insects, tree resin and pollen should be cleaned from the vehicle immediately as they can cause paint damage.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wipers and rear window wiper must be switched off. Remove antenna and external accessories such as roof racks etc.

If you use the auto car washer when the vehicle is unlocked, fuel filler flap might be open and it can be damaged during the auto car washer.

Make sure to lock the fuel filler flap by using the central locking button.

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.

Have the door hinges of all doors greased by a workshop.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

Exterior lights

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). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window, make sure the heating element inside is not damaged.

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

Sunroof

Never clean with solvents or abrasive agents, fuels, aggressive media (e.g. paint cleaner, acetone-containing solutions etc.), acidic or highly alkaline media or abrasive pads. Do not apply wax or polishing agents to the middle part of the sunroof.

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 workshop.

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 workshop.

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.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with lukewarm water or interior cleaner.

Caution

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Clean up the dust on IP/door's mesh fabric with a vacuum cleaner. Remove stains with interior cleaner.

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

Scheduled maintenance

Recommended fluids, lubricants and parts

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General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

Confirmations

Confirmation of service is recorded in the Service and Warranty Booklet. The date and mileage is completed with the stamp and signature of the servicing workshop.

Make sure that the Service and Warranty Booklet is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

Oil life monitoring for diesel engines

The service intervals are based on several parameters depending on usage and are calculated using these parameters.

The engine oil life monitoring lets you know when to change the engine oil.

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Scheduled maintenance

Service schedules

Maintenance interval

Every 1 year / 15000 km (whichever occurs first)

Maintenance I: Use Maintenance I for the first service or if Maintenance II was performed previously.

Maintenance II: Use Maintenance II if the previous service performed was Maintenance I.

For vehicles equipped with an oil life monitoring system:

If code number 82 is displayed in the Driver Information Centre (DIC) and the previous maintenance has been carried out at least 10 months before, then the relevant maintenance should also be carried out.

No	Service	Maintenance I	Maintenance II
1	Replace engine oil and filter.	R	R
2	Inspect for any leaks or damage.	I	I
3	Inspect engine air filter.	I	I
4	Inspect tyres for inflation pressures and wear.	I	I
5	Inspect brake system.	I	I
6	Inspect engine coolant and windshield washer fluid levels and add fluid as needed.	I	I
7	Inspect suspension and steering components.	I	I
8	Inspect wiper blades and the operation of exterior lighting.	I	I

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No	Service	Maintenance I	Maintenance II
9	Inspect drive belts.	I	I
10	Perform any required additional services - see applicable section.	I	I
11	Check for field actions.	I	I
Maintenance II - perform all services described in maintenance I, plus the following:			
12	Replace brake fluid.	–	R
13	Inspect engine cooling system.	–	I
14	Inspect restraint system components.	–	I
15	Inspect powertrain and driveline components.	–	I
16	Lubricate body components.	–	I

I: Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust or replace.

R: Replace or change.

No	Service	Interval
17	Replace pollen filter.	Every 45000 km / 2 years
18	Replace air filter.	Every 60000 km / 4 years
19	Replace spark plugs.	Every 60000 km / 4 years
20	Replace diesel fuel filter.	Every 60000 km / 2 years

No	Service	Interval
21	Replace engine coolant.	Every 240000 km / 5 years
22	Replace automatic transmission oil.	Every 150000 km for normal conditions, every 75000 km for severe conditions
23	Replace auxiliary belt.	Vehicles with stretch belt: every 90000 km / 10 years
24	Inspect valve clearance, adjust if required.	Petrol engine: every 150000 km / 10 years
25	Replace timing chain.	Diesel engine: every 240000 km / 10 years
26	Replace timing belt.	Petrol engine: every 150000 km / 10 years

Footnotes

Maintenance item Note

1	If driving under severe conditions: short distance driving, extensive idling or driving in dusty condition, engine oil and the filter may require replacement more often. For diesel engines, replace every year or when code number 82 is displayed in the DIC.
2	Fluid loss in any vehicle system could indicate a problem. The system should be inspected and repaired and the fluid level checked. Add fluid if needed.
3 & 17	If driving regularly in dusty conditions, inspect the filter more frequently. The filter may require replacement more often.

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Maintenance item	Note
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5	Visually inspect brake lines and hoses for binding, leaks, cracks, chafing, etc. Inspect disc brake pads for wear and discs for surface condition. Inspect drum brake linings/shoes for wear or cracks. Inspect other brake parts, including drums, wheel cylinders, calipers, parking brake, etc.
7	Visually inspect front and rear suspension and steering system for damage, loose or missing parts or signs of wear. Inspect power steering components for binding, cracks, chafing, etc.
8	Inspect wiper blades for wear, cracking, or contamination. Clean the windshield and wiper blades, if contaminated. Replace wiper blades that are worn or damaged.
12	If driving under severe conditions: driving in hilly or mountainous terrain, or towing a trailer frequently, brake fluid may require replacement more often.
13	Visually inspect hoses and have them replaced if they are cracked, swollen or deteriorated. Inspect all pipes, fittings and clamps; replace with genuine parts if needed. To help ensure correct operation, a pressure test of the cooling system and pressure cap and cleaning the outside of the radiator and air conditioning condenser is recommended.
14	Make sure the safety belt reminder light and safety belt assemblies are working correctly. Look for any other loose or damaged safety belt system parts. If you see anything that might keep a safety belt system from doing its job, have it repaired. Ensure any torn or frayed safety belts are replaced.

