Contents

A-Z

Owner's Manual for Vehicle

The Ultimate Driving Machine

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THE BMW 2 SERIES COUPE.

OWNER'S MANUAL.

BMW EfficientDynamics
Less emissions. More driving pleasure.

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2 Series

Owner's Manual for Vehicle

Thank you for choosing a BMW.

The more familiar you are with your vehicle, the better control you will have on the road. We therefore strongly suggest:

Read this Owner's Manual before starting off in your new BMW. Also use the Integrated Owner's Manual in your vehicle. It contains important information on vehicle operation that will help you make full use of the technical features available in your BMW. The manual also contains information designed to enhance operating reliability and road safety, and to contribute to maintaining the value of your BMW.

Any updates made after the editorial deadline for the printed or Integrated Owner's Manual are located in the appendix of the printed quick reference for the vehicle.

Supplementary information can be found in the additional brochures in the onboard literature.

We wish you a safe and enjoyable drive.

BMW AG

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BMW recommends Castrol

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Contents

The fastest way to find information on a particular topic or item is by using the index, refer to page 208.

6 Notes

At a glance
14 Cockpit
18 iDrive
26 Voice activation system
29 Integrated Owner's Manual in the vehicle

Controls
34 Opening and closing
48 Adjusting
59 Transporting children safely
63 Driving
75 Displays
90 Lamps
95 Safety
111 Driving stability control systems
115 Driving comfort
127 Climate control
134 Interior equipment
142 Storage compartments

Driving tips
148 Things to remember when driving
151 Loading
154 Saving fuel

Mobility
162 Refueling
164 Fuel
166 Wheels and tires
175 Engine compartment
177 Engine oil
180 Coolant
181 Maintenance
183 Replacing components
193 Breakdown assistance
199 Care

Reference
206 Technical data
208 Everything from A to Z

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Notes

Using this Owner's Manual

Orientation

The fastest way to find information on a particular topic is by using the index.

An initial overview of the vehicle is provided in the first chapter.

Updates made after the editorial deadline

Any updates made after the editorial deadline for the Owner's Manuals are located in the appendix of the printed quick reference for the vehicle.

User's manual for Navigation, Entertainment, Communication

The topics of Navigation, Entertainment, Communication and the short commands of the voice activation system are described in a separate user's manual, which is also included with the onboard literature.

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Additional sources of information

The service center will be happy to answer any other questions you may have.

Information on BMW, e.g., on technology, is available on the Internet: bmwusa.com.

Symbols

⚠ Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle.

◄ Marks the end of a specific item of information.

"..." Identifies Control Display texts used to select individual functions.

›...‹ Verbal instructions to use with the voice activation system.

»...« Identifies the answers generated by the voice activation system.

Refers to measures that can be taken to help protect the environment.

Symbols on vehicle components

Indicates that you should consult the relevant section of this Owner's Manual for information on a particular part or assembly.

Vehicle equipment

This Owner's Manual describes all models and all standard, country-specific and optional equipment that is offered in the model series. Therefore, in this Owner's Manual, equipment is also described and illustrated that is not available in your vehicle, e.g., because of the selected optional equipment or the country-specific variants.

This also applies for safety-related functions and systems.

For any options and equipment not described in this Owner's Handbook, refer to the Supplementary Owner's Handbooks.

On right-hand drive vehicles, some controls are arranged differently than shown in the illustrations.

Status of the Owner's Manual

Basic information

The manufacturer of your vehicle pursues a policy of constant development that is conceived to ensure that our vehicles continue to embody the highest quality and safety stan-

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dards. In rare cases, therefore, the features described in this Owner's Manual may differ from those in your vehicle.

Updates made after the editorial deadline

Any updates made after the editorial deadline for the Owner's Manuals are located in the appendix of the printed quick reference for the vehicle.

For your own safety

Warranty

Your vehicle is technically configured for the operating conditions and registration requirements applying in the country of first delivery - homologation. If your vehicle is to be operated in a different country it might be necessary to adapt your vehicle to potentially differing operating conditions and permit requirements. If your vehicle does not comply with the homologation requirements in a certain country you cannot lodge warranty claims for your vehicle there. Further information can be obtained from your Service Centre.

Maintenance and repairs

Advanced technology, e.g., the use of modern materials and high-performance electronics, requires suitable maintenance and repair methods.

Therefore, have this work performed only by a BMW center or a workshop that works according to BMW repair procedures with appropriately trained personnel.

If this work is not carried out properly, there is the danger of subsequent damage and related safety hazards.

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Parts and Accessories

BMW recommends using parts and accessories approved by BMW for this purpose.

Your BMW center is the right contact for genuine BMW parts and accessories, other products approved by BMW and related qualified advice.

BMW has tested these products for safety and suitability in relation to BMW vehicles.

BMW can assume responsibility for them. However, we cannot assume any responsibility whatsoever for parts and accessories that have not been specifically approved by BMW.

BMW cannot evaluate whether each individual product from another manufacturer can be used with BMW vehicles without presenting a safety hazard. This guarantee is also not applicable when country-specific government approval has been granted. Testing of this kind may fail to embrace the entire range of potential operating conditions to which components might be exposed on BMW vehicles. Such products could conceivably fail to comply with BMW's own stringent quality standards.

California Proposition 65 Warning

California laws require us to state the following warning:

Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit

chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling. Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing thoroughly with soap and water.

Service and warranty

We recommend that you read this publication thoroughly. Your vehicle is covered by the following warranties:

- ▷ New Vehicle Limited Warranty.
- ▷ Rust Perforation Limited Warranty.
- ▷ Federal Emissions System Defect Warranty.
- ▷ Federal Emissions Performance Warranty.
- ▷ California Emission Control System Limited Warranty.

Detailed information about these warranties is listed in the Service and Warranty Information Booklet for US models or in the Warranty and Service Guide Booklet for Canadian models.

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Your vehicle has been specifically adapted and designed to meet the particular operating conditions and homologation requirements in your country and continental region in order to deliver the full driving pleasure while the vehicle is operated under those conditions. If you wish to operate your vehicle in another country or region, you may be required to adapt your vehicle to meet different prevailing operating conditions and homologation requirements. You should also be aware of any applicable warranty limitations or exclusions for such country or region. In such case, please contact Customer Relations for further information.

Maintenance

Maintain the vehicle regularly to sustain the road safety, operational reliability and the New Vehicle Limited Warranty.

Specifications for required maintenance measures:

- ▷ BMW Maintenance system
- ▷ Service and Warranty Information Booklet for US models
- ▷ Warranty and Service Guide Booklet for Canadian models

If the vehicle is not maintained according to these specifications, this could result in serious damage to the vehicle. Such damage is not covered by the BMW New Vehicle Limited Warranty.

Data memory

Many electronic components on your vehicle are equipped with data memories that temporarily or permanently store technical information about the condition of the vehicle, events and faults. This technical information generally documents the state of a component, a module, a system or the environment:

- ▷ Operating states of system components, fill levels for instance.
- ▷ Status messages for the vehicle and from its individual components, e.g., wheel rotation speed/ vehicle speed, deceleration, transverse acceleration.
- ▷ Malfunctions and faults in important system components, e.g., lights and brakes.
- ▷ Responses by the vehicle to special situations, e.g., deployment of an airbag, engagement of stability control systems.
- ▷ Ambient conditions, such as temperature.

This data is purely technical in nature and is used to detect and correct faults and to optimize vehicle functions. Motion profiles over routes traveled cannot be created from this data. When service offerings are used, e.g., repair services, service processes, warranty claims, quality assurance, this technical information can be read out from the event and fault memories by the service personnel, in-

cluding the manufacturer, using special diagnostic tools. You can obtain further information there if it is needed. After a fault is corrected, the information in the fault memory is deleted or overwritten on a continuous basis.

When the vehicle is in use, situations are conceivable in which it might be possible to associate this technical data with individuals if it is combined with other information, e.g., an accident report, damage to the vehicle, eye witness accounts — possibly with the assistance of an expert.

Additional functions that are contractually agreed with the customer, such as vehicle locating in an emergency, enable certain vehicle data to be transmitted from the vehicle.

Event Data Recorder EDR

This vehicle is equipped with an event data recorder EDR. The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less.

The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating.
- Whether or not the driver and passenger safety belts were fastened.
- How far, if at all, the driver was depressing the accelerator and/or brake pedal.
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

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EDR data are recorded by your vehicle only if a nontrivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data, e.g., name, gender, age, and crash location, are recorded.

However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.

To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

Reporting safety defects

For US customers

The following only applies to vehicles owned and operated in the US.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration NHTSA, in addition to notifying BMW of North America, LLC, P.O. Box 1227, Westwood, New Jersey 07675-1227, Telephone 1-800-831-1117.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign.

However, NHTSA cannot become involved in individual problems between you, your dealer, or BMW of North America, LLC.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

For Canadian customers

Canadian customers who wish to report a safety-related defect to Transport Canada, Defect Investigations and Recalls, may telephone the toll-free hotline 1-800-333-0510. You can also obtain other information about motor vehicle safety from http://www.tc.gc.ca/roadsafety.

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At a glance

These overviews of buttons, switches and displays are intended to familiarize you with your vehicle. You will also become quickly acquainted with the available control concepts and options.

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Cockpit

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

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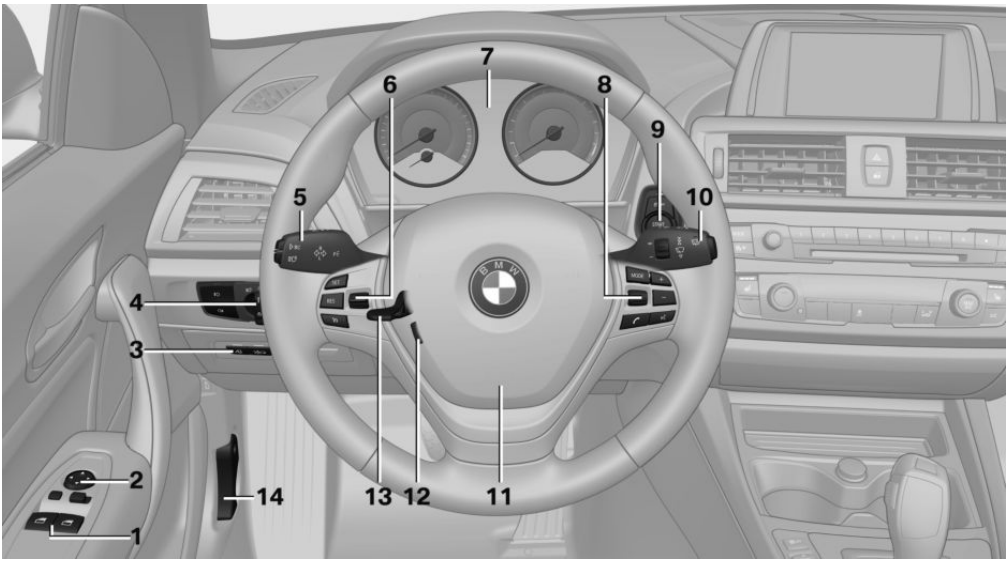
All around the steering wheel



1 Power windows 45

2 Exterior mirror operation 56

3 Glove compartment on the driver's side 143

Driver assistance systems

Intelligent Safety 103

Lane departure warning 109

4 Lamps

Front fog lamps 93

Parking lamps 90

Low beams 90

Automatic headlamp control 91

Daytime running lights 91

Adaptive Light Control 91

High-beam Assistant 92

Online Edition for Part no. 01 40 2 924 974 - X/13

Instrument lighting 93

Headlamp range control 92

5 Steering column stalk, left

Turn signal 68

High beams, head-lamp flasher 68

High-beam Assistant 92

Roadside parking lamps 91

Computer 85

6 Steering wheel buttons, left

Store speed 115

Resume speed 117

Cruise control on/off, interrupt-ing 115

Cruise control rocker switch 116

7 Instrument cluster 75

8 Steering wheel buttons, right

Entertainment source

CarManuals2.com

Volume

Voice activation 26

Telephone, see user's manual for Navigation, Entertainment and Communication

Thumbwheel for selection lists 84

9 Start/stop the engine and switch the ignition on/off 64

Auto Start/Stop function 65

10 Steering column stalk, right

Windshield wipers 68

Rain sensor 69

Clean the windshields and head-lamps 70

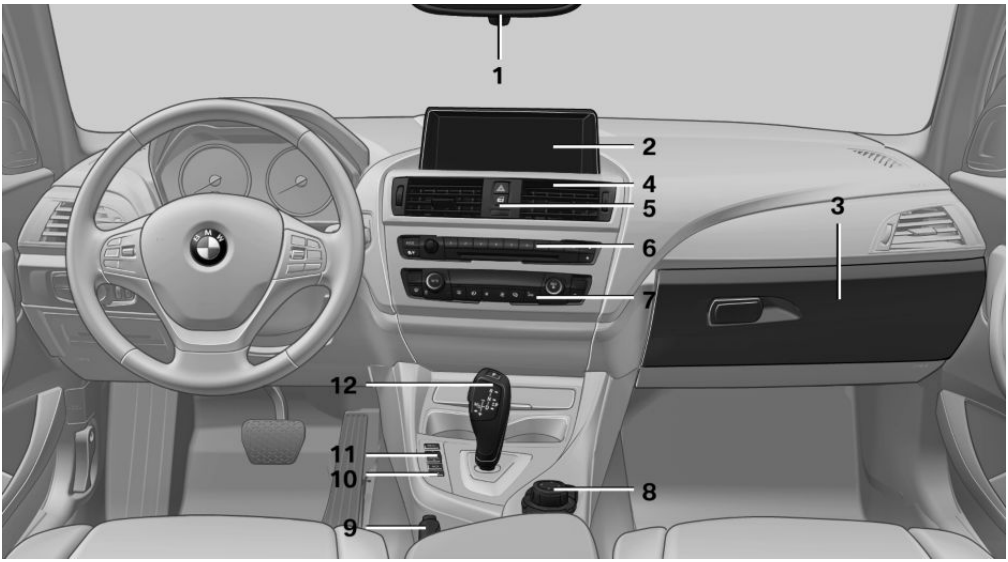
11 Horn

12 Steering wheel heating 58

13 Adjust steering wheel 57

14 Unlock hood 175

All around the center console



1 Headliner 17

2 Control Display 18

3 Glove compartment 142

4 Air vent 132

5 Hazard warning system 193

Central locking system 37

6 Radio/CD/Multimedia, see user's manual for Navigation, Entertainment and Communication

7 Climate control 127

8 Controller with buttons 18

9 Parking brake 67

10 PDC Park Distance Control 117

Rearview camera 119

Parking assistant 122

11 Driving Dynamics Control 112

Dynamic Stability Control 111

12 Automatic transmission selector lever 71

Manual transmission selector lever 71

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All around the headliner

1	SOS	Intelligent Emergency Request 193	4		Reading lamps 94
2		Glass sunroof 46	5		Interior lamps 94
3	PASS AIR BAG OFF	Indicator lamp, front passenger airbag 97			

iDrive

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

The concept

The iDrive combines the functions of a multitude of switches. Thus, these functions can be operated from a central location.

Using the iDrive during a trip

To avoid becoming distracted and posing an unnecessary hazard to your vehicle's occupants and to other road users, never attempt to use the controls or enter information unless traffic and road conditions allow this.◀

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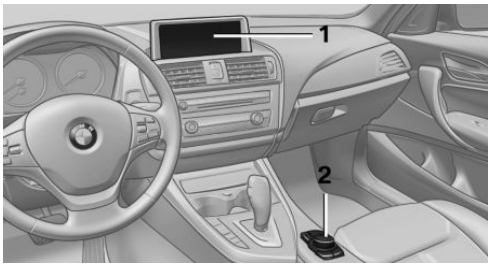
Controls at a glance

Controls



1 Control Display

2 Controller with buttons and, depending on the equipment version, with touchpad

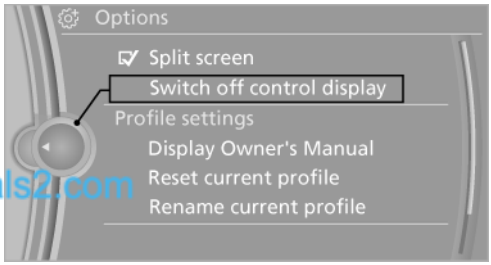
Control Display

Hints

- ▷ To clean the Control Display, follow the care instructions.
- ▷ Do not place objects close to the Control Display; otherwise, the Control Display can be damaged.

Switching off

1. OPTION Press the button.
2. "Switch off control display"



Switching on

Press the controller again to switch the screen back on.

Controller with navigation system

The buttons can be used to open the menus directly. The controller can be used to select menu items and create the settings.

Some iDrive functions can be operated using the touchpad on the controller.

1. Turn.

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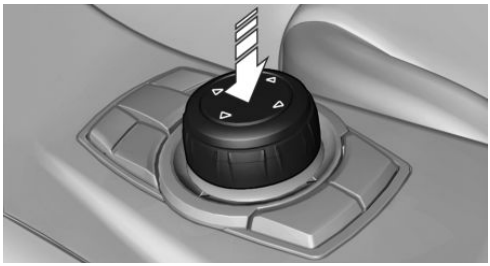
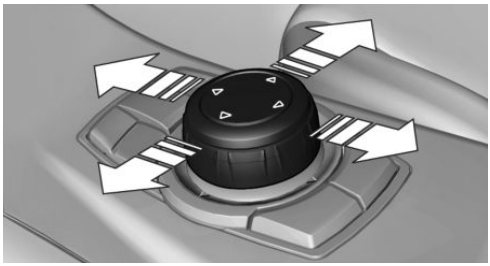
2. Press.



3. Move in four directions.



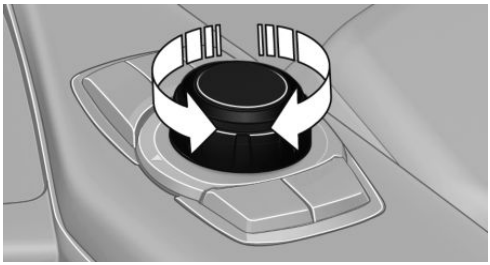
Buttons on controller

Press the button	Function
MENU	Open the main menu.
RADIO	Opens the Radio menu.
MEDIA	Opens the CD/Multimedia menu.
NAV	Opens the Navigation menu.
TEL	Opens the Telephone menu.
BACK	Displays the previous panel.
OPTION	Opens the Options menu.

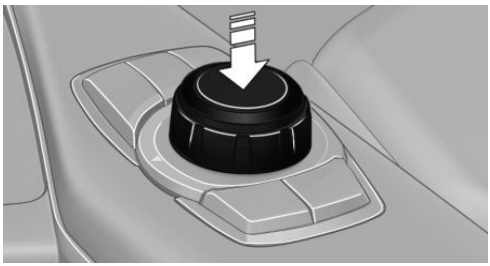
Controller without navigation system

The buttons can be used to open the menus directly. The controller can be used to select menu items and create the settings.

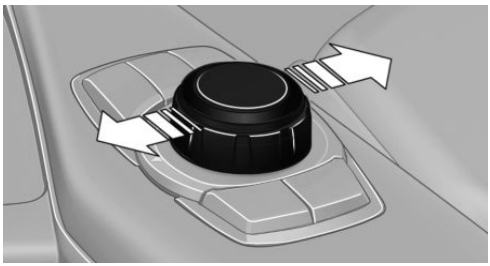
1. Turn.



2. Press.



3. Move in two directions.



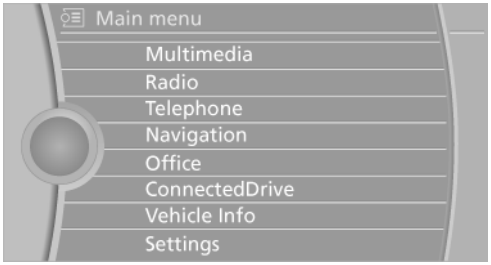
Buttons on controller

Press the button	Function
MENU	Open the main menu.
Audio	Open audio menu last listened to, switch between audio menus.
TEL	Opens the Telephone menu.
BACK	Open previous panel.
OPTION	Opens the Options menu.

Operating concept

Opening the main menu

Press the button.



The main menu is displayed.

All iDrive functions can be called up via the main menu.

Selecting menu items

Highlighted menu items can be selected.

1. Turn the controller until the desired menu item is highlighted.

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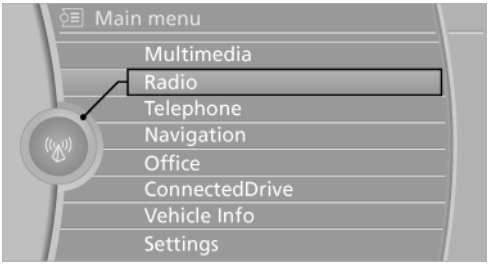


2. Press the controller.

Menu items in the Owner's Manual

In the Owner's Manual, menu items that can be selected are set in quotation marks, e.g., "Settings".

Changing between panels

After a menu item is selected, e.g., "Radio", a new panel is displayed. Panels can overlap.

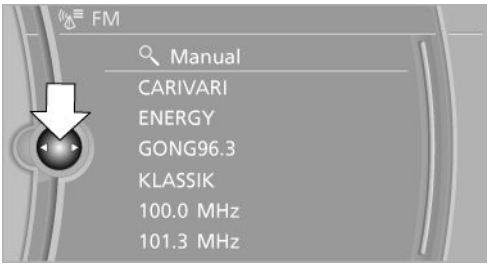
▷ Move the controller to the left.

The current panel is closed and the previous panel is displayed.

The previous panel is opened again by pressing the BACK button. In this case, the current panel is not closed.

▷ Move the controller to the right.

A new panel is opened on top of the previous display.



White arrows pointing to the left or right indicate that additional panels can be opened.

View of an opened menu

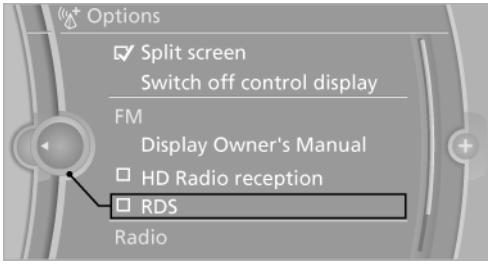
When a menu is opened, it generally opens with the panel that was last selected in that menu. To display the first panel of a menu:

- ▷ Move the controller to the left repeatedly until the first panel is displayed.
- ▷ Press the menu button on the controller twice.

Opening the Options menu

Press the button.

The "Options" menu is displayed.



Additional options: move the controller to the right repeatedly until the "Options" menu is displayed.

Options menu

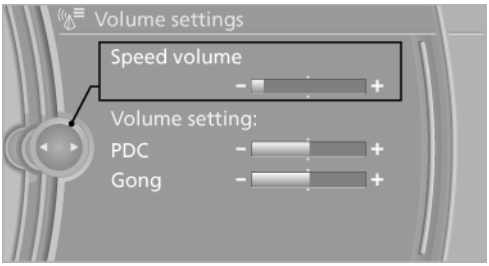
The "Options" menu consists of various areas:

- ▷ Screen settings, e.g., "Split screen".

  This area remains unchanged.
- ▷ Control options for the selected main menu, e.g., for "Radio".
- ▷ If applicable, further operating options for the selected menu, e.g., "Store station".

Changing settings

1. Select a field.
2. Turn the controller until the desired setting is displayed.



3. Press the controller.

Activating/deactivating the functions

Several menu items are preceded by a checkbox. It indicates whether the function is activated or deactivated. Selecting the menu item activates or deactivates the function.

☑ The function is activated.

☐ The function is deactivated.

Touchpad

Some iDrive functions can be operated using the touchpad on the controller:

Selecting functions

1. "Settings"
2. "Touchpad"
3. Select the desired function.
   - ▷ "Speller": enter letters and numbers.
   - ▷ "Interactive map": operating the interactive map.
   - ▷ "Browser": enter Internet addresses.
   - ▷ "Audio feedback": the entered letters and numbers are announced.

Entering letters and numbers

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The entry of the letters requires some practice at the beginning. In the entry, pay attention to the following:

- For the input of upper/lower case letters and numbers, it may be necessary to switch via the controller to the corresponding Input mode, refer to page 25, e.g. when the spelling of upper and lower case letters is identical.
- Enter characters as they are displayed on the Control Display.
- Always enter accompanying signs, such as accents or periods so that the letter can be clearly recognized. The possibility of input depends on the set language. Where necessary, enter special characters via the controller.
- To delete a character, slide to the left on the touchpad.
- To enter a blank space, slide to the right in the center of the touchpad.
- To enter a hyphen, slide to the right in the upper area of the touchpad.
- To enter an underscore, slide to the right in the lower area of the touchpad.

Using interactive map and Internet

The interactive map in the navigation system and Internet sites can be moved via the touchpad.

Function	Controls
Move interactive map or Internet sites.	Slide in the corresponding direction.
Enlarge/shrink interactive map or Internet sites.	Drag inwards or outwards on the touchpad with the fingers.
Display the menu or open a link in the Internet.	Tap once.

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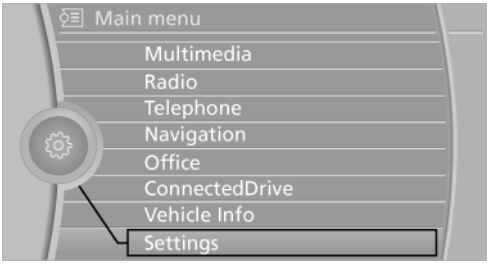
Changing settings

Settings on the control display, such as the volume, can be made via the touchpad. To do this slide to the left or right accordingly.

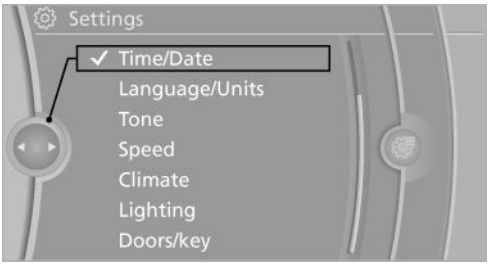
Example: setting the clock

Setting the clock

1. MENU Press the button. The main menu is displayed.
2. Turn the controller until "Settings" is highlighted, and then press the controller.



3. If necessary, move the controller to the left to display "Time/Date".
4. Turn the controller until "Time/Date" is highlighted, and then press the controller.



5. Turn the controller until "Time:" is highlighted, and then press the controller.

6. Turn the controller to set the hours and press the controller.
7. Turn the controller to set the minutes and press the controller.

Status information

Status field

The following information is displayed in the status field at the top right:

- ▷ Time.
- ▷ Current entertainment source.
- ▷ Sound output, on/off.
- ▷ Wireless network reception strength.
- ▷ Telephone status.
- ▷ Traffic bulletin reception.

Status field symbols

The symbols are grouped as follows.

Radio symbols

Symbol	Meaning
	Satellite radio is switched on.

Telephone symbols

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Symbol	Meaning
	Incoming or outgoing call.
	Missed call.
	Wireless network reception strength. Symbol flashes: network search.
	Wireless network is not available.
	Bluetooth is switched on.
	Roaming is active.
	Text message was received.
	Check the SIM card.
	SIM card is blocked.
	SIM card is missing.
	Enter the PIN.

Entertainment symbols

Symbol	Meaning
	CD/DVD player.
	Music collection.
gracenote	Gracenote® database.
	AUX-IN port.
	USB audio interface.
	Mobile phone audio interface.

Additional symbols

Symbol	Meaning
	Spoken instructions are switched off.

Split screen

General information

Additional information can be displayed on the right side of the split screen, e.g., information from the onboard computer.

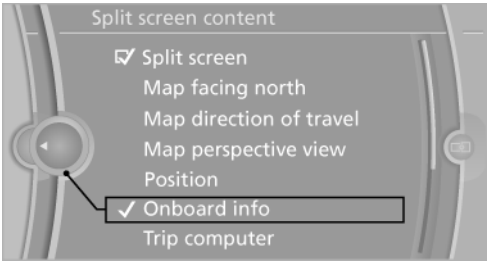
In the divided screen view, the so-called split screen, this information remains visible even when you change to another menu.

Switching the split screen on and off

1. OPTION Press the button.
2. "Split screen"

Selecting the display

1. OPTION Press the button.
2. "Split screen"
3. Move the controller until the split screen is selected.
4. Press the controller or select "Split screen content".
5. Select the desired menu item.



Programmable memory buttons

General information

The iDrive functions can be stored on the programmable memory buttons and called up directly, e.g., radio stations, navigation destinations, phone numbers and entry points into the menu.

The settings are stored for the remote control currently in use.

Without navigation system and telephone

Only radio stations can be stored on the buttons, refer to user's manual for Navigation, Entertainment, Communication.

Saving a function

1. Highlight the function via the iDrive.
2. 1 … 8 Press the desired button for more than 2 seconds.

Running a function

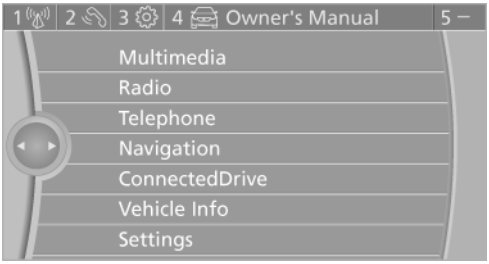
1 … 8 Press the button.

The function will run immediately. This means, for example, that the number is dialed when a phone number is selected.

Displaying the button assignment

Use a finger to touch the buttons. Do not wear gloves or use objects.

The key assignment is displayed at the top edge of the screen.



▷ To display short information: touch the button.

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▷ To display detailed information: touch the button for an extended period.

Deleting the button assignments

1. Press buttons 1 and 8 simultaneously for approx. five seconds.
2. "OK"

Entering letters and numbers

General information

1. Turn the controller: select letters or numbers.
2. Select additional letters or numbers if needed.
3. "OK": confirm the entry.

Symbol	Function
I←	Press the controller: delete the letter or number.
I←	Press the controller for an extended period: delete all letters or numbers.

Switching between cases, letters and numbers

Depending on the menu, you can switch between entering upper and lower case, letters and numbers:

Symbol	Function
ABC	Enter the letters.
1@+	Enter the numbers.
abc or ABC	Move the controller up.

Without navigation system

@A Aa a@ Select the symbol.

Entry comparison

Entry of names and addresses: the selection is narrowed down every time a letter is entered and letters may be added automatically.

The entries are continuously compared to the data stored in the vehicle.

- ▷ Only those letters are offered during the entry for which data is available.
- ▷ Destination search: town/city names can be entered using the spelling of language available on the Control Display.

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Voice activation system

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

The concept

- ▷ Most functions that are displayed on the Control Display can be operated by spoken commands via the voice activation system. The system prompts you to make your entries.
- ▷ Functions that can only be used when the vehicle is stationary cannot be operated using the voice activation system.
- ▷ The system uses a special microphone on the driver's side.
- ▷ ›...‹ Verbal instructions in the Owner's Manual to use with the voice activation system.

Requirements

Via the Control Display, set a language that is also supported by the voice activation system so that the spoken commands can be identified.

Set the language, refer to page 88.

Using voice activation

Activating the voice activation system

1. Press the button on the steering wheel.
2. Wait for the signal.
3. Say the command.

   The command is displayed in the instrument cluster.

This symbol in the instrument cluster indicates that the voice activation system is active.

If no other commands are available, operate the function in this case via iDrive.

Terminating the voice activation system

Briefly press the button on the steering wheel or ›End‹.

Possible commands

Most menu items on the Control Display can be voiced as commands.

The available commands depend on which menu is currently displayed on the Control Display.

Short commands exist for many functions.

Some list entries, e.g., Phone book entries, can also be selected via the voice activation system. Speak these list entries exactly as they are displayed in the respective list.

Having possible commands read aloud

You can have the available commands read out loud for you: ›commands‹

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For example, if the "Settings" menu is displayed, the commands for the settings are read out loud.

Executing functions using short commands

Functions on the main menu can be performed directly by means of short commands, nearly irrespective of which menu item is currently selected, e.g., ›Vehicle status‹.

List of short commands of the voice activation system, see Navigation, Entertainment, Communication Owner's Manual.

Help dialog for the voice activation system

Calling up help dialog: ›Help‹

Additional commands for the help dialog:

- ▷ ›Help with examples‹: information about the current operating options and the most important commands for them are announced.
- ▷ ›Help voice activation‹: information about the principle of operation for the voice activation system is announced.

Example: playing back a CD

Via the main menu

The commands of the menu items are spoken just as they are selected via the controller.

1. Switch on the Entertainment sound output if necessary.
2. Press the button on the steering wheel.
3. ›Media menu‹

   The medium last played is played back.
4. ›C D‹
5. ›C D drive‹
6. ›Disc ... Track ...‹, e.g., CD track 4.

Via short command

Playback of the CD can also be started via a short command.

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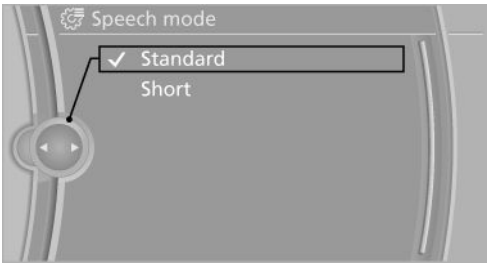
1. Switch on the Entertainment sound output if necessary.
2. Press the button on the steering wheel.
3. ›Disc ... Track ...‹, e.g., CD track 4.

Setting the voice dialog

You can set whether the system should use the standard dialog or a shorter version.

In the shorter variant of the voice dialog, the announcements from the system are issued in an abbreviated form.

1. "Settings"
2. "Language/Units"
3. "Speech type:"
4. Select the setting.



Adjusting the volume

Turn the volume button while giving an instruction until the desired volume is set.

- ▷ The volume remains constant even if the volume of other audio sources is changed.
- ▷ The volume is stored for the remote control currently in use.

Hints on Emergency Requests

Do not use the voice activation system to initiate an Emergency Request. In stressful situations, the voice and vocal pitch can change. This can unnecessarily delay the establishment of a telephone connection.

Instead, use the SOS button, refer to page 193, in the vicinity of the interior mirror.

Environmental conditions

- ▷ Say the commands, numbers, and letters smoothly and with normal volume, emphasis, and speed.
- ▷ Always say commands in the language of the voice activation system.
- ▷ Keep the doors, windows, and glass sunroof closed to prevent noise interference.
- ▷ Avoid making other noise in the vehicle while speaking.

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Integrated Owner's Manual in the vehicle

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Integrated Owner's Manual in the vehicle

The Integrated Owner's Manual can be displayed on the Control Display. The equipment and functions that are in the vehicle are described therein.

Components of the Integrated Owner's Manual

The Integrated Owner's Manual consists of three parts, which offer various levels of information or access possibilities.

Quick Reference Guide

Located in the Quick Reference is important information for the operation of the vehicle, the operation of basic vehicle functions or for what to do in the event of a flat tire. This information can also be displayed during driving.

Search by pictures

Information and descriptions based on illustrations can be searched via search by pictures. This is helpful, for example, if the description of an outfitting package that cannot be named is needed.

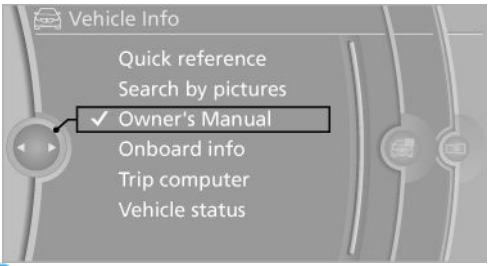
Owner's Manual

Information and descriptions can be searched by direct entry of a search term via the index.

Select components

1.

Press the button.
2. Turn the controller: open "Vehicle Info".
3. Press the controller.
4. Selecting desired range:
   - ▷ "Quick reference"
   - ▷ "Search by pictures"
   - ▷ "Owner's Manual"



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Leafing through the Owner's Manual

Page by page with link access

Turn the controller until the next or previous page is displayed.

Page by page without link access

Leaf through the pages directly while skipping the links.

Highlight the symbol once. Now simply press the controller to leaf from page to page.

Leaf back.

Leaf forward.

Context help - Owner's Manual to the temporarily selected function

The relevant information can be opened directly.

Opening via the iDrive

To move directly from the application on the Control Display to the options menu:

1. OPTION Press the button or move the controller to the right repeatedly until the "Options" menu is displayed.
2. "Display Owner's Manual"

Opening when a Check Control message is displayed

Directly from the Check Control message on the Control Display:

"Display Owner's Manual"

Changing between a function and the Owner's Manual

To change from a function, e.g., radio, to the Owner's Manual on the Control Display and to switch between the two displays:

1. OPTION Press the button or move the controller to the right repeatedly until the "Options" menu is displayed.
2. "Display Owner's Manual"
3. Select the desired page in the Owner's Manual.
4. OPTION Press the button again to return to the function displayed last.
5. BACK Press the button to return to the page of the Owner's Manual displayed last.

To switch back and forth repeatedly between the function displayed last and the page of the Owner's Manual displayed last, repeat steps 4 and 5. This opens a new panel every time.

Programmable memory buttons

General information

The Owner's Manual can be stored on the programmable memory buttons and called up directly.

Storing

1. "Owner's Manual" Select via the iDrive.
2. 1...8 Press the desired button for more than 2 seconds.

Executing

1...8 Press the button.

The Owner's Manual is displayed immediately.

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Controls

This chapter is intended to provide you with information that will give you complete control of your vehicle. All features and accessories that are useful for driving and your safety, comfort and convenience are described here.

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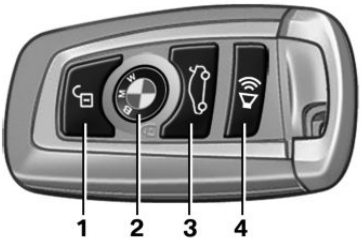
Opening and closing

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Remote control/key

Buttons on the remote control



1 Unlocking
2 Locking
3 Opening the trunk lid
4 Panic mode in alarm system

General information

The vehicle is supplied with two remote controls with keys.

Every remote control contains a replaceable battery.

The settings called up and implemented when the car is unlocked depend on which remote control is used to unlock the car. Personal Profile, refer to page 35.

Information on the required maintenance is stored in the remote control as well. Service data in the remote control, refer to page 181

Integrated key

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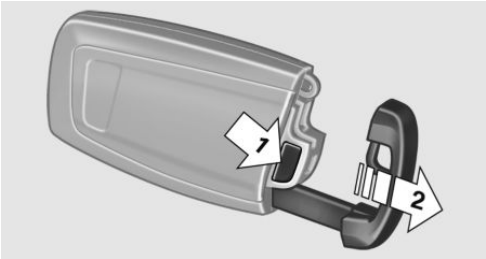


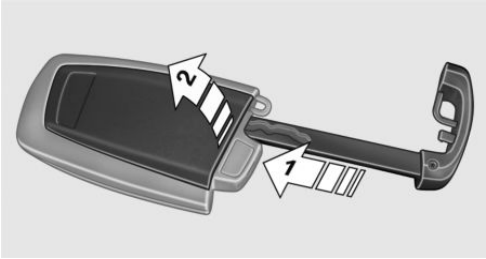
Press the button on the back of the remote control, arrow 1, and pull out the key, arrow 2.

The integrated key fits the following locks:

- ▷ Driver's door.
- ▷ Glove compartment on the front passenger side.

The front passenger glove compartment contains a switch for separately securing the trunk lid, refer to page 41.

Replacing the battery



1. Take the integrated key out of the remote control.
2. Push in the catch with the key, arrow 1.
3. Remove the cover of the battery compartment, arrow 2.
4. Insert a battery of the same type with the positive side facing upwards.
5. Press the cover closed.

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Take the used battery to a recycling center or to your service center.

New remote controls

New remote controls are available from the service center.

Loss of the remote controls

Lost remote controls can be blocked by your service center.

Emergency detection of remote control

It is possible to switch on the ignition or start the engine in situations such as the following:

- ▷ Interference of radio transmission to remote control by external sources.
- ▷ Discharged battery in the remote control.
- ▷ Interference of radio transmission by mobile devices in close proximity to the remote control.
- ▷ Interference of radio transmission by charger while charging items such as mobile devices in the vehicle.

A Check Control message is displayed if an attempt is made to switch on the ignition or start the engine.

Starting the engine with emergency detection of the remote control

Automatic transmission: if a corresponding Check Control message appears, hold the remote control, as shown, against the marked area on the steering column and press the Start/Stop button within 10 seconds while pressing the brake.

Manual transmission: if a corresponding Check Control message appears, hold the remote control, as shown, against the marked area on the steering column and press the Start/Stop button within 10 seconds while pressing the clutch pedal.

Personal Profile

The concept

You can set several of your vehicle's functions to suit your personal needs and preferences.

- ▷ The settings are automatically saved in the profile currently activated.
- ▷ The remote control used is detected when the vehicle is unlocked and the stored profile is called up.
- ▷ Your personal settings will be recognized and called up again even if the vehicle has been used in the meantime by someone else with another remote control.

The individual settings are stored for three Personal Profiles and one guest profile.

Transmitting the settings

Your personal settings can be taken with you to another vehicle equipped with the Personal Profile function. Additional information is available from the service center.

The settings are transmitted as follows:

- ▷ Via the USB interface for data transfer.
- ▷ BMW Online.

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Profile management

Opening the profiles

A different profile can be called up than the one associated with the remote control currently in use.

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1. "Settings"
2. "Profiles"
3. Select a profile.

Called up profile is assigned to the remote control being used at the time.

Renaming profiles

1. "Settings"
2. "Profiles"

   The current profile is selected.
3. Open "Options".
4. "Rename current profile"

Resetting profiles

The settings of the active profile are reset to their default values.

1. "Settings"
2. "Profiles"

   The current profile is selected.
3. Open "Options".
4. "Reset current profile"

Importing profiles

Existing settings and contacts are overwritten with the imported profile.

1. "Settings"
2. "Profiles"
3. "Import profile"
4. BMW Online: "BMW Online"

   USB interface: "USB device"

Exporting profiles

Most settings of the active profile and the saved contacts can be exported.

This can be helpful for securing and retrieving personal settings, before delivering the vehicle to a workshop for example.

1. "Settings"
2. "Profiles"
3. "Export profile"
4. BMW Online: "BMW Online"

   USB interface: "USB device"

Using the guest profile

The guest profile can be used to make individual settings without affecting the three Personal Profiles.

This can be useful for drivers who are using the vehicle temporarily and do not have their own profile.

1. "Settings"
2. "Profiles"

   The current profile is selected.
3. Open "Guest".
4. Adjust the settings.

Note: the guest profile cannot be renamed.