Maintenance item Note

16	Lubricate all key lock cylinders, door hinges and latches, hood hinges and latches, and trunk lid hinges and latches. More frequent lubrication may be required when exposed to a corrosive environment. Applying silicone grease on weatherstrips with a clean cloth will make them last longer, seal better and not stick or squeak.
General for automatic transmission	Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions: In heavy city traffic where the outside temperature regularly reaches 32° C or higher. In hilly or mountainous terrain. When doing frequent trailer towing. Uses such as found in taxi, police or delivery service.
General for belts	Visually inspect belt for fraying, excessive cracks or obvious damage. Replace belt if necessary.
General all	Check all systems for interference or binding and for damaged or missing parts. Replace parts as needed. Replace any components that has excessive wear.
Tyre condition & inflation pressure	Tyre condition should be inspected before driving and tyre pressure should be checked each time you fill your fuel tank or at least once a month using a tyre pressure gauge.
Wheel alignment	If necessary, rotate and balance wheels.

Additional servicing

Extreme operating conditions ●

Extreme operating conditions are given when at least one of the following occurs frequently:

- Cold starts
- Stop and go
- Trailer towing
- Gradients and/or high altitudes
- Poor road surfaces
- Sand and dust
- Extreme temperature fluctuations

Police vehicles, taxis and driving school vehicles are also classified as operating under extreme conditions.

Under extreme operating conditions, it may be necessary to have certain scheduled service work done more frequently than the scheduled intervals.

Seek technical advice on the servicing requirements dependent on the specific operating conditions.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that have been tested and approved. Damage resulting from the use of non-approved materials will not be covered by the warranty.

Warning

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine oil

Engine oil is identified by its quality and its viscosity. 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 Petrol and diesel engines

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. Failure to use the recommended engine oil or equivalent can result in engine damage not covered by the vehicle warranty.

If you are unsure whether your oil is approved to the dexos specification, ask your service provider.

Use of substitute engine oils if dexos is unavailable: In the event that dexos approved engine oil is not available at an oil change or for maintaining proper oil level, you may use substitute engine oil of the qualities mentioned above. Use of oils that do not meet the dexos specification, however, may result in reduced performance under certain circumstances.

Topping up engine oil

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil (quality and viscosity).

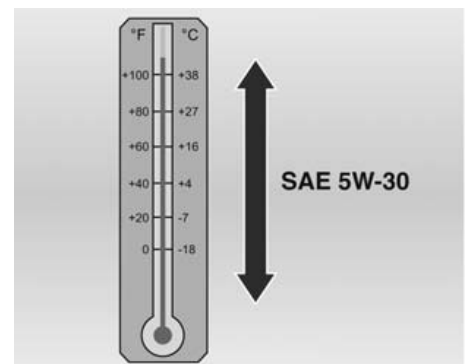
If engine oil of the required quality is not available, a maximum of 1 litre of ACEA A3/B4 or A3/B3 grade may be used (only once between each oil change). The viscosity should be of the correct rating.

Use of engine oil with only ACEA A1/B1 or only A5/B5 quality is prohibited, since it can cause long-term engine damage under certain operating conditions.

Engine oil additives

The use of engine oil additives could cause damage and invalidate the warranty.

Engine oil viscosity grades



SAE 5W-30 is the best viscosity grade for your vehicle. Do not use other viscosity grade oils such as SAE 10W-30, 10W-40 or 20W-50.

Cold temperature operation:

If in an area of extreme cold, where the temperature falls below -25°C , an SAE 0W-30 oil should be used. An oil of this viscosity grade will provide easier cold starting for the engine at extremely low temperatures. When selecting an oil of the appropriate

viscosity grade be sure to always select an oil that meets the dexos specification.

- Down to -25°C and below: 0W-30, 0W-40.
- Down to -25°C: 5W-30, 5W-40.

The SAE viscosity grade gives information of the thickness of the oil. Multigrade oil is indicated by two figures.

The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Coolant and antifreeze

Use only silicate-free long life coolant (LLC) antifreeze.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °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.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

Technical data

Vehicle identification

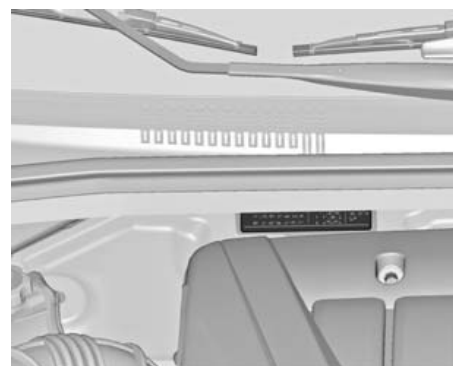
Vehicle Identification Number



The vehicle identification number is located in the vehicle floor on the right-hand side under a cover between the front door and seat.