Display profile list during start

The profile list can be displayed during each start for selecting the desired profile.

1. "Settings"
2. "Profiles"
3. Open "Options".
4. "Display user list at startup"

Personal Profile settings

The following functions and settings can be stored in a profile.

- ▷ Collision warning: warning time.
- ▷ Exterior mirror position.

- CD/Multimedia: audio source listened to last.
- Unlocking/locking of the vehicle: settings.
- Driving Dynamics Control: sport program
- Driver's seat position: automatically retrieved after unlocking.
- Programmable memory buttons: assignment.
- Headlamp courtesy delay feature: time setting.
- Tone: tone settings.
- Automatic climate control/Automatic climate control with enhanced features: settings.
- Navigation: map views, route criteria, voice output on/off.
- Park Distance Control PDC: adjusting the signal tone volume.
- Radio: stored stations, station listened to last, special settings.
- Rearview camera: selection of functions and type of display.
- Language on the Control Display.
- Lane departure warning: last setting, on/off.
- Daytime running lights: current setting.
- Triple turn signal activation.
- Locking the vehicle: after a brief period or after starting to drive.

Central locking system

The concept

The central locking system becomes active when the driver's door is closed.

The system simultaneously engages and releases the locks on the following:

- Doors.
- Trunk lid.
- Fuel filler flap.

Operating from the outside

- Via the remote control.
- Via the door handles of the driver's and front passenger doors.

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The following takes place simultaneously when locking/unlocking the vehicle via the remote control:

- Depending on how the vehicle is equipped, the theft protection is activated/deactivated. Theft protection prevents the doors from being unlocked using the lock buttons or the door opener.
- The welcome lamps, interior lamps and courtesy lamps are switched on and off.
- The alarm system, refer to page 43, is armed or disarmed.

Operating from the inside

Via the button for the central locking system.

If the vehicle has been locked from inside, the fuel filler flap remains unlocked.

If an accident of a certain severity occurs, the central locking system unlocks automatically.

The hazard warning system and interior lamps come on.

Opening and closing: from the outside

Using the remote control

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General information

Take the remote control with you

People or animals left unattended in a parked vehicle can lock the doors from the inside. Always take the remote control with you when leaving the vehicle so that the vehicle can then be opened from the outside.◀

Unlocking

Press the button on the remote control.

The vehicle is unlocked.

Welcome lamps, interior lamp and courtesy lamps are switched on.

You can set how the vehicle is to be unlocked. Create the settings, refer to page 42.

Convenient opening

The remote control can be used to simultaneously open the windows and the glass sunroof.

Press and hold the button on the remote control.

The windows and the glass sunroof open.

Releasing the button stops the motion.

Locking

Press the button on the remote control.

Locking from the outside

Do not lock the vehicle from the outside if there are people in it, as the vehicle cannot be unlocked from inside without special knowledge.◀

Switching on interior lamps and courtesy lamps

Press the button on the remote control with the vehicle locked.

If the button is pressed again within 10 seconds of when the vehicle was locked Interior motion sensor and tilt alarm sensor of the anti-theft warning system, refer to page 44, are switched off. After locking, wait 10 seconds before interior lamps and courtesy lamps are switched on.

Panic mode

You can trigger the alarm system if you find yourself in a dangerous situation.

Press the button on the remote control for at least 3 seconds.

To switch off the alarm: press any button.

Opening the trunk lid

Press the button on the remote control for approx. 1 second.

The trunk lid opens slightly, regardless of whether it was previously locked or unlocked.

In some vehicle equipment variants, the trunk lid can only be opened using the remote control if the vehicle has been unlocked.

Do not place the remote control in the cargo area

Take the remote control with you and do not leave it in the cargo area; otherwise, the remote control is locked inside the vehicle when the trunk lid is closed.◀

The trunk lid is locked again as soon as it is pushed closed.

Malfunction

If the vehicle can no longer be locked or unlocked with the remote control, the battery may be discharged or there may be interference from external sources such as mobile

phones, metal objects, overhead power lines, transmission towers, etc.

If this occurs, lock or unlock the driver's door at the door lock using the integrated key.

For US owners only

The transmitter and receiver units comply with part 15 of the FCC/Federal Communication Commission regulations. Operation is governed by the following:

FCC ID:

- ▷ LX8766S.
- ▷ LX8766E.
- ▷ LX8CAS.
- ▷ LX8CAS2.
- ▷ MYTCAS4.

Compliance statement:

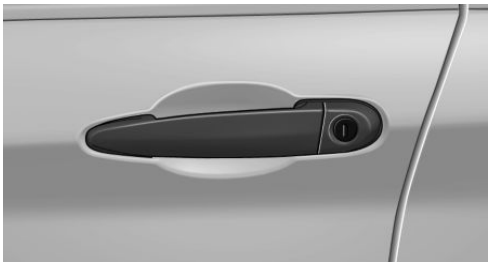
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- ▷ This device may not cause harmful interference, and
- ▷ this device must accept any interference received, including interference that may cause undesired operation.

Any unauthorized modifications or changes to these devices could void the user's authority to operate this equipment.

Using the door lock

General information



⚠ Locking from the outside

Do not lock the vehicle from the outside if there are people in it, as the vehicle cannot be unlocked from inside without special knowledge.◂

The alarm system is triggered when the door is opened, if the vehicle is unlocked via the door lock.

In order to terminate this alarm, unlock vehicle with the remote control or switch on the ignition, if necessary, by emergency detection of the remote control.

Only the driver's door is unlocked or locked via the door lock.

Locking the doors and trunk lid at once

To lock all doors and the trunk lid at once:

1. With the doors closed, lock the vehicle using the button for the central locking system in the interior.
2. Unlock and open the driver's or front passenger door.
3. Lock the vehicle.
   - ▷ Lock the driver's door using the integrated key in the door lock, or
   - ▷ Press down the lock button of the front passenger door and close the door from the outside.

The fuel filler flap can only be locked using the remote control.

Manual operation

If an electrical malfunction occurs, lock or unlock the vehicle using the integrated key via the door lock on the driver's door.

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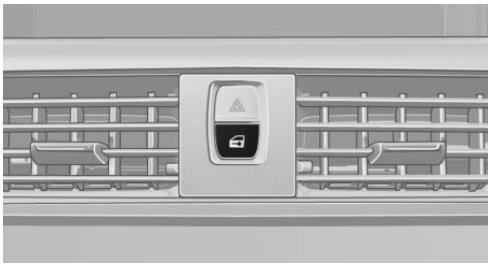
Opening and closing: from the inside

Locking and unlocking



Pressing the buttons locks and unlocks the doors and the trunk lid when the front doors are closed, but they are not secured against theft.

The fuel filler flap remains unlocked.

Unlocking and opening

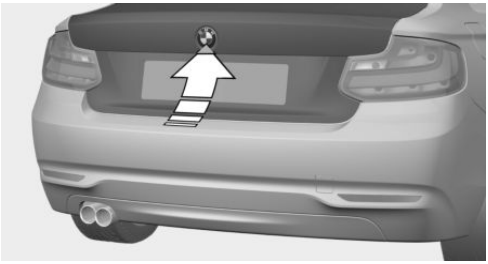
- ▷ Either unlock the doors together using the button for the central locking system and then pull the door handle above the armrest or
- ▷ Pull the door opener twice individually on each door: the first time unlocks the door, the second time opens it.

Trunk lid

Opening

During opening, the trunk lid pivots back and up. Ensure that adequate clearance is available before opening.

Opening from the outside



- ▷ Press the button on the trunk lid.
- ▷ Press the button on the remote control for approx. 1 second.

Opening from the inside

Push the button in the driver's footwell.

The trunk lid is unlatched if the vehicle is stationary, provided that the tailgate has not been locked.

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Closing

Recessed grips in the interior trim of the trunk lid make it easier to pull down the lid.

Keep the closing path clear

Make sure that the closing path of the trunk lid is clear; otherwise, injuries may result.◂

Do not place the remote control in the cargo area

Take the remote control with you and do not leave it in the cargo area; otherwise, the re-

mote control is locked inside the vehicle when the trunk lid is closed.◀

Locking separately

The trunk lid can be locked separately with the switch in the front passenger glove compartment.

- ▷ Trunk lid secured, arrow 1.
- ▷ Trunk lid not secured, arrow 2.

Slide the switch into the arrow 1 position. This secures the trunk lid and disconnects it from the central locking system.

If the glove compartment on the front passenger side is locked, the trunk lid cannot be opened.

This is beneficial when the vehicle is parked using valet service. The infrared remote control can be handed out without the key.

Emergency unlocking

Pull the handle inside the cargo area.

The trunk lid unlocks.

Comfort Access

The concept

The vehicle can be accessed without activating the remote control.

All you need to do is to have the remote control with you, e.g., in your jacket pocket.

The vehicle automatically detects the remote control when it is nearby or in the passenger compartment.

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Comfort Access supports the following functions:

- ▷ Unlocking/locking of the vehicle.
- ▷ Convenient closing.
- ▷ Unlocking of the trunk lid separately.
- ▷ Start the engine.

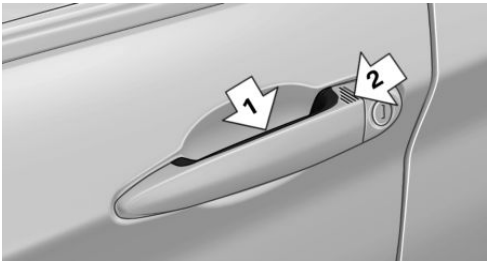
Functional requirements

- ▷ There are no external sources of interference nearby.
- ▷ To lock the vehicle, the remote control must be located outside of the vehicle.
- ▷ The next unlocking and locking cycle is not possible until after approx. 2 seconds.
- ▷ The engine can only be started if the remote control is in the vehicle.

Comparison with ordinary remote control

The functions can be controlled by pressing the buttons of the remote control or Comfort Access.

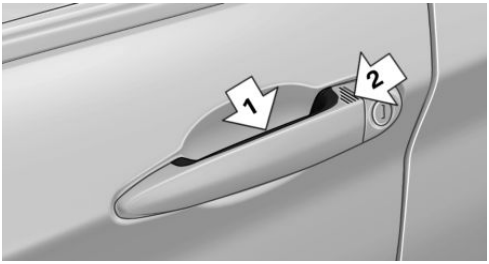
Unlocking



Grasp the door handle on the driver's or front passenger door completely, arrow 1.

This corresponds to pressing the button on the remote control.

Locking



Press the area on the door handle, arrow 2, with your finger for approx. 1 second.

This corresponds to pressing the button on the remote control.

To save battery power, ensure that the ignition and all electronic systems and/or power consumers are switched off before locking the vehicle.

Convenient closing

Press the area on the door handle, arrow 2, with the finger and hold it down.

In addition to locking, the windows and the glass sunroof are closed.

Monitor the closing process

Monitor the closing process to ensure that no one becomes trapped.◂

Unlocking the trunk lid separately

This corresponds to pressing the button on the remote control.

Do not place the remote control in the cargo area

Take the remote control with you and do not leave it in the cargo area; otherwise, the remote control is locked inside the vehicle when the trunk lid is closed.◂

Malfunction

Comfort Access may not function properly if it experiences interference from external sources such as mobile phones, metal objects, overhead power lines, transmission towers, etc.

In this case, open or close the vehicle using the buttons on the remote control or use the integrated key in the door lock.

If there is a malfunction, open the trunk lid with the remote control button or with the button on the trunk lid.

Adjusting

Unlocking

The setting is stored for the remote control currently in use.

1. "Settings"
2. "Doors/key"
3. Select symbol or "Unlock button:".
4. Select the desired function:
   - ▷ "Driver's door only"

     Only the driver's door and the fuel filler flap are unlocked. Pressing again unlocks the entire vehicle.
   - ▷ "All doors"

     The entire vehicle is unlocked.

   Depending on how the vehicle is equipped or the country-specific variant, you can set whether the doors are also unlocked with the button on the remote control.

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Confirmation signals from the vehicle

1. "Settings"
2. "Doors/key"
3. Deactivate or activate the desired confirmation signals.
   - ▷ "Acoustic sig. lock/unlock"
   - ▷ "Flash when lock/unlock"

Automatic locking

The setting is stored for the remote control currently in use.

1. "Settings"
2. "Doors/key"
3. Select the desired function:
   - ▷ "Lock if no door is opened"

     The vehicle locks automatically after a short period of time if a door is not opened.
   - ▷ "Lock after start driving"

     The vehicle locks automatically after you drive away.

Retrieving the seat and mirror settings

The driver's seat and exterior mirror positions used last are stored for the remote control currently in use.

When the vehicle is unlocked, these positions are automatically retrieved if this function was activated.

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Pinch hazard when moving back the seat

If this function is used, first make sure that the footwell behind the driver's seat is empty. Otherwise, people can be injured or objects damaged when the seat is moved back.◂

The adjustment procedure is interrupted:

- ▷ When a seat position switch is pressed.
- ▷ When a button of the seat and mirror memory is pressed.

Activating the setting

1. "Settings"
2. "Doors/key"
3. "Last seat position autom."

Alarm system

The concept

The vehicle alarm system responds to:

- ▷ Opening of a door, the hood or the trunk lid.
- ▷ Movements in the vehicle.
- ▷ Changes in the vehicle tilt, e.g., during attempts to steal a wheel or when towing the car.
- ▷ Interruptions in battery voltage.

The alarm system briefly indicates tampering:

- ▷ By sounding an acoustic alarm.
- ▷ By switching on the hazard warning system.
- ▷ By flashing the daytime running lights.

Arming and disarming the alarm system

General information

When you lock or unlock the vehicle, either with the remote control or via the Comfort Access at the door lock, the alarm system is armed or disarmed at the same time.

Door lock and armed alarm system

The alarm system is triggered when the door is opened, if the vehicle is unlocked via the door lock.

In order to terminate this alarm, unlock vehicle with the remote control or switch on the ignition, if necessary, by emergency detection of the remote control.

Trunk lid and armed alarm system

The trunk lid can be opened even when the alarm system is armed.

Press the button on the remote control for approx. 1 second.

After the trunk lid is closed, it is locked and monitored again if the doors are locked. The hazard warning system flashes once.

In some vehicle equipment variants, the trunk lid can only be opened using the remote control if the vehicle was unlocked first.

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Panic mode

You can trigger the alarm system if you find yourself in a dangerous situation.

Press the button on the remote control for at least 3 seconds.

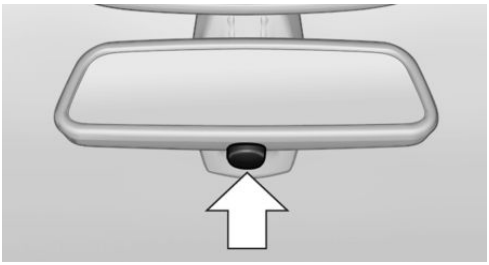
To switch off the alarm: press any button.

Switching off the alarm

To terminate the alarm:

- ▷ Unlock the vehicle using the remote control.
- ▷ With Comfort Access: If you are carrying the remote control with you, grasp the driver side or front passenger side door handle completely.

Indicator lamp on the interior rearview mirror



- ▷ The indicator lamp flashes briefly every 2 seconds:

  The system is armed.
- ▷ The indicator lamp flashes after locking:

  The doors, hood or trunk lid is not closed properly, but the rest of the vehicle is secured.

  After 10 seconds, the indicator lamp flashes continuously. Interior motion sensor and tilt alarm sensor are not active.
- ▷ The indicator lamp goes out after unlocking:

  The vehicle has not been tampered with.
- ▷ The indicator lamp flashes after unlocking until the engine ignition is switched on, but no longer than approx. 5 minutes:

  An alarm has been triggered.

Tilt alarm sensor

The tilt of the vehicle is monitored.

The alarm system responds in situations such as attempts to steal a wheel or when the car is towed.

Interior motion sensor

The windows and glass sunroof must be closed for the system to function properly.

Avoiding unintentional alarms

The tilt alarm sensor and interior motion sensor can be switched off together, such as in the following situations:

- ▷ In automatic car washes.
- ▷ In duplex garages.
- ▷ During transport on car-carrying trains, at sea or on a trailer.
- ▷ When animals are to remain in the vehicle.

Switching off the tilt alarm sensor and interior motion sensor

Press the remote control button again within 10 seconds as soon as the vehicle is locked.

The indicator lamp lights up for approx. 2 seconds and then continues to flash.

The tilt alarm sensor and interior motion sensor are switched off until the vehicle is locked again.

Power windows

General information

Take the remote control with you

Take the remote control with you when leaving the vehicle so that children, for example, cannot operate the power windows and injure themselves.◀

Opening

▷ Press the switch to the resistance point.

The window opens while the switch is held.

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▷ Press the switch beyond the resistance point.

The window opens automatically.

Pressing the switch again stops the motion.

Convenient opening, refer to page 38, via the remote control.

Closing

Keep the closing path clear

Monitor the closing process and make sure that the closing path of the window is clear; otherwise, injuries may result.◀

▷ Pull the switch to the resistance point.

The window closes while the switch is held.

▷ Pull the switch beyond the resistance point.

The window closes automatically.

Pressing the switch stops the motion.

Pinch protection system

If the closing force exceeds a specific value as a window closes, the closing action is interrupted.

The window reopens slightly.

Danger of pinching even with pinch protection

Even with the pinch protection system, check that the window's closing path is clear; otherwise, the closing action may not stop in certain situations, e.g., if thin objects are present.◀

No window accessories

Do not install any accessories in the range of movement of the windows; otherwise, the pinch protection system will be impaired.◀

Closing without the pinch protection system

Keep the closing path clear

Monitor the closing process and make sure that the closing path of the window is clear; otherwise, injuries may result.◀

For example, if there is an external danger or if ice on the windows prevents a window from closing normally, proceed as follows:

1. Pull the switch past the resistance point and hold it there.

   The pinch protection is limited and the window reopens slightly if the closing force exceeds a certain value.

2. Pull the switch past the resistance point again within approx. 4 seconds and hold it there.

   The window closes without pinch protection.

Glass sunroof, powered

General information

The glass sunroof is operational when the ignition is switched on.

Keep the closing path clear

Monitor the closing process and make sure that the closing path of the glass sunroof is clear; otherwise, injuries may result.◀

Take the remote control with you

Take the remote control with you when leaving the vehicle so that children, for example, cannot operate the roof and injure themselves.◀

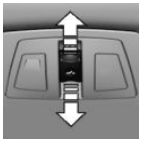
Tilting the glass sunroof

Push switch upward briefly.

▷ Closed roof is tilted open.

▷ The opened roof closes until it is in its tilted position. The sliding visor stays completely open.

Opening/closing the glass sunroof and sliding visor together



▷ Slide switch back to the resistance point and hold.

Glass sunroof and sliding visor open together as long as the switch is held down.

▷ Press switch back past the resistance point.

The glass sunroof and sliding visor open automatically. Pressing the switch again stops the opening motion.

Analogously, the glass sunroof is closed by sliding the switch forward.

The sliding visor remains open and can be closed by hand.

Convenient operation, refer to page 38, via the remote control.

Convenient closing, refer to page 42, with Comfort Access.

Comfort position

Stops the roof in the comfort position if the roof is not fully open. This reduces wind noise in the passenger compartment.

If desired, continue the movement by pressing the switch.

Pinch protection system

If the closing force when closing the glass sunroof exceeds a certain value, the closing movement is stopped, beginning at approximately the middle of the opening in the roof, or from the tilted position during closing.

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The glass sunroof opens again slightly.

Danger of pinching even with pinch protection

Despite the pinch protection system, check that the roof's closing path is clear; otherwise, the closing action may not be interrupted in certain extreme situations, such as when thin objects are present.◀

Closing without the pinch protection system

For example, if there is an external danger, proceed as follows:

1. Press the switch forward beyond the resistance point and hold.

The pinch protection is limited and the roof reopens slightly if the closing force exceeds a certain value.

2. Press the switch forward again beyond the resistance point and hold until the roof closes without pinch protection. Make sure that the closing area is clear.

Initializing after a power failure

After a power failure during the opening or closing process, the roof can only be operated to a limited extent.

Initializing the system

The system can be initialized when the vehicle is stationary and the engine is running.

During the initialization, the roof closes without pinch protection.

Keep the closing path clear

Monitor the closing process and make sure that the closing path of the glass sunroof is clear; otherwise, injuries may result.◀

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Press the switch up and hold it until the initialization is complete:

▷ Initialization begins within 15 seconds and is completed when the sunroof is completely closed.

▷ The roof closes without pinch protection.

Adjusting

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Sitting safely

The ideal seating position can make a vital contribution to relaxed, fatigue-free driving.

The seating position plays an important role in an accident in combination with:

- ▷ Safety belts, refer to page 52.
- ▷ Head restraints, refer to page 53.
- ▷ Airbags, refer to page 95.

Seats

General information

⚠ Do not adjust the seat while driving

Do not adjust the driver's seat while driving, or the seat could respond with unexpected movement and the ensuing loss of vehicle control could lead to an accident.◀

⚠ Do not incline the backrest too far to the rear

Also on the front passenger side, do not incline the backrest on the front passenger side too far to the rear during driving, or there is a risk of slipping under the safety belt in the event of an accident. This would eliminate the protection normally provided by the belt.◀

Manually adjustable seats

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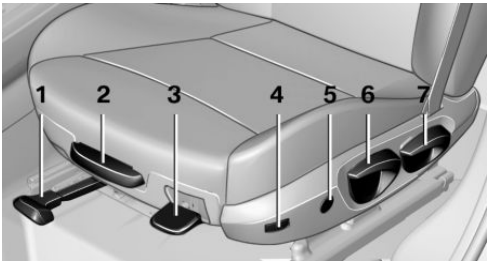
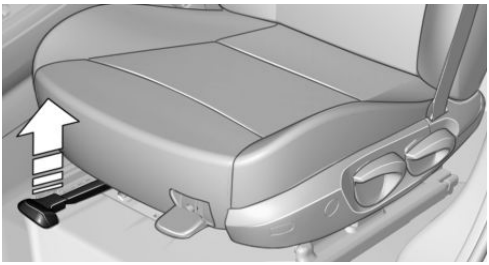
At a glance



1 Forward/backward
2 Thigh support
3 Seat tilt
4 Backrest width
5 Lumbar support
6 Height
7 Backrest tilt

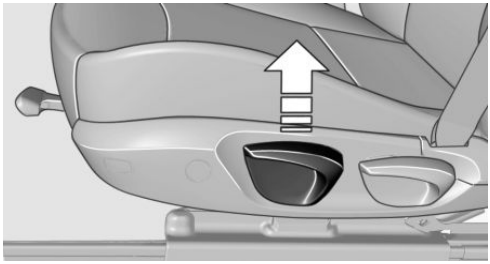
Forward/backward



Pull the lever and slide the seat in the desired direction.

After releasing the lever, move the seat forward or back slightly to make sure it engages properly.

Height

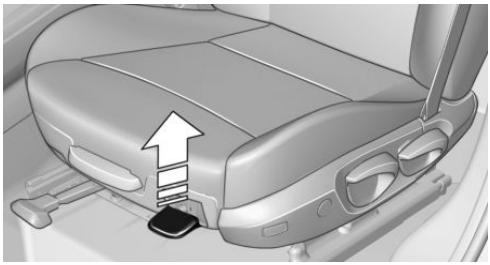


Pull the lever and apply your weight to the seat or lift it off, as necessary.

Backrest tilt

Pull the lever and apply your weight to the backrest or lift it off, as necessary.

Seat tilt



Pull the lever and move the seat to the desired tilt. After releasing the lever, apply your weight to the seat or lift it off to make sure the seat engages properly.

Electrically adjustable seats

At a glance

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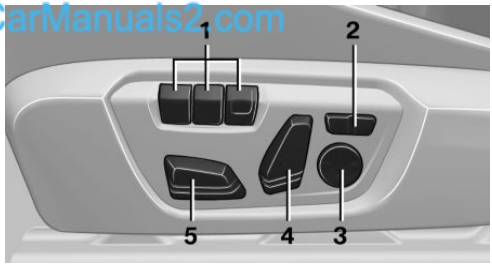


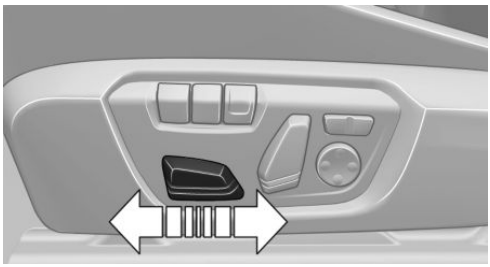
1 Seat and mirror memory
2 Backrest width
3 Lumbar support
4 Backrest tilt
5 Forward/backward, height, seat tilt

Note

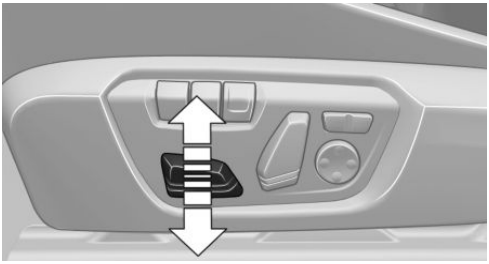
The seat setting for the driver's seat is stored for the remote control currently in use. When the vehicle is unlocked via the remote control, the position is automatically retrieved if the function, refer to page 43, is activated for this purpose.

Adjustments in detail

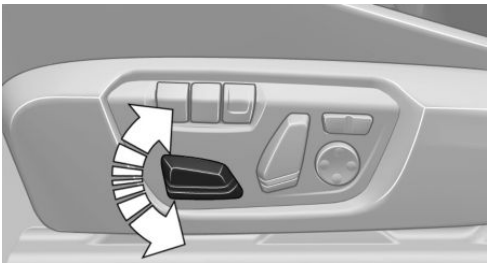
1. Forward/back.



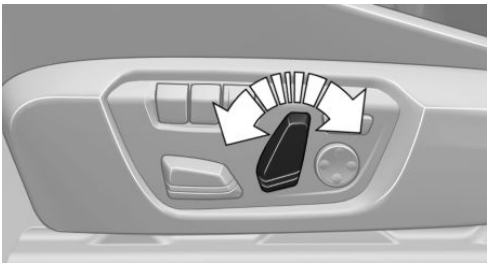
2. Height.



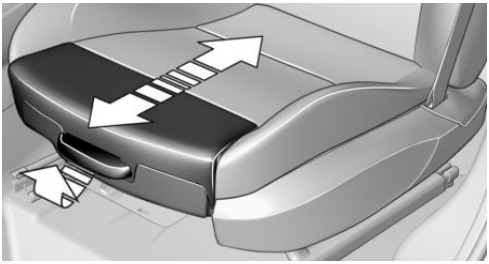
3. Seat tilt.



4. Backrest tilt.



Thigh support



Pull the lever at the front of the seat and adjust the thigh support.

Lumbar support

The curvature of the seat backrest can be adjusted in such a way that it supports the lumbar region of the spine. The lower back and the spine are supported for upright posture.

▷ Press the front/rear section of the switch.

The curvature is increased/decreased.

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▷ Press the upper/lower section of the switch.

The curvature is shifted up/down.

Backrest width

Change the width of the backrest using the side wings to adjust the lateral support.

Entering the rear

Note

⚠ Folding back and locking the backrest

Before driving away, fold back and lock the backrests; otherwise, an unexpected seat movement may cause an accident.◀

Keep the movement area unobstructed

When changing the seat position, keep the seat's area of movement unobstructed; otherwise, people can be injured or objects damaged.◀

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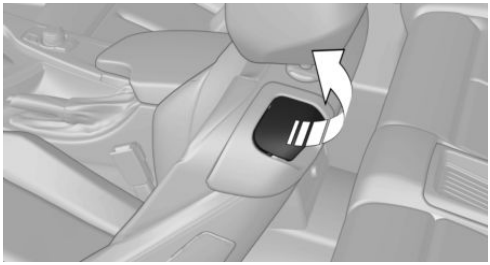
Manual length adjustment

Comfort entry

The comfort entry contains a memory function for forward/backward and backrest adjustment.

1. Pull lever up to the stop.



2. Fold backrest forward.
3. Push the seat forward.

Original position

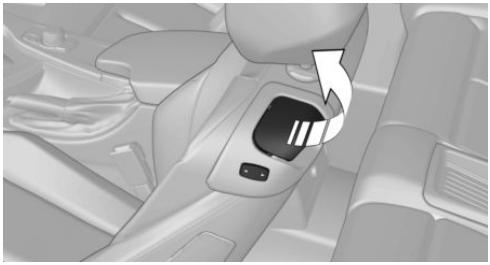
1. Push the seat back into the original position.
2. Fold back the backrest to lock the seat.

Electric forward/backward adjustment

Comfort entry

The comfort entry contains a memory function for forward/backward and backrest adjustment.

1. Pull lever up to the stop.



2. Fold backrest forward.
3. To change the entry area:
   - ▷ ◀ Press and hold the button until the seat has moved to the desired position. Releasing the button stops the motion.
   - ▷ ◀ Press the button briefly. The seat automatically moves to the end position. Pressing again stops the motion.

Original position

1. Moving the seat to its original position:
   - ▷ ▶ Press and hold the button until the seat has moved to its original position. Releasing the button stops the motion.
   - ▷ ▶ Press the button briefly. The seat moves to its original position. Pressing again stops the motion.
2. Folding the backrest back.

Front seat heating

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Switching on

Press the button once for each temperature level.

The maximum temperature is reached when three LEDs are lit.

If the drive is continued within approx. 15 minutes, the seat heating is activated automatically with the temperature selected last.

When ECO PRO, refer to page 155, is activated, the heater output is reduced.

Switching off

Press the button longer.

The LEDs go out.

Safety belts

Seats with safety belt

The vehicle has four seats, each of which is equipped with a safety belt.

Number of safety belts

Your vehicle has been fitted with four safety belts for the safety of you and your passengers. However, they can only offer protection when adjusted correctly.

Hints

Always make sure that safety belts are being worn by all occupants before driving away.

To protect the occupants, the belt locking triggers early. Slowly guide the belt out of the holder when applying it.

Although airbags enhance safety by providing added protection, they are not a substitute for safety belts.

One person per safety belt

Never allow more than one person to wear a single safety belt. Never allow infants or small children to ride on a passenger's lap.◀

Putting on the belt

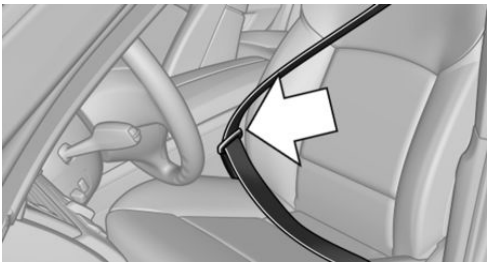
Lay the belt, without twisting, snugly across the lap and shoulders, as close to the body as possible. Make sure that the belt lies low around the hips in the lap area and does not press on the abdomen. Otherwise, the belt can slip over the hips in the lap area in a frontal impact and injure the abdomen.

The safety belt must not lie across the neck, rub on sharp edges, be routed over breakable objects, or be pinched.◀

Reduction of restraining effect

Avoid wearing bulky clothing, and pull the shoulder belt periodically to readjust the tension. Make sure that the belt is not jammed; otherwise, the belt can be damaged and the restraining effect reduced.◀

Buckling the belt



Make sure you hear the latch plate engage in the belt buckle.

Unbuckling the belt

1. Hold the belt firmly.
2. Press the red button in the belt buckle.
3. Guide the belt back into its reel.

Safety belt reminder for driver's and passenger's seat

The indicator lamp lights up and a signal sounds. Make sure that the safety belts are positioned correctly. The safety belt reminder is active at speeds above approx. 6 mph/10 km/h. It can also be activated if objects are placed on the front passenger seat.

Damage to safety belts

In the case of strain caused by accidents or damage:

Have the safety belts, including the safety belt tensioners, replaced and have the belt anchors checked.

Checking and replacing safety belts

Have the work performed only by your service center; otherwise, it cannot be ensured that this safety feature will function properly.◂

Head restraints in the front

Correctly adjusted head restraint

A correctly adjusted head restraint reduces the risk of injury to cervical vertebrae in the event of an accident.

Adjusting the head restraint

Correctly adjust the head restraints of all occupied seats; otherwise, there is an increased risk of injury in an accident.◂

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Height

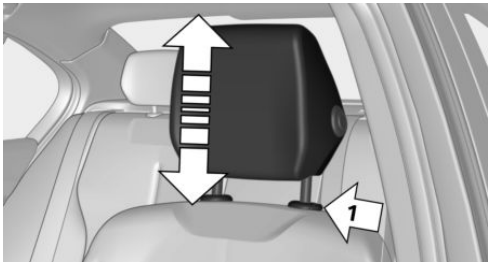
Adjust the head restraint so that its center is approximately at ear level.

Distance

Adjust the distance so that the head restraint is as close as possible to the back of the head.

If necessary, adjust the distance by adjusting the tilt of the backrest.

Adjusting the height

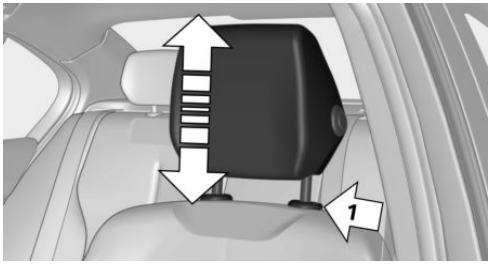


▷ To raise: pull.

▷ To lower: press the button, arrow 1, and push the head restraint down.

Removing

Only remove the head restraint if no one will be sitting in the seat in question.



1. Pull the head restraint upward as far as possible.
2. Press the button, arrow 1, and pull the head restraint out completely.

Before transporting passengers

Reinstall the head restraint before transporting anyone in the seat; otherwise, the protective function of the head restraint is unavailable.◂

Rear head restraints

Correctly adjusted head restraint

A correctly adjusted head restraint reduces the risk of injury to cervical vertebrae in the event of an accident.

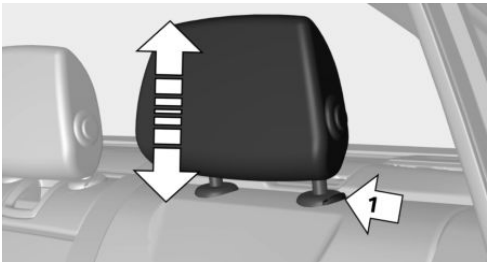
Adjusting the head restraint

Correctly adjust the head restraints of all occupied seats; otherwise, there is an increased risk of injury in an accident.◀

Height

Adjust the head restraint so that its center is approximately at ear level.

Adjusting the height



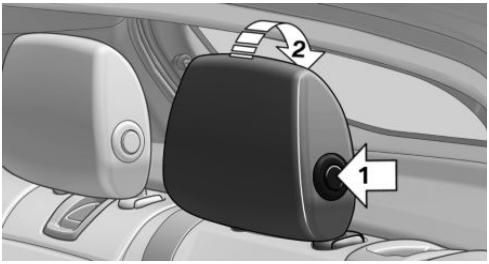
- ▷ To raise: pull.
- ▷ To lower: press the button, arrow 1, and push the head restraint down.

The center head restraint cannot be adjusted in elevation.

Folding down head restraints

Extending/retracting head restraint

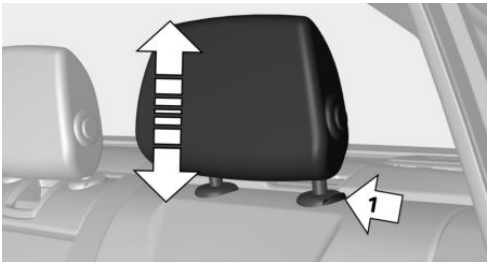
Only fold down head restraint if no passengers are in the rear. Fold out retracted headrests again if passengers are being carried in the rear; otherwise, there is increased risk of injury in the event of an accident.◀



- ▷ To lower flaps: press the button, arrow 1, and press down the head restraint, arrow 2.
- ▷ Fold back up: pull up head restraints.

Removing

Only remove the head restraint if no one will be sitting in the seat in question.



1. Pull the head restraint upward as far as possible.
2. Press the button, arrow 1, and pull the head restraint out completely.

Before transporting passengers

Reinstall the head restraint before transporting anyone in the seat; otherwise, the protective function of the head restraint is unavailable.◀

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Seat and mirror memory

Hints

Do not retrieve the memory while driving

Do not retrieve the memory setting while driving, as an unexpected movement of the seat could result in an accident.◀

Keep the movement area unobstructed

When changing the seat position, keep the seat's area of movement unobstructed; otherwise, people can be injured or objects damaged.◀

General information

Two different driver's seat and exterior mirror positions can be stored and retrieved for each remote control. Settings for the backrest width and lumbar support are not stored in memory.

Storing

1. Switch on the ignition.
2. Set the desired position.
3. M Press the button. The LED in the button lights up.
4. Press the desired button 1 or 2. The LED goes out.

If the M button is pressed accidentally:

M Press the button again.

The LED goes out.

Calling up settings

Comfort function

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1. Open the driver's door.
2. Switch off the ignition.
3. Briefly press the desired button 1 or 2.

The corresponding seat position is performed automatically.

The procedure stops when a switch for adjusting the seat or one of the buttons is pressed.

Safety mode

1. Close the driver's door or switch on the ignition.
2. Press and hold the desired button 1 or 2 until the adjustment procedure is completed.

Calling up of a seat position deactivated

After a brief period, the calling up of stored seat positions is deactivated to save battery power.

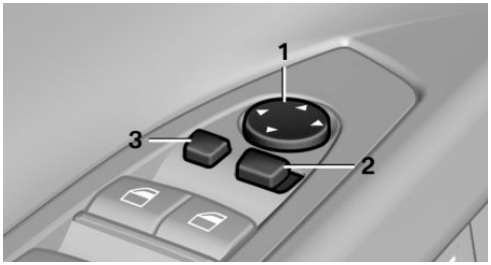
To reactivate calling up of a seat position:

- ▷ Open and close the door or trunk lid.
- ▷ Press a button on the remote control.
- ▷ Press the Start/Stop button.

Mirrors

Exterior mirrors

At a glance



1 Adjusting
2 Left/right, Automatic Curb Monitor
3 Fold in and out

General information

The mirror on the passenger side is more curved than the driver's side mirror.

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Estimating distances correctly

Objects reflected in the mirror are closer than they appear. Do not estimate the distance to the traffic behind you based on what you see in the mirror, as this will increase your risk of an accident.◀

Depending on how the vehicle is equipped, the mirror setting is stored for the remote control in use. When the vehicle is unlocked via the remote control, the position is automatically retrieved if the setting for this function is active.

Selecting a mirror

To change over to the other mirror:

Slide the mirror changeover switch.

Adjusting electrically

The setting corresponds to the direction in which the button is pressed.

Saving positions

Seat and mirror memory, refer to page 55

Adjusting manually

If an electrical malfunction occurs, for example, press the edges of the mirror glass.

Automatic Curb Monitor

The concept

When the reverse gear is engaged, the mirror glass tilts downward slightly on the front passenger side. This improves your view of the curb and other low-lying obstacles when parking, for example.

Activating

1. Slide the mirror changeover switch to the driver's side mirror position.
2. Engage transmission position R.

Deactivating

Slide the mirror changeover switch to the passenger side mirror position.

Fold in and out

Press the button.

Possible up to approx. 15 mph/20 km/h.

For example, this is advantageous

- ▷ In car washes.
- ▷ In narrow streets.
- ▷ For folding back mirrors that were folded away manually.

Mirrors that were folded in are folded out automatically at a speed of approx. 25 mph/40 km/h.

Fold in the mirror in a car wash

Before washing the car in an automatic car wash, fold in the exterior mirrors by hand or with the button; otherwise, the mirrors could

be damaged, depending on the width of the vehicle.◀

Automatic heating

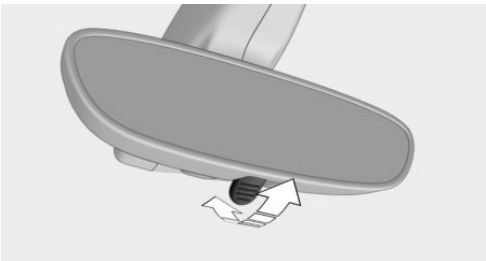
Both exterior mirrors are automatically heated whenever the engine is running.

Automatic dimming feature

Both exterior mirrors are automatically dimmed. Photocells are used for control in the Interior rear view mirror, refer to page 57.

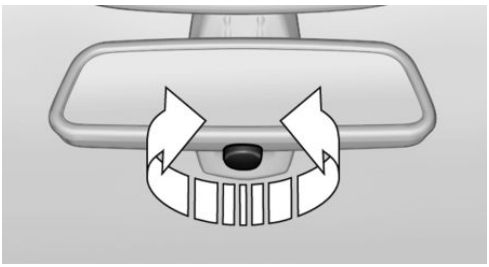
Interior rearview mirror, manually dimmable

Flip lever



To reduce the blinding effect of the interior rear view mirror, flip the lever forward.

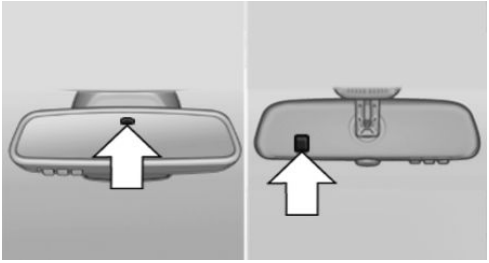
Turn knob



Turn the knob to reduce the blinding effect by the interior mirror.

Interior rearview mirror, automatic dimming feature

The concept



Photocells are used for control:

- ▷ In the mirror glass.
- ▷ On the back of the mirror.

Functional requirement

For proper operation:

- ▷ Keep the photocells clean.
- ▷ Do not cover the area between the inside rearview mirror and the windshield.

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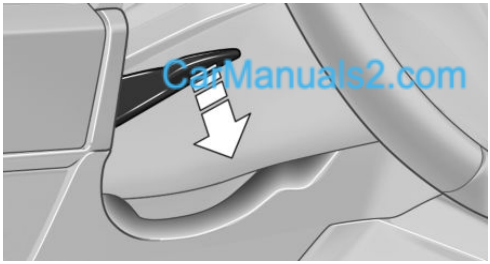
Steering wheel

General information

⚠ Do not adjust while driving

Do not adjust the steering wheel while driving; otherwise, an unexpected movement could result in an accident.◀

Adjusting



1. Fold the lever down.
2. Move the steering wheel to the preferred height and angle to suit your seating position.
3. Fold the lever back.

Steering wheel heating

Switching on/off

Press the button.