Identification plate

Variant 1:

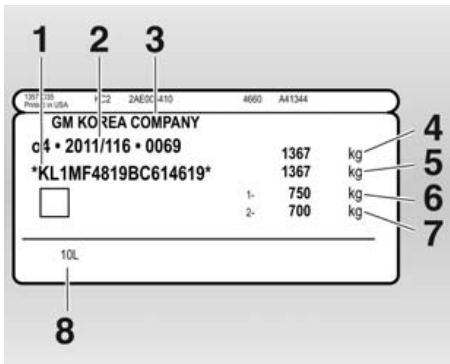


The identification plate is located in the engine compartment.

Variant 2:



The identification plate is located on the front left door frame.



Information on identification label:

- 1 = Vehicle Identification Number
- 2 = Type approval number
- 3 = Manufacturer
- 4 = Permissible gross vehicle weight rating (in kg)
- 5 = Permissible gross train weight (in kg)
- 6 = Maximum permissible front axle load (in kg)
- 7 = Maximum permissible rear axle load (in kg)
- 8 = Vehicle-specific or country specific data

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

Vehicle data

Engine data

Sales designation	1.8 D	2.0 Dsl
Engine identifier code	2H0	LNP
Number of cylinders	4	4
Piston displacement [cm ³]	1796	1998
Engine power [kW]	104	120 (96) ¹⁾
at rpm	6200	3800
Torque [Nm]	176	360 (315) ¹⁾
at rpm	3800	2000
Fuel type	Petrol	Diesel

¹⁾ Power reduced.

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Performance

Engine	2H0	LNP
Top speed ²⁾ [km/h]		
Manual transmission	185	195 (180) ³⁾
Automatic transmission	185	195

Fuel consumption - CO₂-emissions

Manual transmission / Automatic transmission.

Engine	2H0	LNP
urban [l/100 km]	9.7/11.2	7.9/9.3
extra-urban [l/100 km]	5.9/6.0	4.9/5.7
total [l/100 km]	7.3/7.9	6.0/7.0
CO ₂ [g/km]	172/186	159/186

²⁾ The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

³⁾ Power reduced.

Vehicle weight

Kerb weight, basic model without any optional equipment

	Engine	Manual transmission	Automatic transmission
[kg]	2H0	1603	1614
	LNP	1730	1734

Kerb weight, basic model with all optional equipment

	Engine	Manual transmission	Automatic transmission
[kg]	2H0	1685	1696
	LNP	1812	1816

Vehicle dimensions

Length [mm]	4652
Width without exterior mirrors [mm]	1836
Width with two exterior mirrors [mm]	— ⁴⁾
Height (without antenna and roof rack) [mm]	1633
Length of load compartment floor [mm]	— ⁴⁾

⁴⁾ Value was not available at time of printing.

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Load compartment width [mm]	4)
Load compartment height [mm]	4)
Wheelbase [mm]	2760
Turning circle diameter [m]	11,3

Capacities

Engine oil

Engine	2H0	LNP
including Filter [l]	4.5	5.6
between MIN and MAX [l]	1.0	1.2

Fuel tank

Petrol/diesel, nominal capacity [l]	64
-------------------------------------	----

4) Value was not available at time of printing.

Tyre pressures

Engine	Tyres	front [kPa/bar] ([psi]) ⁵⁾	rear [kPa/bar] ([psi]) ⁵⁾
2H0	215/60 R16, 215/55 R17, 225/50 R17, 235/45 R18	240/2.4 (35)	240/2.4 (35)
LNP	215/60 R16, 215/55 R17, 225/50 R17, 235/45 R18	240/2.4 (35)	240/2.4 (35)

⁵⁾ Eco pressure: 270/2.7 (39) [kPa/bar] ([psi]).

Customer information

Vehicle data recording and privacy

Event data recorders

The vehicle has a number of sophisticated systems that monitor and control several vehicle data. Some data may be stored during regular operation to facilitate repair of detected malfunctions, other data is stored only in a crash or near crash event by modules in your vehicle systems that have an event data recording function such as the airbag control module.

The systems may record diagnostic data about the condition of the vehicle (e.g. oil level or vehicle mileage) and information how it was operated (e.g. engine speed, brake application and seat belt usage).

To read this data special equipment and access to the vehicle is required. Some diagnostic data is electronically fed into Chevrolet global systems when the vehicle is serviced in a workshop, in order to document the

service history of the vehicle. This enables the workshop to offer you efficient maintenance and repair, tailored to your individual vehicle, each time you bring it back to the workshop.

The manufacturer will not access driver's behavior related information about a crash event or share it with others except:

- with the consent of the vehicle owner or, if the vehicle is leased, of the lessee
- in response to an official request of police or similar government office
- as part of the manufacturer's defense in case of legal proceedings
- as required by law

In addition, the manufacturer may use the collected or received diagnostic data:

- for the manufacturer's research needs
- to make it available for research needs where appropriate confidentiality is maintained and need is shown
- to share summary data which is not tied to a specific vehicle with other organisations for research purposes

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 key fobs for remote door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Chevrolet vehicles does not use or record personal information or link with any other Chevrolet system containing personal information.

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