▷ On: the LED lights up.

▷ Off: the LED goes out.

Transporting children safely

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

The right place for children

Note

Children in the vehicle

Do not leave children unattended in the vehicle; otherwise, they could endanger themselves and other persons, e.g., by opening the doors.◀

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Children should always be in the rear

Accident research shows that the safest place for children is in the back seat.

Transporting children in the rear

Only transport children younger than 13 years of age or shorter than 5 ft/150 cm in the rear in child restraint fixing systems provided in accordance with the age, weight and size of the child; otherwise, there is an increased risk of injury in an accident.

Children 13 years of age or older must wear a safety belt as soon as a suitable child restraint fixing system can no longer be used, due to their age, weight and size.◀

Children on the front passenger seat

Should it ever be necessary to use a child restraint fixing system in the front passenger seat, make sure that the front, knee and side airbags on the front passenger side are deactivated. Automatic deactivation of front passenger airbags, refer to page 97.

Note

Deactivated front passenger airbags

If a child restraint fixing system is used in the front passenger seat, the front passenger airbags must be deactivated; otherwise, there is an increased risk of injury to the child when the airbags are triggered, even with a child restraint fixing system.◀

Installing child restraint fixing systems

Before mounting

Before mounting child restraint fixing systems, ensure that the rear seat backrests are locked.

Hints

Manufacturer's information for child restraint fixing systems

To select, mount and use child restraint fixing systems, observe the information provided by the system manufacturer; otherwise, the protective effect can be impaired.◀

Lock the rear seat backrests in position

Before installation of child restraint systems on the rear seat backrest, set a backrest tilt at which the childseat rests firmly against the backrest and securely latch all backrests. Otherwise, the stability of the child seat is limited, and there is an increased risk of injury because of unexpected movement of the rear seat backrest.◀

On the front passenger seat

Deactivating airbags

After installing a child restraint fixing system in the front passenger seat, make sure that the front, knee and side airbags on the front passenger side are deactivated.

Deactivate the front passenger airbags automatically, refer to page 97.

Deactivating the front passenger airbags

If a child restraint fixing system is used in the front passenger seat, the front passenger airbags must be deactivated; otherwise, there is an increased risk of injury to the child when the airbags are triggered, even with a child restraint fixing system.◀

Seat position and height

Before installing a child restraint fixing system, move the front passenger seat as far back as possible and adjust its height to the highest position to obtain the best possible position for the belt and to offer optimal protection in the event of an accident.

Do not change the seat position and height after this.

Backrest width

Adjustable backrest width: before installing a child restraint fixing system in the front passenger seat, open the backrest width completely. Do not change the backrest width again and do not call up a memory position.

Backrest width for the child seat

Before installing a child restraint fixing system in the front passenger seat, the backrest width must be opened completely. Do not change the adjustment after this; otherwise, the stability of the child seat will be reduced.◀

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Child seat security

The rear safety belts and the front passenger safety belt can be locked against pulling out for mounting the child restraint fixing systems.

Locking the safety belt

1. Pull out the belt webbing completely.
2. Secure the child restraint fixing system with the belt.
3. Allow the belt webbing to be pulled in and pull it taut against the child restraint fixing system. The safety belt is locked.

Unlocking the safety belt

1. Unbuckle the belt buckle.
2. Remove the child restraint fixing system.
3. Allow the belt webbing to be pulled in completely.

LATCH child restraint fixing system

LATCH: Lower Anchors and Tether for Children.

Note

Manufacturer's information for LATCH child restraint fixing systems

To mount and use the LATCH child restraint fixing systems, observe the operating and safety information from the system manufacturer; otherwise, the level of protection may be reduced.◀

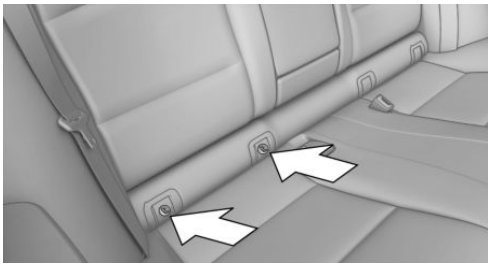
Mounts for the lower LATCH anchors

The lower anchors may be used to attach the CRS to the vehicle seat up to a combined child and CRS weight of 65 lb/30 kg when the child is restr- ained by the internal harnesses.

Correctly engage the lower LATCH anchors

Make sure that the lower LATCH anchors have properly engaged and that the child restraint fixing system is resting snugly against the backrest; otherwise, the degree of protection offered may be reduced.◀

Before mounting the LATCH child restraint fixing system, pull the belt away from the child restraint fixing system.



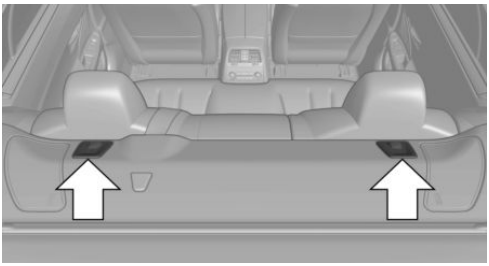
Mounts for the lower LATCH anchors are located behind the indicated covers.

Mounting ISOFIX child restraint fixing systems

1. Mount the child restraint fixing system; refer to the user's manual of the system.
2. Ensure that both LATCH anchors are properly connected.

Child restraint fixing system with a tether strap

Mounting points



There are two mounting points for child restraint fixing systems with a tether strap.

Note

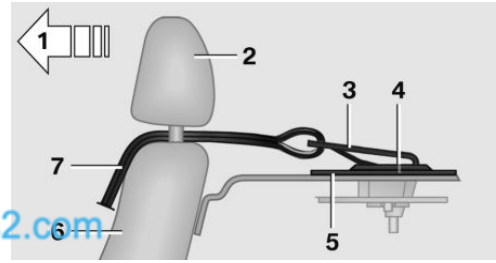
Mounting eyes

Only use the mounting eyes for the upper retaining strap to secure child restraint fixing systems; otherwise, the mounting eyes could be damaged.◀

Retaining strap guide

Retaining strap

Make sure that the upper retaining strap is not routed over the head restraints or sharp edges and is free of twisting on its way to the upper mounting point; otherwise, the belt cannot properly secure the child restraint fixing system in an accident.◀



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1 Direction of travel

2 Head restraint.

3 Hook for upper retaining strap

4 Mounting point/eye

5 Rear window shelf

6 Seat backrest

7 Upper retaining strap

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Attaching the upper retaining strap to the mounting point

1. Remove the mounting point cover.
2. Raise the head restraint.
3. Guide the upper retaining strap between the supports of the head restraint.
4. Attach the hook of the retaining strap to the mounting eye.
5. Tighten the retaining strap by pulling it down.
6. Lower and lock head restraints as needed.

Driving

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Start/Stop button

The concept

Pressing the Start/Stop button switches the ignition on or off and starts the engine.

Automatic transmission: The engine starts if the brake is depressed while pressing the Start/Stop button.

Manual transmission: the engine starts if the clutch pedal is depressed when the Start/Stop button is pressed.

Ignition on

Automatic transmission: Press the Start/Stop button but do not depress the brake.

Manual-shift transmission: press the Start/Stop button, and do not press on the clutch pedal at the same time.

All vehicle systems are ready for operation.

Most of the indicator and warning lamps in the instrument cluster light up for varying lengths of time.

To save battery power when the engine is off, switch off the ignition and any unnecessary electronic systems/power consumers.

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Note

If the engine is switched off and the ignition is switched on, the system automatically switches to the radio ready state when the door is opened if the lights are switched off or the daytime running lights are switched on.

Ignition off

Automatic transmission: Press the Start/Stop button again, but do not depress the brake.

Manual-shift transmission: press the Start/Stop button again, and do not press on the clutch pedal at the same time.

All indicator lamps in the instrument cluster go out.

To save battery power when the engine is off, switch off the ignition and any unnecessary electronic systems/power consumers.

⚠ Transmission position P with the ignition off

When ignition is switched off, selector lever position P is engaged automatically. When in an automatic car wash, for example, ensure that the ignition is not switched off accidentally.◀

The ignition automatically cuts off while the vehicle is stationary and the engine is stopped:

- ▷ When locking the vehicle, and when the low beams are activated.
- ▷ Shortly before the battery is discharged completely, so that the engine can still be started. This function is only available when the low beams are switched off.
- ▷ When opening or closing the driver door, if the driver's seat belt is unbuckled and the low beams are switched off.
- ▷ While the driver's seat belt is unbuckled, if the driver's door is open and the low beams are switched off.

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When the ignition is switched off, by opening or closing the driver's door or unbuckling the driver's seat belt, the radio ready state remains active.

Radio ready state

Activate radio ready state:

- ▷ When the engine is running: press the Start/Stop button.

Some electronic systems/power consumers remain ready for operation.

The radio ready state switches off automatically:

- ▷ After approx. 8 minutes.
- ▷ When the vehicle is locked using the central locking system.
- ▷ Shortly before the battery is discharged completely, so that the engine can still be started.

Starting the engine

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Hints

Enclosed areas

Do not let the engine run in enclosed areas, since breathing in exhaust fumes may lead to loss of consciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas.◀

Unattended vehicle

Do not leave the vehicle unattended with the engine running; doing so poses a risk of danger.

Before leaving the vehicle with the engine running, set the parking brake and place the transmission in selector lever position P or neutral to prevent the vehicle from moving.◀

Repeated starting in quick succession

Avoid repeated unsuccessful attempts to start the vehicle or starting the vehicle several times in quick succession. Otherwise, the fuel is not burned or is inadequately burned, posing a risk of overheating and damage to the catalytic converter.◀

Do not wait for the engine to warm-up while the vehicle remains stationary. Start driving at moderate engine speeds.

Automatic transmission

Starting the engine

1. Depress the brake pedal.
2. Press the Start/Stop button.

The ignition is activated automatically for a certain time and is stopped as soon as the engine starts.

Manual transmission

Starting the engine

1. Depress the brake pedal.
2. Press on the clutch pedal and shift to neutral.
3. Press the Start/Stop button.

The ignition is activated automatically for a certain time and is stopped as soon as the engine starts.

Engine stop

Hints

Take the remote control with you

Take the remote control with you when leaving the vehicle so that children, for example, cannot start the engine.◀

⚠ Set the parking brake and further secure the vehicle as required

Set the parking brake firmly when parking; otherwise, the vehicle could roll. On steep upward and downward inclines, further secure the vehicle, for example, by turning the steering wheel in the direction of the curb. ◄

Before driving into a car wash

In order for the vehicle to be able to roll into a car wash, pay attention to the information regarding Washing in automatic car washes, refer to page 199.

Automatic transmission

Switching off the engine

1. Engage transmission position P with the vehicle stopped.
2. Press the Start/Stop button.

   The engine is switched off.

   The radio ready state is switched on.
3. Set the parking brake.

Manual transmission

Switching off the engine

1. With the vehicle at a standstill, press the Start/Stop button.
2. Shift into first gear or reverse.
3. Set the parking brake.

Automatic Engine Start/Stop Function

The concept

The Auto Start/Stop function helps save fuel. The system switches off the engine during a stop, e.g., in traffic congestion or at traffic lights. The ignition remains switched on. The engine starts again automatically for driving off.

Certain vehicle components may experience additional wear as a result of this system.

Automatic mode

The Auto Start/Stop function is operational after each engine start.

This function is activated at speeds faster than about 3 mph, approx. 5 km/h.

Engine stop

The engine is switched off automatically during a stop under the following conditions:

Manual transmission:

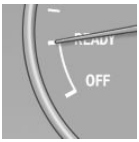
- ▷ Neutral is engaged and the clutch pedal is not pressed.
- ▷ The driver's seat belt is buckled or the driver's door is closed.

Automatic transmission:

- ▷ The selector lever is in transmission position D.
- ▷ Brake pedal remains depressed while the vehicle is stopped.
- ▷ The driver's seat belt is buckled or the driver's door is closed.

The air volume of the air conditioner is reduced when the engine is switched off.

Displays in the instrument cluster



The READY display in the tachometer signals that the Auto Start/Stop function is ready to start the engine automatically.

The display indicates that the conditions for an automatic engine stop have not been satisfied.

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Note

The engine is not switched off automatically in the following situations:

- External temperature too low.
- The external temperature is high and automatic climate control is running.
- The passenger compartment has not yet been heated or cooled to the required level.
- The engine is not yet at operating temperature.
- The wheels are at a sharp angle or the steering wheel is being turned.
- After driving in reverse.
- Fogging of the windows when the automatic climate control is switched on.
- Vehicle battery is heavily discharged.
- The engine compartment lid is unlocked.
- The parking assistant is activated.
- Stop-and-go traffic.
- The transmission selector lever is in position N or M/S.
- Use of fuel with high ethanol content.

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Starting the engine

The engine starts automatically under the following conditions:

- Manual transmission:

  The clutch pedal is pressed.
- Automatic transmission:

  By releasing the brake pedal.

After the engine starts, accelerate as usual.

Safety mode

After the engine switches off automatically, it will not start again automatically if any one of the following conditions are met.

- The driver's safety belt is unbuckled and the driver's door is open.
- The hood was unlocked.

Some indicator lamps light up for varying lengths of time.

The engine can only be started via the Start/Stop button.

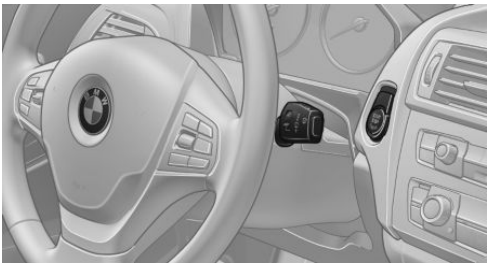
Note

Even if driving away was not intended, the deactivated engine starts up automatically in the following situations:

- Excessive warming of the passenger compartment when the cooling function is switched on.
- The steering wheel is turned.
- Automatic transmission: the transmission position is changed from D to N, R, or M/S.
- Automatic transmission: the transmission position is changed from P to N, D, R or M/S.
- The vehicle begins rolling.
- Fogging of the windows when the automatic climate control is switched on.
- Vehicle battery is heavily discharged.
- Excessive cooling of the passenger compartment when the heating is switched on.
- Low brake vacuum pressure; this can occur, for example, if the brake pedal is depressed a number of times in succession.

Activating/deactivating the system manually

Using the button



Press the button.

▷ LED comes on: Auto Start Stop function is deactivated.

The engine is started during an automatic engine stop.

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The engine can only be stopped or started via the Start/Stop button.

▷ LED goes out: Auto Start Stop function is activated.

Switching off the vehicle during an automatic engine stop

During an automatic engine stop, the vehicle can be switched off permanently, e.g., when leaving it.

1. Press the Start/Stop button. The ignition is switched off. The Auto Start/Stop function is deactivated.

   Transmission position P is engaged automatically.

2. Set the parking brake.

Engine start as usual via Start/Stop button.

Automatic deactivation

In certain situations, the Auto Start/Stop function is deactivated automatically for safety reasons, such as when the driver is detected to be absent.

Malfunction

The Auto Start/Stop function no longer switches of the engine automatically. A Check Control message is displayed. It is possible to continue driving. Have the system checked.

Parking brake

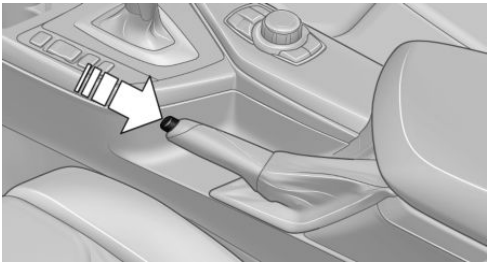
Applying

The lever automatically engages after being pulled up.

The indicator lamp lights up red. The parking brake is set.

Lower lamp: indicator lamp in Canadian models

Releasing



Raise lever slightly, press the button and guide the lever down.

Hints

Use while driving

If on a rare occasion it is necessary to use the parking brake while driving, do not use excessive force when applying it. When using it, keep the button on the lever depressed.

Otherwise, using excessive force when applying the parking brake may cause the rear wheels to lock, resulting in fishtailing.◂

To prevent corrosion and braking control on one side only, lightly apply the parking brake periodically while coasting, if traffic conditions permit.

The brake lamps will not light up if the parking brake is engaged.

Turn signal, high beams, headlamp flasher

Turn signal

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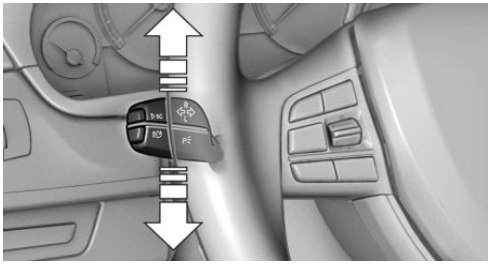
Do not fold in the exterior mirrors

Do not fold in the exterior mirror while driving and when the turn signals/warning flashers are working, or else the additional flasher lights in the exterior mirror will no longer be in the prescribed position and will be difficult to see.◀

Using turn signals



Press the lever beyond the resistance point.

To switch off manually, press the lever to the resistance point.

Unusually rapid flashing of the indicator lamp indicates that a turn signal bulb has failed.

Triple turn signal activation

Press the lever to the resistance point.

The turn signal flashes three times.

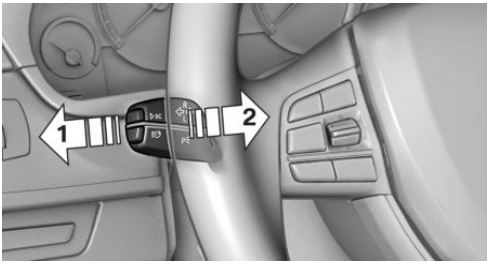
The function can be activated or deactivated:

1. "Settings"
2. "Lighting"
3. "Triple turn signal"

Signaling briefly

Press the lever to the resistance point and hold it there for as long as you want the turn signal to flash.

High beams, headlamp flasher



▷ High beams, arrow 1.

▷ Headlamp flasher, arrow 2.

Washer/wiper system

Switching the wipers on/off and brief wipe

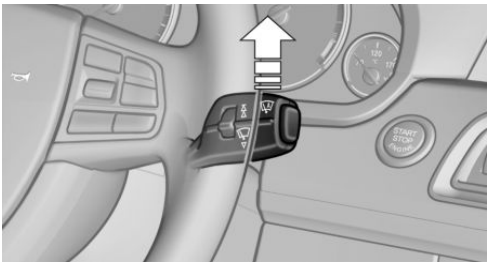
Do not switch on the wipers if frozen

Do not switch on the wipers if they are frozen onto the windshield; otherwise, the wiper blades and the windshield wiper motor may be damaged.◀

No wiper operation on dry windshield

Do not use the windshield wipers if the windshield is dry, as this may damage the wiper blades or cause them to become worn more quickly.◀

Switching on



Press the wiper levers up.

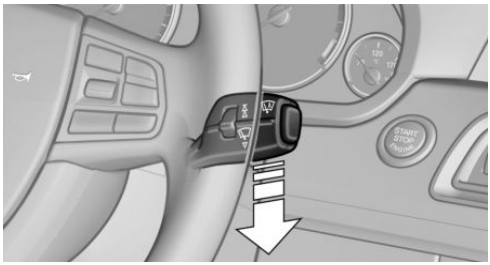
The lever automatically returns to its initial position when released.

- ▷ Normal wiping speed: press up once.

  The wipers switch to intermittent operation when the vehicle is stationary.
- ▷ Fast wiping speed: press up twice or press once beyond the resistance point.

  The wipers switch to normal speed when the vehicle is stationary.

Switching off and brief wipe



Press the wiper levers down.

The lever automatically returns to its initial position when released.

- ▷ Brief wipe: press down once.
- ▷ To switch off normal wipe: press down once.
- ▷ To switch off fast wipe: press down twice.

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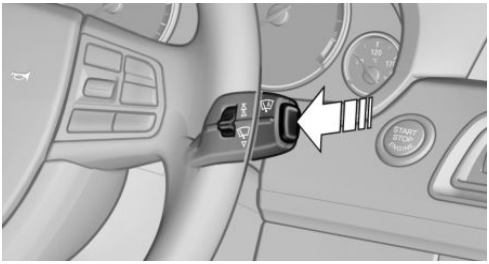
Intermittent operation or rain sensor

The concept

Without the rain sensor, the frequency of the wiper operation is preset.

The rain sensor automatically controls the time between wipes depending on the intensity of the rainfall. The sensor is located on the windshield, directly behind the interior rearview mirror.

Activating/deactivating



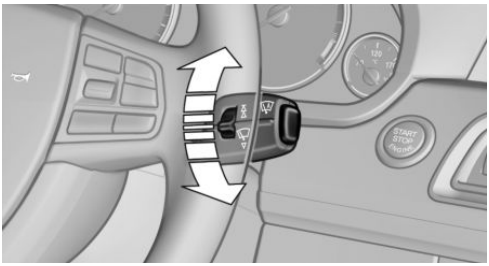
Press the button on the wiper lever.

The LED in the wiper lever lights up and a wiping operation is started. If there is frost, wiper operation is not started.

⚠ Deactivate the rain sensor in car washes

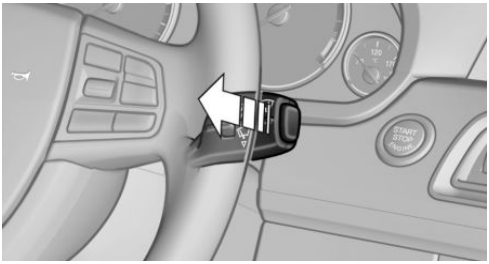
Deactivate the rain sensor when passing through an automatic car wash; otherwise, damage could be caused by undesired wiper activation.◂

Setting the frequency or sensitivity of the rain sensor



Turn the thumbwheel.

Clean the windshield, headlamps



Pull the wiper lever.

The system sprays washer fluid on the windshield and activates the wipers briefly.

In addition, the headlamps are cleaned at regular intervals when the vehicle lights are switched on.

Do not use the washer system at freezing temperatures

Do not use the washers if there is any danger that the fluid will freeze on the windshield; otherwise, your vision could be obscured. For this reason, use antifreeze.

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Avoid using the washer when the reservoir is empty; otherwise, you could damage the pump.◀

Windshield washer nozzles

The windshield washer nozzles are automatically heated while the ignition is switched on.

Fold-out position of the wipers

Required when changing the wiper blades or under frosty conditions, for example.

1. Switch the ignition on and off again.
2. Under frosty conditions, ensure that the wiper blades are not frozen onto the windshield.
3. Press the wiper lever up beyond the point of resistance and hold it for approx. 3 seconds, until the wiper remains in a nearly vertical position.

After the wipers are folded back down, the wiper system must be reactivated.

Fold the wipers back down

Before switching the ignition on, fold the wipers back down to the windshield; otherwise, the wipers may become damaged when they are switched on.◀

1. Switch on the ignition.
2. Press the wiper levers down. The wipers move to their resting position and are ready for operation.

Washer fluid

General information

Antifreeze for washer fluid

Antifreeze is flammable and can cause injury if it is used incorrectly.

Therefore, keep it away from sources of ignition.

Only keep it in the closed original container and inaccessible to children.

Follow the notes and instructions on the container.

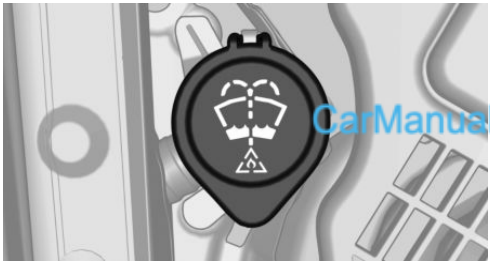
United States: The washer fluid mixture ratio is regulated by the U.S. EPA and many individual states; do not exceed the allowable washer fluid dilution ratios limits that apply. Follow the usage instructions on the washer fluid container. Use BMW's Windshield Washer Concentrate or the equivalent.◀

Washer fluid reservoir

Adding washer fluid

Only add washer fluid when the engine is cool, and then close the cover completely to avoid contact between the washer fluid and hot engine parts.

Otherwise, there is the danger of fire and a risk to personal safety if the fluid is spilled.◀



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All washer nozzles are supplied from one reservoir.

Fill with a mixture of windshield washer concentrate and tap water and – if required – with a washer antifreeze, according to the manufacturer's recommendations.

Mix the washer fluid before adding to maintain the correct mixing ratio.

Do not add windshield washer concentrate and antifreeze undiluted and do not fill with pure water; this could damage the wiper system.

Do not mix window washer concentrates of different manufacturers, because otherwise it can result in clogging of the windshield washer nozzles.

Recommended minimum fill quantity: 0.2 US gal/1 liter.

Manual transmission

Shifting

Shifting into 5th or 6th gear

When shifting into 5th or 6th gear, push the gearshift lever to the right; otherwise inadvertent shifting into the 3rd or 4th gear could lead to engine damage.◀

Reverse gear

Select only when the vehicle is stationary.

To overcome the resistance move the selector lever in a dynamic movement to the left and engage the reverse gear.

Automatic transmission with Steptronic

Transmission positions

D Drive, automatic position

Position for normal vehicle operation. All forward gears are available.

R is Reverse

Select only when the vehicle is stationary.

N is Neutral

Use in automatic car washes, for example. The vehicle can roll.

When the ignition is switched off, refer to page 63, position P is engaged automatically.

P Park

Select only when the vehicle is stationary. The drive wheels are blocked.

P is engaged automatically:

- ▷ After the engine is switched off when the vehicle is in radio ready state, refer to page 64, or when the ignition is switched off, refer to page 63, and when position R or D is engaged.
- ▷ With the ignition is off, if position N is engaged.
- ▷ If the safety belt is unbuckled, the driver's door is opened, and the brake pedal is not pressed while the vehicle is stationary and transmission position R or D is engaged.

Before exiting the vehicle, make sure that position P of the automatic transmission is engaged. Otherwise, the vehicle may begin to roll.

Kickdown

Kickdown is used to achieve maximum driving performance. Press on the gas pedal beyond the resistance point at the full throttle position.

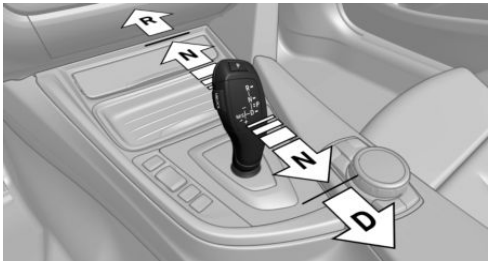
Engaging the transmission position

- ▷ Transmission position P can only be disengaged if the engine is running and the brake pedal is pressed.
- ▷ With the vehicle stationary, press on the brake pedal before shifting out of P or N; otherwise, the shift command will not be executed: shift lock.

  ⚠ Depress the brake until you start driving

  To prevent the vehicle from creeping after you select a driving position, maintain pressure on the brake pedal until you are ready to start.◀

Engaging D, R and N



Briefly push the selector lever in the desired direction, beyond a resistance point if necessary.

After releasing the selector lever, it returns to its center position.

Press unlock button, in order to:

- ▷ Engage R.
- ▷ Shift out of P.

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Engaging P

Press button P.

Sport program and manual mode

Activating the sport program

Push the selector lever to the left out of transmission position D.

The sport program of the transmission is activated.

Activating the M/S manual mode

1. Push the selector lever to the left out of transmission position D.
2. Push the selector lever forward or pull it backward.

Manual mode becomes active and the gear is changed.

The engaged gear is displayed in the instrument cluster, e.g., M1.

Once maximum engine speed is attained, M/S manual mode is automatically upshifted as needed.

Switching to manual mode

- To shift down: press the selector lever forward.
- To shift up: pull the selector lever rearwards.

Gears will only be shifted at appropriate engine and road speeds, e.g., downshifting is not possible if the engine speed is too high.

The selected gear is briefly displayed in the instrument cluster, followed by the current gear.

Sport automatic transmission: prevent automatic upshifting in M/S manual mode

For vehicles with Sport automatic transmissions, automatic shift operations are not performed, at maximum engine speed for example, if one of the following conditions is met:

- DSC deactivated.
- TRACTION activated.
- SPORT+ activated.

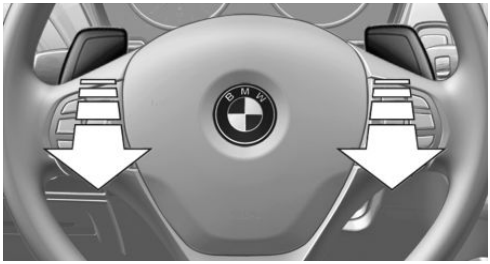
In addition, the kickdown is deactivated.

Ending the sport program/manual mode

Push the selector lever to the right.

D is displayed in the instrument cluster.

Shift paddles



The shift paddles on the steering wheel allow you to shift gears quickly while keeping both hands on the steering wheel.

If the shift paddles on the steering wheel are used to shift gears in automatic mode, the transmission temporarily switches to manual mode.

If the shift paddles are not used and the vehicle is not accelerated for a certain time, the system switches back into automatic mode if the selector lever is in transmission position D.

- Shift up: pull right shift paddle.
- Shift down: pull left shift paddle.

Gears will only be shifted at appropriate engine and road speeds, e.g., downshifting is not possible if the engine speed is too high.

The selected gear is briefly displayed in the instrument cluster, followed by the current gear.

Displays in the instrument cluster

The transmission position is displayed, e.g.: P.

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Sport automatic transmission: Launch Control

The concept

Launch Control enables optimum acceleration on surfaces with good traction.

Hints

Component wear

Do not use Launch Control too often; otherwise, this may result in premature wear of components due to the high stress placed on the vehicle.◀

Did not use Launch Control during the break-in, refer to page 148, period.

To increase vehicle stability, activate DSC again as soon as possible.

Requirements

Launch Control is available when the engine is warmed up, that is, after uninterrupted driving of at least 6 miles/10 km.

To start with Launch Control do not steer the steering wheel.

Start with launch control

While the engine is running:

1.

Press button or select with the Driving Dynamics Control Sport+.

   TRACTION is displayed in the instrument cluster and the indicator lamp for DSC OFF lights up.
2. Engaging the transmission position S
3. With the left foot, forcefully press down on the brake.
4. Press and hold down the accelerator pedal beyond the resistance point at the full throttle position.

   A flag symbol appears in the instrument cluster.
5. The starting engine speed adjusts. Within 3 seconds, release the brake.

Before using Launch Control, allow the transmission to cool down for approx. 5 minutes.

Launch Control adjusts to the surrounding conditions, e.g., wet pavement, when used again.

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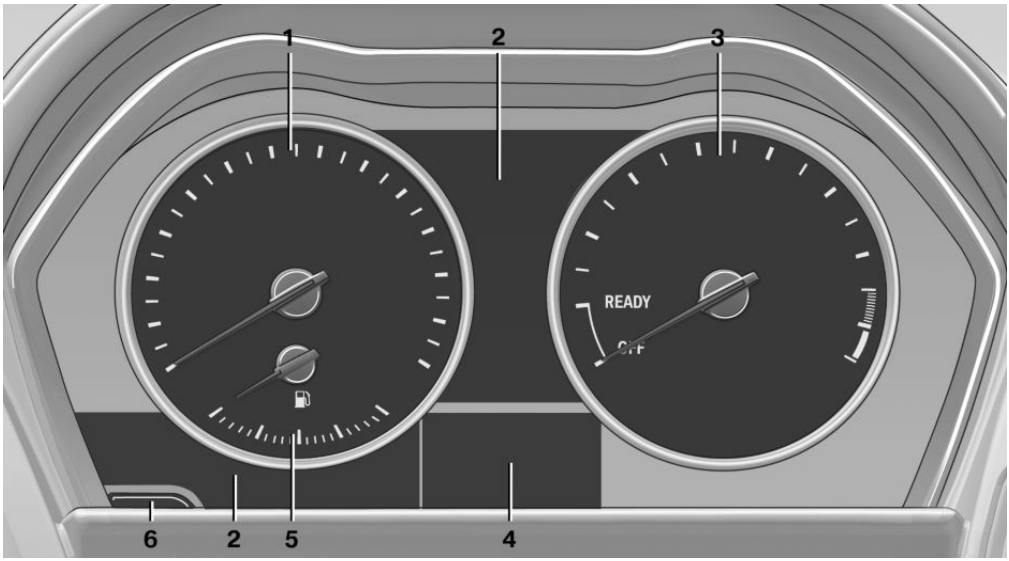
Displays

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Instrument cluster

Overview, instrument cluster



1 Speedometer
2 Indicator/warning lamps 78
3 Tachometer 80
4 Electronic displays 77
5 Fuel gauge 80
6 Display/reset miles 80

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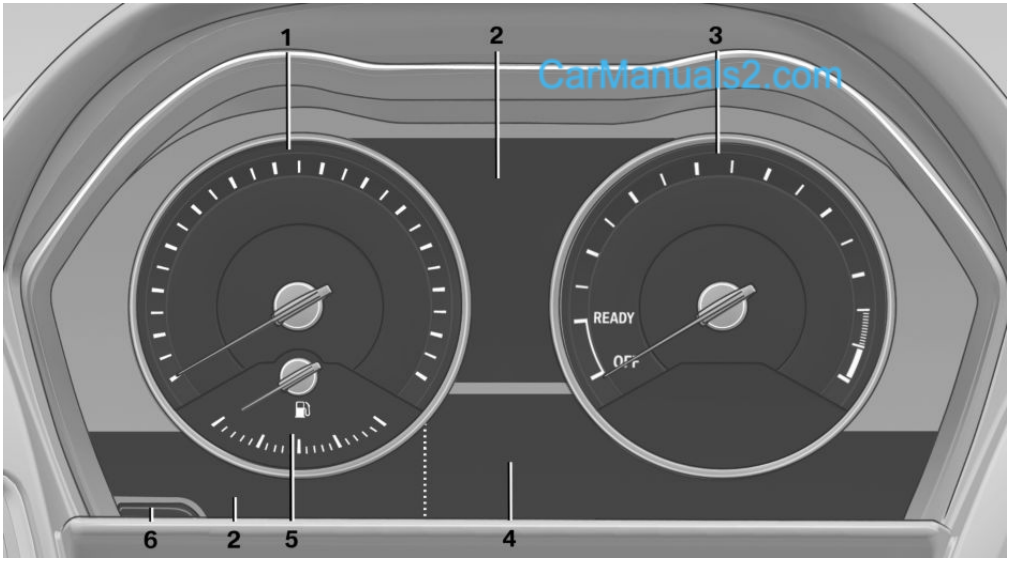
Overview, instrument cluster with enhanced features



1 Speedometer
2 Indicator/warning lamps 78
3 Tachometer 80
4 Electronic displays 77
5 Fuel gauge 80
6 Display/reset miles 80

Online Edition for Part no. 01 40 2 924 974 - X/13

Electronic displays

Overview, instrument cluster

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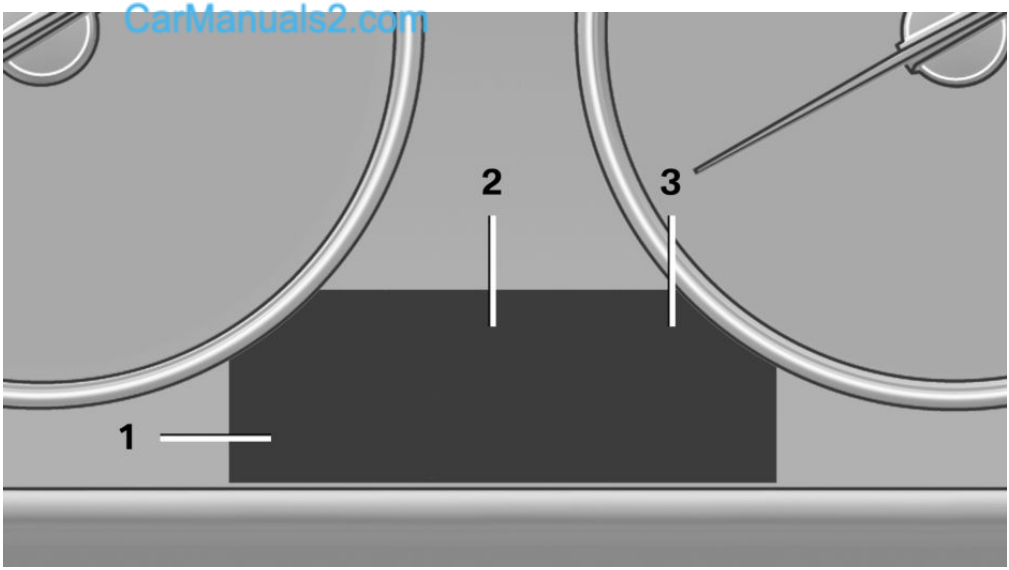


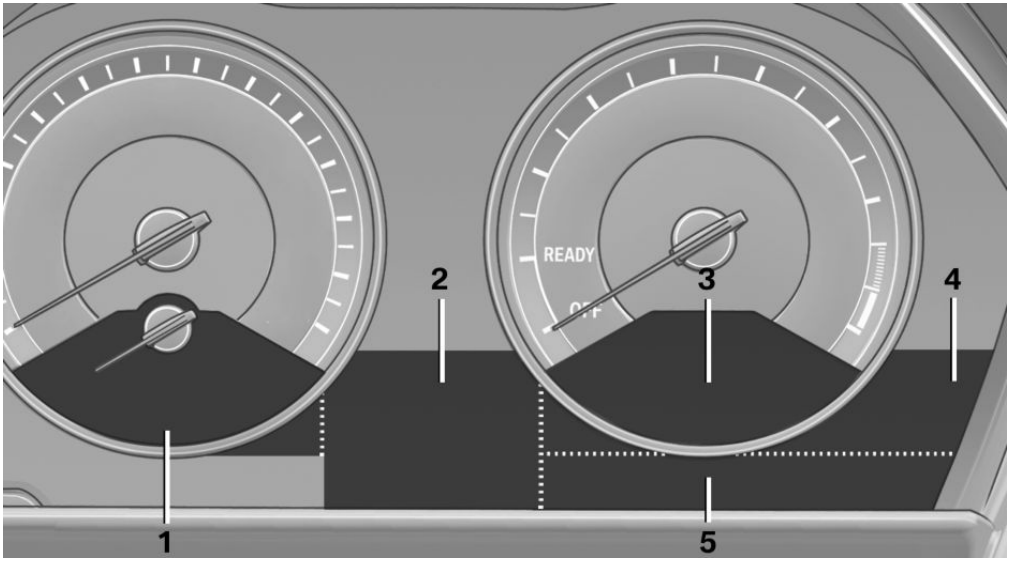
1 Messages, e.g., Check Control 78
Time 81
Date 81
External temperature 81
Selection lists 84
Service requirements 82
Miles/trip miles 80
Computer 85
ECO PRO bonus range 155

2 Transmission display 73
Gear shift indicator 83

3 Status, Driving Dynamics Control 112

Online Edition for Part no. 01 40 2 924 974 - X/13

Overview, instrument cluster with enhanced features



1 Fuel gauge 80

2 Miles/trip miles 80

External temperature 81

Time 81

Date 81

Selection list, e.g., radio 84

Service requirements 82

Navigation display, see user's manual for Navigation, Entertainment and Communication.

Computer 85

Speed Limit Information 83

ECO PRO bonus range 155

3 Transmission display 73

Current fuel consumption 81

Energy recovery 82

4 Messages, e.g. Check Control 78

5 Navigation display, see user's manual for Navigation, Entertainment and Communication.

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Check Control

The concept

The Check Control system monitors functions in the vehicle and notifies you of malfunctions in the monitored systems.

A Check Control message is displayed as a combination of indicator or warning lamps and text messages in the instrument cluster.

In addition, an acoustic signal may be output and a text message may appear on the Control Display.

Indicator/warning lamps

The indicator and warning lamps in the instrument cluster can light up in a variety of combinations and colors.

Several of the lamps are checked for proper functioning and light up temporarily when the engine is started or the ignition is switched on.

Overview: indicator/warning lamps

Symbol	Function or system
	Turn signal.
	Front fog lamps.
	High beams.
	High-beam Assistant.
	Parking lamps, headlamp control.
	Vehicle detection, Active Cruise Control: collision warning.
	Pedestrian warning.
LIM	Speed limit, adjustable.
	Cruise control.
	Lane departure warning.
	DSC Dynamic Stability Control.
OFF	DSC Dynamic Stability Control is deactivated or DTC Dynamic Traction Control is activated.
	Tire Pressure Monitor. Flat Tire Monitor.
	Safety belts.
	Airbag system.
	Steering system.
	Engine functions.
BRAKE	Parking brake. Brake system.
	In Canadian models Parking brake. Brake system.
ABS	ABS Antilock Brake System.
ABS	ABS Antilock Brake System in Canadian models.
	At least one Check Control message is displayed or is stored (symbol in display).

Text messages

Text messages in combination with a symbol in the instrument cluster explain a Check Control message and the meaning of the indicator and warning lamps.

Supplementary text messages

Additional information, such as on the cause of a fault or the required action, can be called up via Check Control.

The supplementary text of urgent messages is automatically displayed on the Control Display.

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Symbols

Within the supplementary text, the following functions can be selected independent of the check control message.

▷ Display additional information about the Check Control message in the Integrated Owner's Manual.

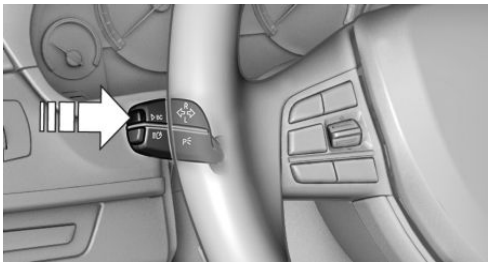
▷ "Service request"

Contact your service center.

▷ "Roadside Assistance"

Contact Roadside Assistance.

Hiding Check Control messages



Press the onboard computer button on the turn signal lever.

▷ Some Check Control messages are displayed continuously and are not cleared until the malfunction is eliminated. If several malfunctions occur at once, the messages are displayed consecutively.

These messages can be hidden for approx. 8 seconds. After this time, they are displayed again automatically.

▷ Other Check Control messages are hidden automatically after approx. 20 seconds. They are stored and can be displayed again later.

Displaying stored Check Control messages

1. "Vehicle Info"
2. "Vehicle status"
3. "Check Control"
4. Select the text message.

Messages after trip completion

Special messages that are displayed during driving are displayed again after the ignition is switched off.

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Fuel gauge

The vehicle inclination may cause the display to vary.

US models: the arrow beside the fuel pump symbol shows which side of the vehicle the fuel filler flap is on.

Hints on refueling, refer to page 162.

Tachometer

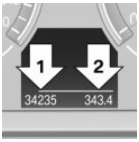
Always avoid engine speeds in the red warning field. In this range, the fuel supply is interrupted to protect the engine.

Coolant temperature

If the coolant along with the engine becomes too hot, a Check Control message is displayed.

Check the coolant level, refer to page 180.

Odometer and trip odometer



▷ Odometer, arrow 1.

▷ Trip odometer, arrow 2.

Resetting the trip odometer

Press the knob.

▷ The odometer is displayed when the ignition is switched off.

▷ When the ignition is switched on, the trip odometer is reset.

External temperature

External temperature warning

If the indicator drops to +37 °F/+3 °C or lower, a signal sounds.

A Check Control message is displayed.

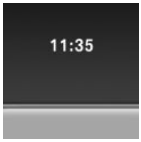
There is an increased risk of ice on roads.

Ice on roads

Even at temperatures above +37 °F/+3 °C, there can be a risk of ice on roads.

Therefore, drive carefully on bridges and shaded roads, for example, to avoid the increased risk of an accident.◀

Time



The time is displayed in the instrument cluster.

Setting the time on the Control Display, refer to page 87.

Date

The date is displayed in the instrument cluster.

Set the date on the Control Display, refer to page 88.

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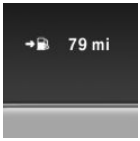
Range



After the reserve range is reached:

▷ A Check Control message is displayed briefly.

▷ The remaining range is shown on the onboard computer.

▷ When a dynamic driving style is used, such as when cornering quickly, operation of the engine is not always ensured.

The Check Control message appears continuously below a range of approx. 30 miles/50 km.

Refuel promptly

Refuel no later than at a range of 30 miles/50 km, or operation of the engine is not ensured and damage may occur.◀

Current fuel consumption

Displays the current fuel consumption. You can check whether you are currently driving in an efficient and environmentally-friendly manner.

Displaying the current fuel consumption

1. "Settings"
2. "Info display"
3. "Additional indicators"

The bar display for the current fuel consumption is displayed in the instrument cluster.

Energy recovery

The energy of motion of the vehicle is converted to electrical energy while coasting. The vehicle battery is partially charged and fuel consumption can be reduced.

Service requirements

The concept

The driving distance or the time to the next scheduled maintenance is displayed briefly in the instrument cluster after the ignition is switched on.

The current service requirements can be read out from the remote control by the service specialist.

Display

Data regarding the service status or legally mandated inspections of the vehicle are automatically transmitted to your service center before a service due date.

Detailed information on service requirements

More information on the scope of service required can be displayed on the Control Display.

1. "Vehicle Info"
2. "Vehicle status"
3. "Service required"

   Required maintenance procedures and legally mandated inspections are displayed.
4. Select an entry to call up detailed information.

Symbols

Symbols	Description
OK	No service is currently required.
	The deadline for service or a legally mandated inspection is approaching.
	The service deadline has already passed.

Entering appointment dates

Enter the dates for the required inspections.

Ensure that the vehicle date and time are set correctly.

1. "Vehicle Info"
2. "Vehicle status"
3. "Service required"
4. "§ Vehicle inspection"
5. "Date:"
6. Adjust the settings.
7. Confirm.

   The entered date is stored.

Automatic Service Request

Data regarding the service status or legally mandated inspections of the vehicle are automatically transmitted to your service center before a service due date.

You can check when your service center was notified.

1. "Vehicle Info"
2. "Vehicle status"
3. Open "Options".
4. "Last Service Request"

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Gear shift indicator

The concept

The system recommends the most fuel efficient gear for the current driving situation.

Depending on how the vehicle is equipped and the country-specific version of the vehicle, the gear shift indicator is active in the manual mode of the automatic transmission and in the manual transmission.

Indicators to shift up or down are displayed in the instrument cluster.

On vehicles without a gear shift indicator, the engaged gear is displayed.

Manual transmission: displays

Symbol	Description
	Fuel efficient gear is engaged.
▲3	Shift up to fuel efficient gear.
▼3	Shift down to fuel efficient gear.
▶N	Shift into neutral.

Automatic transmission: displays

Example	Description
3	Fuel efficient gear is engaged.
3▶4	Shift into fuel efficient gear.

Speed limit detection with No Passing Information

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The concept

Speed limit detection

Speed limit detection uses a symbol in the shape of a traffic sign to display the currently detected speed limit. The camera at the base of the interior rearview mirror detects traffic signs at the edge of the road as well as variable overhead sign posts. Traffic signs with extra symbols for wet road conditions, etc. are also detected and compared with vehicle interior data, such as for the rain sensor, and are displayed depending on the situation. The system takes into account the information stored in the navigation system and also displays speed limits present on routes without signs.

No Passing Information

No Passing Information in the instrument cluster displays the beginnings and ends of no passing zones detected by the camera. The system accounts for only the beginnings and ends of No Passing zones marked by signs.

No display is shown:

- ▷ In countries where No Passing zones are primarily identified with road markings.
- ▷ On routes without signage.
- ▷ Where there are railroad crossings, highway markings or other situations where no signage is present, but passing would not be permitted.

Hints

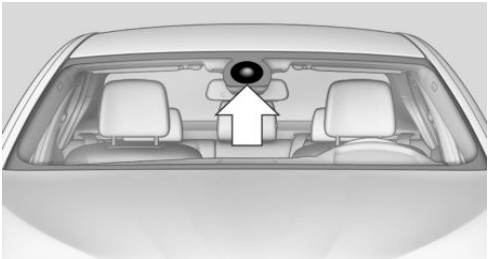
⚠ Personal judgment

The system cannot serve as a substitute for the driver's personal judgment of the traffic situation.

The system assists the driver and does not replace the human eye.◀

At a glance

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Switching on/off

1. "Settings"
2. "Info display"
3. "Speed limit information"

If speed limit detection is switched on, it can be displayed on the info display in the instrument cluster via the onboard computer. No Passing Information is displayed together with the activated speed limit information.

Display

The following is displayed in the instrument cluster.

Speed limit detection

Current speed limit.

Speed limit detection is not available.

No Passing Information

- ▷ Start of No Passing zone.
- ▷ End of No Passing zone.
- ▷ No Passing Information not available.

System limits

The system may not be fully functional and may provide incorrect information in the following situations:

- ▷ In heavy fog, rain or snowfall.
- ▷ When signs are concealed by objects.
- ▷ When driving very close to the vehicle in front of you.
- ▷ When driving toward bright lights.
- ▷ When the windshield behind the interior rearview mirror is fogged over, dirty or covered by a sticker, etc.
- ▷ In the event of incorrect detection by the camera.
- ▷ If the speed limits stored in the navigation system are incorrect.
- ▷ In areas not covered by the navigation system.
- ▷ When roads differ from the navigation, such as due to changes in the road network.
- ▷ When passing buses or trucks with a speed sticker.
- ▷ If the traffic signs are non-conforming.
- ▷ During calibration of the camera immediately after vehicle shipment.

Selection lists in the instrument cluster

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The concept

The following can be displayed or operated using the buttons and the thumbwheel on the

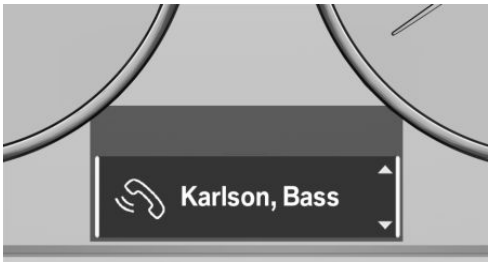
steering wheel and the display in the instrument cluster:

- ▷ Current audio source.
- ▷ Redial on telephone.
- ▷ Activation of the voice activation system.

In addition, programs of the Driving Dynamics Control are displayed.

Display

Instrument cluster



Instrument cluster with enhanced features

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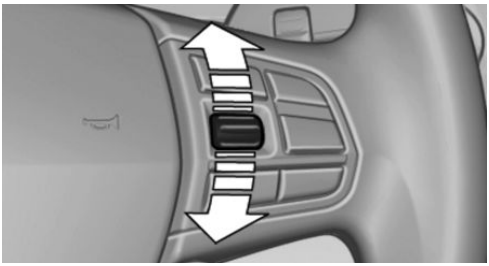
Activating a list and creating the setting

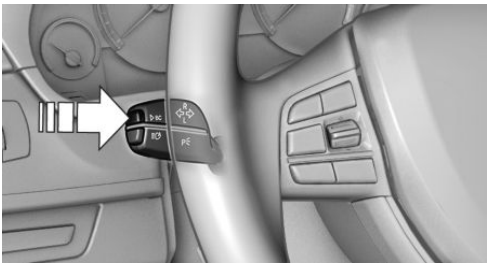


On the right side of the steering wheel, turn the thumbwheel to activate the corresponding list.

Using the thumbwheel, select the desired setting and confirm it by pressing the thumbwheel.

Computer

Calling up information on the info display

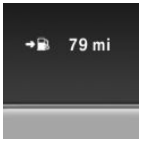


Press the onboard computer button on the turn signal lever.

Information is displayed on the info display of the instrument cluster.

Information at a glance

Info display



Repeatedly pressing the button on the turn signal lever calls up the following information on the info display:

- ▷ Range.
- ▷ ECO PRO bonus range.
- ▷ Average fuel consumption.
- ▷ Current fuel consumption.
- ▷ Average speed.
- ▷ Date.
- ▷ Speed limit detection.
- ▷ Time of arrival.

  When destination guidance is activated in the navigation system.
- ▷ Distance to destination.

  When destination guidance is activated in the navigation system.
- ▷ Arrow view of navigation system.

  When destination guidance is activated in the navigation system.

Adjusting the info display

You can select what information from the on-board computer is to be displayed on the info display of the instrument cluster.

1. "Settings"
2. "Info display"
3. Select the desired displays.

Information in detail

Range

Displays the estimated cruising range available with the remaining fuel.

It is calculated based on your driving style over the last 20 miles/30 km.

Average fuel consumption

The average fuel consumption is calculated for the period during which the engine is running.

The average fuel consumption is calculated for the distance traveled since the last reset by the onboard computer.

Average speed

Periods in which the vehicle is parked with the engine manually stopped do not enter into the calculation of the average speed.

Resetting average values

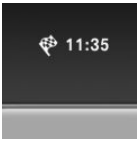
Press and hold the computer button on the turn signal lever.

Distance to destination

The distance remaining to the destination is displayed if a destination is entered in the navigation system before the trip is started.

The distance to the destination is adopted automatically.

Time of arrival



The estimated time of arrival is displayed if a destination is entered in the navigation system before the trip is started.

The time must be correctly set.

Speed limit detection

Description of the speed limit detection, refer to page 83, function.

Speed limit

Display of a speed limit which, when reached, should cause a warning to be issued.

The warning is repeated if the vehicle speed drops below the set speed limit once by at least 3 mph/5 km/h.

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Displaying, setting or changing the limit

1. "Settings"
2. "Speed"
3. "Warning at:"
4. Turn the controller until the desired limit is displayed.
5. Press the controller.

The speed limit is stored.

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Activating/deactivating the limit

1. "Settings"
2. "Speed"
3. "Warning"
4. Press the controller.

Setting your current speed as the limit

1. "Settings"
2. "Speed"
3. "Select current speed"
4. Press the controller.

   The current vehicle speed is stored as the limit.

Trip computer

The vehicle features two types of computer.

- ▷ "Onboard info": the values can be reset as often as necessary.
- ▷ "Trip computer": the values provide an overview of the current trip.

Resetting the trip computer

1. "Vehicle Info"
2. "Trip computer"
3. "Reset": all values are reset.

   "Automatically reset": all values are reset approx. 4 hours after the vehicle comes to a standstill.

Display on the Control Display

Display the onboard computer or trip computer on the Control Display.

1. "Vehicle Info"
2. "Onboard info" or "Trip computer"

Resetting the fuel consumption and speed

1. "Vehicle Info"
2. "Onboard info"
3. "Consumpt." or "Speed"
4. "Yes"

Sport displays

In the Control Display, the current values for power and torque can be displayed.

Displaying sport displays in the Control Display

1. "Vehicle Info"
2. "Sport displays"

Settings on the Control Display

Time

Setting the time zone

1. "Settings"
2. "Time/Date"
3. "Time zone"
4. Select the desired time zone.

The time zone is stored.

Setting the time

1. "Settings"
2. "Time/Date"
3. "Time:"

4. Turn the controller until the desired hours are displayed.
5. Press the controller.
6. Turn the controller until the desired minutes are displayed.
7. Press the controller.

The time is stored.

Setting the time format

1. "Settings"
2. "Time/Date"
3. "Format:"
4. Select the desired format.

The time format is stored.

Date

Setting the date

1. "Settings"
2. "Time/Date"
3. "Date:"
4. Turn the controller until the desired day is displayed.
5. Press the controller.
6. Make the necessary settings for the month and year.

The date is stored.

Setting the date format

1. "Settings"
2. "Time/Date"
3. "Format:"
4. Select the desired format.

The date format is stored.

Language

Setting the language

To set the language on the Control Display:

1. "Settings"
2. "Language/Units"
3. "Language:"
4. Select the desired language.

The setting is stored for the remote control currently in use.

Setting the voice dialog

Voice dialog for the voice activation system, refer to page 27.

Units of measure

Setting the units of measure

To set the units for fuel consumption, route/distance and temperature:

1. "Settings"
2. "Language/Units"
3. Select the desired menu item.
4. Select the desired unit.

The setting is stored for the remote control currently in use.

Brightness

Setting the brightness

To set the brightness of the Control Display:

1. "Settings"
2. "Control display"
3. "Brightness"
4. Turn the controller until the desired brightness is set.
5. Press the controller.

The setting is stored for the remote control currently in use.

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Depending on the light conditions, the brightness control may not be clearly visible.

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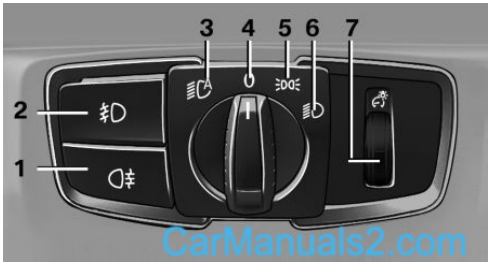
Lamps

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

At a glance



1 Rear fog lamps
2 Front fog lamps
3 Automatic headlamp control, Adaptive Light Control, High-beam Assistant, Welcome lamps, Daytime running lights
4 Lamps off, daytime running lights
5 Parking lamps, daytime running lights
6 Low beams, welcome lamps, High-beam Assistant
7 Instrument lighting

Parking lamps/low beams, headlamp control

General information

Switch position: 0, ,

If the driver door is opened with the ignition switched off, the exterior lighting is automatically switched off at these switch settings.

Parking lamps

Switch position : the vehicle lamps light up on all sides, e.g., for parking.

Do not use the parking lamps for extended periods; otherwise, the vehicle battery may become discharged and it would then be impossible to start the engine.

When parking, it is preferable to switch on the one-sided roadside parking lamps, refer to page 91.

Low beams

Switch position with the ignition switched on: the low beams light up.

Welcome lamps

When the vehicle is parked, leave the switch in position or : parking and interior lamps come on briefly when the vehicle is unlocked depending on the ambient light.

Activating/deactivating

1. "Settings"
2. "Lighting"
3. "Welcome lights"

The setting is stored for the remote control currently in use.

Headlamp courtesy delay feature

The low beams stay lit for a short while if the headlamp flasher is switched on after the ignition is switched off

Setting the duration

1. "Settings"
2. "Lighting"

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3. "Pathway lighting:"
4. Set the duration.

The setting is stored for the remote control currently in use.

Automatic headlamp control

Switch position : the low beams are switched on and off automatically, e.g., in tunnels, in twilight or if there is precipitation. The indicator lamp in the instrument cluster lights up.

A blue sky with the sun low on the horizon can cause the lights to be switched on.

The low beams always stay on when the fog lamps are switched on.

Personal responsibility

The automatic headlamp control cannot serve as a substitute for your personal judgment in determining when the lamps should be switched on in response to ambient lighting conditions.

For example, the sensors are unable to detect fog or hazy weather. To avoid safety risks, you should always switch on the lamps manually under these conditions.◂

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Daytime running lights

With the ignition switched on, the daytime running lights light up in position 0, or . After the ignition is switched off, the parking lamps light up in position .

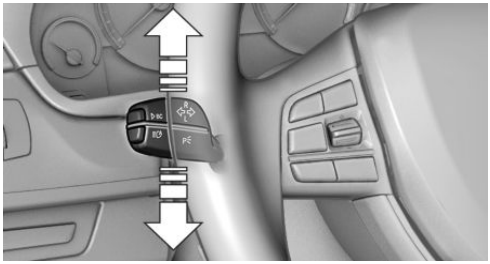
Activating/deactivating

In some countries, daytime running lights are compulsory, so it may not be possible to deactivate the daytime running lights.

1. "Settings"
2. "Lighting"
3. "Daytime running lamps"

The setting is stored for the remote control currently in use.

Roadside parking lamps



The vehicle can be illuminated on one side.

Switching on

With the ignition switched off, press the lever either up or down past the resistance point for approx. 2 seconds.

Switching off

Briefly press the lever to the resistance point in the opposite direction.

Adaptive Light Control

The concept

Adaptive Light Control is a variable headlamp control system that enables dynamic illumination of the road surface.

Depending on the steering angle and other parameters, the light from the headlamp follows the course of the road.

In tight curves, e.g., on mountainous roads or when turning, one of the two front fog lamps is switched on as a corneringlamp. As a result the inside of the curve is better lighted.

Activating

Switch position with the ignition switched on.

The cornering lamps are automatically switched on depending on the steering angle or the use of turn signals.

To avoid blinding oncoming traffic, the Adaptive Light Control does not swivel to the driver's side when the vehicle is at a standstill.

When driving in reverse, only the cornering lamp is active.

Malfunction

A Check Control message is displayed.

Adaptive light control is malfunctioning or has failed. Have the system checked as soon as possible.

Headlamp range control

With halogen headlamps, the headlamp range of the low beams can be manually adjusted for the vehicle load to avoid blinding oncoming traffic.

The values following the slash apply to trailer operation.

0 / 1 = 1 to 2 people without luggage.

1 / 1 = 4 people without luggage.

1 / 2 = 4 people with luggage.

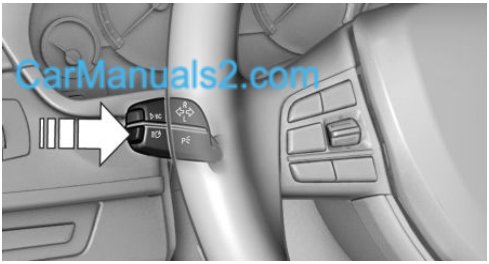
2 / 2 = 1 person, full cargo area.

High-beam Assistant

The concept

When the low beams are switched on, this system automatically switches the high beams on and off or suppresses the light in the areas that blind oncoming traffic. The procedure is controlled by a sensor on the front of the interior rearview mirror. The assistant ensures that the high beams are switched on whenever the traffic situation allows. The driver can intervene at any time and switch the high beams on and off as usual.

Activating



The High-beam Assistant can be activated when the low beams are switched on.

1. Turn the light switch to ≡D A or ≡D .
2. Press the button on the turn signal lever, arrow.

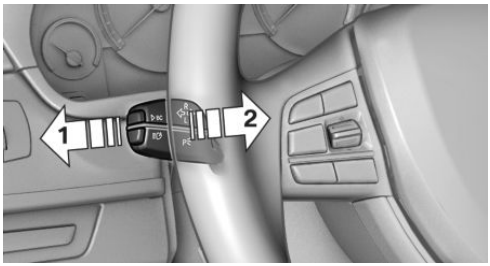
The indicator lamp in the instrument cluster lights up.

When the low beams are on, the lights are automatically brightened or dimmed.

The system responds to light from oncoming traffic and traffic driving ahead of you, and to adequate illumination, e.g., in towns and cities.

The blue indicator lamp in the instrument cluster lights up when the system switches on the high beams. Depending on the version of the system in the vehicle, the high beams may not switch off for oncoming vehicles, but may only be dimmed in the areas that blind oncoming traffic. In this case, the blue indicator light will stay on.

Switching the high beams on and off manually



- ▷ High beams on, arrow 1.
- ▷ High beams off/headlamp flasher, arrow 2.

The High-beam Assistant can be switched off when manually adjusting the light. To reactivate the High-beam Assistant, press the button on the turn signal lever.

System limits

Personal responsibility

The high-beam assistant cannot serve as a substitute for the driver's personal judgment of when to use the high beams. Therefore, manually switch off the high beams in situations where this is required to avoid a safety risk.◀

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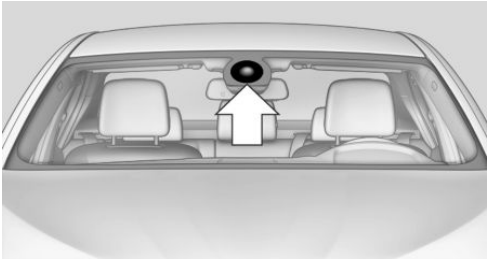
The system is not fully functional in situations such as the following, and driver intervention may be necessary:

- ▷ In very unfavorable weather conditions, such as fog or heavy precipitation.
- ▷ In detecting poorly-lit road users, such as pedestrians, cyclists, horseback riders and wagons; when driving close to train or ship traffic; and at animal crossings.
- ▷ In tight curves, on hilltops or in depressions, in cross traffic or half-obscured oncoming traffic on freeways.
- ▷ In poorly-lit towns and cities and in the presence of highly reflective signs.
- ▷ At low speeds.
- ▷ When the windshield in front of the interior rearview mirror is fogged over, dirty or covered with stickers, etc.

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Fog lamps

Front fog lamps

The low beams must be switched on.

Press the button. The green indicator lamp lights up.

If the automatic headlamp control, refer to page 91, is activated, the low beams will come on automatically when you switch on the front fog lamps.

Instrument lighting

Adjusting

The parking lamps or low beams must be switched on to adjust the brightness.

Adjust the brightness using the thumbwheel.

Interior lamps

General information

The interior lamps, footwell lamps, entry lamps and courtesy lamps are controlled automatically.

The brightness of some of these lamps is influenced by the thumbwheel for the instrument lighting.

1 Interior lamps

2 Reading lamp

Switching the interior lamps on and off

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Press the button.

To switch off permanently: press the button for approx. 3 seconds.

Switch back on: press button.

Reading lamps

Press the button.

Reading lamps are located at the front and rear next to the interior lamps.

When the interior lamps are switched off permanently, the reading lamps cannot be switched on.

Ambient light

Depending on the equipment, the lighting can be adjusted in the interior for some lights.

Selecting color scheme

1. "Settings"
2. "Lighting"
3. "Ambient:"
4. Select the desired setting.

If the color scheme of the line is selected and the welcome lamps are activated, the welcome lamps are displayed in the color of the line when the vehicle is unlocked.

Setting the brightness

The brightness of the ambient light can be adjusted via the thumbwheel for the instrument lighting or on the Control Display.

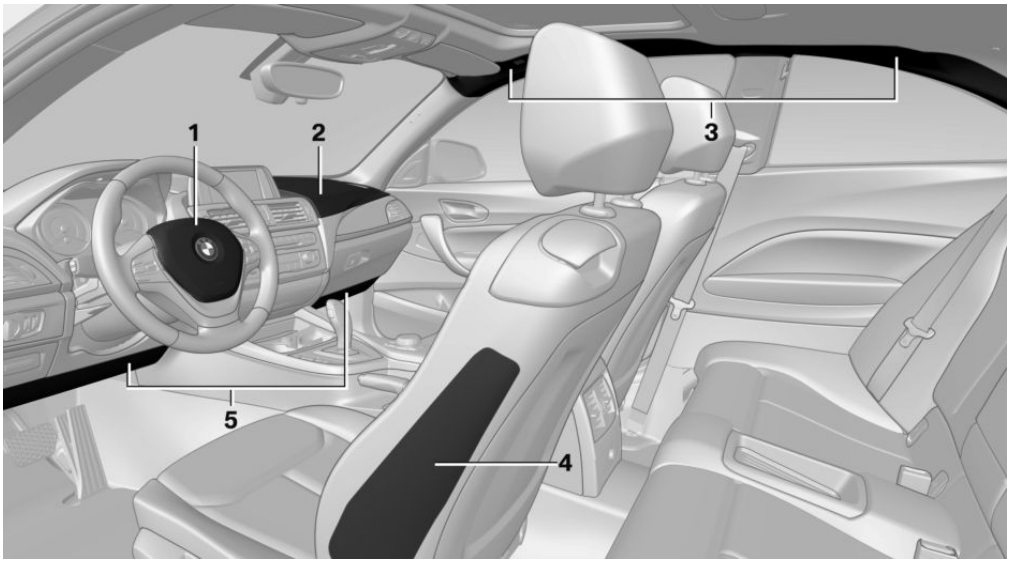
1. "Settings"
2. "Lighting"
3. "Brightness:"
4. Adjust the brightness.

Safety

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Airbags



1 Front airbag, driver
2 Front airbag, front passenger
3 Head airbag
4 Side airbag
5 Knee airbags

Front airbags

Front airbags help protect the driver and front passenger by responding to frontal impacts in which safety belts alone cannot provide adequate restraint.

Side airbags

In a lateral impact, the side airbag supports the side of the body in the chest and lap area.

Head airbags

In a lateral impact, the head airbag supports the head.

Knee airbag

The knee airbag supports the legs in a frontal impact.

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Protective action

Airbags are not triggered in every impact situation, e.g., in less severe accidents or rear-end collisions.

Information on how to ensure the optimal protective effect of the airbags

- ▷ Keep at a distance from the airbags.
- ▷ Always grasp the steering wheel on the steering wheel rim, holding your hands at the 3 o'clock and 9 o'clock positions, to keep the danger of injury to your hands or arms as low as possible if the airbag is triggered.
- ▷ There should be no people, animals, or objects between an airbag and a person.
- ▷ Do not use the cover of the front airbag on the front passenger side as a storage area.
- ▷ Keep the dashboard and window on the front passenger side clear, i.e., do not cover with adhesive labels or coverings, and do not attach holders such as for navigation instruments and mobile phones.
- ▷ Make sure that the front passenger is sitting correctly, i.e., keeps his or her feet and legs in the footwell; otherwise, leg injuries can occur if the front airbag is triggered.
- ▷ Do not place slip covers, seat cushions or other objects on the front passenger seat that are not approved specifically for seats with integrated side airbags.
- ▷ Do not hang pieces of clothing, such as jackets, over the backrests.
- ▷ Make sure that occupants keep their heads away from the side airbag and do not rest against the head airbag; otherwise, injuries can occur if the airbags are triggered.
- ▷ Do not remove the airbag restraint system.
- ▷ Do not remove the steering wheel.
- ▷ Do not apply adhesive materials to the airbag cover panels, cover them or modify them in any way.
- ▷ Never modify either the individual components or the wiring in the airbag system. This also applies to steering wheel covers, the dashboard, the seats, the roof pillars and the sides of the headliner.◀

Even when all instructions are followed closely, injury from contact with the airbags cannot be ruled out in certain situations.

The ignition and inflation noise may lead to short-term and, in most cases, temporary hearing impairment in sensitive individuals.

In the case of a malfunction, deactivation and after triggering of the airbags

Do not touch the individual components immediately after the system has been triggered; otherwise, there is the danger of burns.

Only have the airbags checked, repaired or dismantled and the airbag generator scrapped by the service center or a workshop that has the necessary authorization for handling explosives.

Non-professional attempts to service the system could lead to failure in an emergency or undesired triggering of the airbag, either of which could result in injury.◀

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Warnings and information on the airbags are also found on the sun visors.

Functional readiness of the airbag system

When the ignition is switched on, the warning lamp in the instrument cluster lights up briefly and thereby indicates the operational readiness of the entire airbag system and the belt tensioner.

Airbag system malfunctioning

- ▷ Warning lamp does not come on when the ignition is turned on.
- ▷ The warning lamp lights up continuously.

When there is a malfunction, have the airbag system checked immediately

When there is a malfunction, have the airbag system checked immediately; otherwise, there is a risk that the system does not function as expected in the event of an accident despite corresponding severity of the accident.◀

Automatic deactivation of the front passenger airbags

The system determines whether the front passenger seat is occupied by measuring the resistance of the human body.

The front, knee, and side airbag on the front passenger side are activated or deactivated accordingly.

Leave feet in the footwell

Make sure that the front passenger keeps his or her feet in the footwell; otherwise, the front passenger airbags may not function properly.◀

Child restraint fixing system in the front passenger seat

Before transporting a child on the front passenger seat, refer to the safety notes and instructions under Children on the front passenger seat.◀

Malfunction of the automatic deactivation system

When transporting older children and adults, the front passenger airbags may be deactivated in certain sitting positions. In this case, the indicator lamp for the front passenger airbags lights up.

In this case, change the sitting position so that the front passenger airbags are activated and the indicator lamp goes out.

If it is not possible to activate the airbags, have the person sit in the rear.

To make sure that the occupied seat cushion can be evaluated correctly

- ▷ Do not attach covers, cushions, ball mats or other items to the front passenger seat unless they are specifically recommended by the manufacturer of your vehicle.
- ▷ Do not place any electronic devices on the passenger seat if a child restraint system is to be installed on it.
- ▷ Do not place objects under the seat that could press against the seat from below.
- ▷ No moisture in or on the seat.

Indicator lamp for the front passenger airbags

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The indicator lamp for the front passenger airbags indicates the operating state of the front passenger airbags.

The lamp indicates whether the airbags are activated or deactivated.

- ▷ The indicator lamp lights up when a child who is properly seated in a child restraint fixing system intended for that purpose is detected on the seat or the seat is empty. The airbags on the front passenger side are not activated.
- ▷ The indicator lamp does not light up when, for example, a correctly seated person of sufficient size is detected on the seat. The airbags on the front passenger side are activated.

Detected child seats

The system generally detects children seated in a child seat, especially in the child seats that were required by NHTSA when the vehicle was manufactured. After installing a child seat, make sure that the indicator lamp for the front passenger airbags lights up. This indicates that the child seat has been detected and the front passenger airbags are not activated.

Strength of the driver's and front passenger airbag

The strength with which the driver's and front passenger airbags are triggered depends on the position of the driver's and front passenger seats.

To maintain the accuracy of this function over the long-term, calibrate the front seats when a corresponding message appears on the Control Display.

Calibrating the front seats

A corresponding message appears on the Control Display.

1. Move the respective seat forward all the way.
2. Move the respective seat forward again. It moves forward briefly.
3. Readjust the seat to the desired position.

The calibration procedure is completed when the message on the Control Display disappears.

If the message continues to be displayed, repeat the calibration.

If the message does not disappear after a repeat calibration, have the system checked as soon as possible.

Unobstructed area of movement

Ensure that the area of movement of the seats is unobstructed to avoid personal injury or damage to objects.◀

Tire Pressure Monitor TPM

The concept

The system monitors tire pressure in the four mounted tires. The system warns you if there is a significant loss of pressure in one or more tires. For this purpose, sensors in the tire valves measure the tire inflation pressure.

Hints

Tire damage due to external factors

Sudden tire damage caused by external influences cannot be indicated in advance.◀

Pay attention to the other information and indications under Tire inflation pressure, refer to page 166, as well when using the system.

Functional requirements

The system must have been reset with the correct tire inflation pressure; otherwise, reliable signaling of tire pressure loss is not ensured.

Reset the system again after each correction of the tire inflation pressure and after every tire or wheel change.

Always use wheels with TPM electronics to ensure that the system will operate properly.

Status display

The current status of the Tire Pressure Monitor TPM can be displayed on the Control Display, e.g., whether or not the TPM is active.

1. "Vehicle Info"
2. "Vehicle status"
3. (!) "Tire Pressure Monitor (TPM)"

The status is displayed.

Status display

The tire and system status is indicated by the color of the wheels and a text message on the Control Display.

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All wheels green

System is active and will issue a warning relative to the tire inflation pressures stored during the last reset.

One wheel is yellow

A flat tire or major drop in inflation pressure in the indicated tire.

All wheels are yellow

A flat tire or major drop in inflation pressure in several tires.

Wheels, gray

The system cannot detect a flat tire due to a malfunction.

Carry out reset

Reset the system after each correction of the tire inflation pressure and after every tire or wheel change.

1. "Vehicle Info"
2. "Vehicle status"
3. "Perform reset"
4. Start the engine - do not drive away.
5. Reset the tire pressure using "Perform reset".
6. Drive away.

The tires are shown in gray and the status is displayed.

After driving faster than 19 mph/30 km/h for a short period, the tire inflation pressures set are accepted as reference values. The reset is completed automatically during driving.

After a successfully completed Reset, the wheels on the Control Display are shown in green and "Tire Pressure Monitor (TPM) active" is displayed.

The trip can be interrupted at any time. If you drive away again, the reset resumes automatically.

Low tire pressure message

The yellow warning lamp lights up. A Check Control message is displayed.

▷ There is a flat tire or a major loss in tire inflation pressure.

▷ No reset was performed for the system. The system therefore issues a warning based on the tire inflation pressures before the last reset.

1. Reduce your speed and stop cautiously. Avoid sudden braking and steering maneuvers.
2. Check whether the vehicle is fitted with regular tires or run-flat tires.

   Run-flat tires, refer to page 174, are labeled with a circular symbol containing the letters RSC marked on the tire sidewall.

Do not continue driving without run-flat tires

Do not continue driving if the vehicle is not equipped with run-flat tires; continued driving may result in serious accidents.◀

When a low inflation pressure is indicated, DSC Dynamic Stability Control is switched on if necessary.

Actions in the event of a flat tire

Normal tires

1. Identify the damaged tire.

   Do this by checking the air pressure in all four tires.

   If the tire inflation pressure in all four tires is correct, the Tire Pressure Monitor may not have been initialized. In this case, initialize the system.

   If an identification is not possible, please contact the service center.

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2. Rectify the flat tire on the damaged wheel.

   Use of tire sealant, e.g., the Mobility System, may damage the TPM wheel elec-

tronics. In this case, have the electronics checked at the next opportunity and have them replaced if necessary.

Run-flat tires

Maximum speed

You can continue driving with a damaged tire at speeds up to 50 mph/80 km/h.

Continued driving with a flat tire

If continuing to drive with a damaged tire:

1. Avoid sudden braking and steering maneuvers.
2. Do not exceed a speed of 50 mph/80 km/h.
3. Check the air pressure in all four tires at the next opportunity.

   If the tire inflation pressure in all four tires is correct, it is possible that a reset was not carried out for the Tire Pressure Monitor. In that case, carry out a reset.

Possible driving distance with complete loss of tire inflation pressure:

The possible driving distance after a loss of tire inflation pressure depends on the cargo load and the driving style and conditions.

For a vehicle containing an average load, the possible driving distance is approx.
50 miles/80 km.

When the vehicle is driven with a damaged tire, its handling characteristics change, e.g., reduced lane stability during braking, a longer braking distance, and altered self-steering properties. Adjust your driving style accordingly. Avoid abrupt steering maneuvers or driving over obstacles, e.g., curbs, potholes, etc.

Because the possible driving distance depends on how the vehicle is used during the trip, the actual distance may be smaller or greater depending on the driving speed, road conditions, external temperature, cargo load, etc.

Continued driving with a flat tire

Drive moderately and do not exceed a speed of 50 mph/80 km/h.

A loss of tire inflation pressure results in a change in the handling characteristics, e.g., reduced lane stability during braking, a longer braking distance and altered self-steering properties.◀

Final tire failure

Vibrations or loud noises while driving can indicate the final failure of the tire. Reduce speed and stop; otherwise, pieces of the tire could come loose and cause an accident. Do not continue driving, and contact your service center.◀

Required inflation pressure check message

A Check Control message is displayed.

Check the tire inflation pressure and carry out a reset of the system.

In some cases, a wheel was changed without having carried out a reset.

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System limits

The system does not function properly if a reset has not been carried out, e.g., a flat tire is reported even though the tire inflation pressures are correct.

The tire pressure depends on the temperature of the tire. If the tire temperature rises, e.g., due to driving or because of the heat of the Sun, the tire inflation pressure increases also. The tire pressure is reduced when the tire temperature falls again. This behavior may cause a warning to be issued if temperatures fall very sharply.

Malfunction

The yellow warning lamp flashes and then lights up continuously. A Check

Control message is displayed. No flat tire or loss of tire pressure can be detected.

Display in the following situations:

- ▷ A wheel without TPM electronics is fitted: have the service center check it if necessary.
- ▷ Malfunction: have the system checked by your service center.
- ▷ TPM was unable to complete the reset. Reset the system again.
- ▷ Disturbance by systems or devices with the same radio frequency: after leaving the area of the disturbance, the system automatically becomes active again.

Declaration according to NHTSA/ FMVSS 138 Tire Pressure Monitoring System

Each tire, including the spare (if provided) should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires.) As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure telltale when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability. Please note that the TPMS is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale. Your vehicle has also been equipped with a TPMS malfunction indicator to indicate when the system is not operating properly. The TPMS malfunction indicator is combined with the low tire pressure telltale. When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended. TPMS malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS from functioning properly. Always check the TPMS malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS to continue to function properly.

FTM Flat Tire Monitor

The concept

The system detects a pressure loss on the basis of speed differences between the individual wheels while driving.

In the event of a pressure loss, the diameter and therefore the rotational speed of the corresponding wheel change. This is detected and reported as a flat tire.

The system does not measure the actual inflation pressure in the tires.

Functional requirements

The system must have been initialized when the tire inflation pressure was correct; otherwise, reliable signaling of a flat tire is not ensured. Initialize the system after each correction of the tire inflation pressure and after every tire or wheel change.

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Status display

The current status of the Flat Tire Monitor can be displayed on the Control Display, e.g., whether or not the FTM is active.

1. "Vehicle Info"
2. "Vehicle status"
3. "Flat Tire Monitor (FTM)"

The status is displayed.

Initialization

The initialization process adopts the set inflation tire pressures as reference values for the detection of a flat tire. Initialization is started by confirming the inflation pressures.

Do not initialize the system when driving with snow chains.

1. "Vehicle Info"
2. "Vehicle status"
3. "Perform reset"
4. Start the engine - do not drive away.
5. Start the initialization with "Perform reset".
6. Drive away.

The initialization is completed while driving, which can be interrupted at any time.

The initialization automatically continues when driving resumes.

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Indication of a flat tire

The yellow warning lamp lights up. A Check Control message is displayed.

There is a flat tire or a major loss in tire inflation pressure.

1. Reduce your speed and stop cautiously. Avoid sudden braking and steering maneuvers.
2. Check whether the vehicle is fitted with regular tires or run-flat tires.

   Run-flat tires, refer to page 174, are labeled with a circular symbol containing the letters RSC marked on the tire sidewall.

Do not continue driving without run-flat tires

Do not continue driving if the vehicle is not equipped with run-flat tires; continued driving may result in serious accidents.◀

When a flat tire is indicated, DSC Dynamic Stability Control is switched on if necessary.

System limits

Sudden tire damage

Sudden serious tire damage caused by external influences cannot be indicated in advance.◀

A natural, even pressure loss in all four tires cannot be detected. Therefore, check the tire inflation pressure regularly.

The system could be delayed or malfunction in the following situations:

- ▷ When the system has not been initialized.
- ▷ When driving on a snowy or slippery road surface.
- ▷ Sporty driving style: slip in the drive wheels, high lateral acceleration.
- ▷ When driving with snow chains.

Actions in the event of a flat tire

Normal tires

1. Identify the damaged tire.

   Do this by checking the air pressure in all four tires.

   If the tire inflation pressure in all four tires is correct, the Flat Tire Monitor may not have been initialized. In this case, initialize the system.

   If an identification is not possible, please contact the service center.
2. Rectify the flat tire on the damaged wheel.

Run-flat tires

Maximum speed

You can continue driving with a damaged tire at speeds up to 50 mph/80 km/h.

Continued driving with a flat tire

If continuing to drive with a damaged tire:

1. Avoid sudden braking and steering maneuvers.
2. Do not exceed a speed of 50 mph/80 km/h.
3. Check the air pressure in all four tires at the next opportunity.

   If the tire inflation pressure in all four tires is correct, the Flat Tire Monitor may not have been initialized. In this case, initialize the system.

Possible driving distance with complete loss of tire inflation pressure:

The possible driving distance after a loss of tire inflation pressure depends on the cargo load and the driving style and conditions.

For a vehicle containing an average load, the possible driving distance is approx.
50 miles/80 km.

When the vehicle is driven with a damaged tire, its handling characteristics change, e.g., reduced lane stability during braking, a longer braking distance, and altered self-steering properties. Adjust your driving style accordingly. Avoid abrupt steering maneuvers or driving over obstacles, e.g., curbs, potholes, etc.

Because the possible driving distance depends on how the vehicle is used during the trip, the actual distance may be smaller or greater depending on the driving speed, road conditions, external temperature, cargo load, etc.

Continued driving with a flat tire

Drive moderately and do not exceed a speed of 50 mph/80 km/h.

A loss of tire inflation pressure results in a change in the handling characteristics, e.g., reduced lane stability during braking, a longer braking distance and altered self-steering properties.◀

Final tire failure

Vibrations or loud noises while driving can indicate the final failure of the tire. Reduce speed and stop; otherwise, pieces of the tire could come loose and cause an accident. Do not continue driving, and contact your service center.◀

Intelligent Safety

The concept

Depending on how the vehicle is equipped, Intelligent Safety consists of one or more of the following systems, which can help to avoid an imminent collision. These systems are active automatically every time the engine is started using the Start/Stop button:

- ▷ Collision warning with City Braking function, refer to page 104.
- ▷ Pedestrian warning, refer to page 107.

Note

Personal responsibility

The system does not serve as a substitute for the driver's personal judgment of the traffic situation.

Be aware of the traffic situation and the vehicle's surroundings at all times, otherwise an accident is still possible despite all warnings.◀

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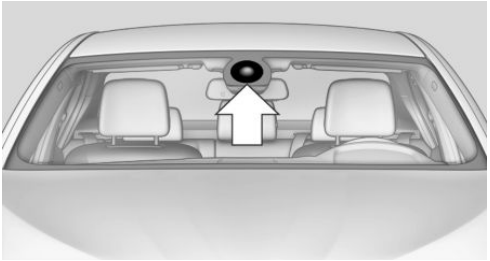
At a glance

Button in the vehicle

Intelligent Safety button

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Switching on/off

The Intelligent Safety systems are automatically active after each engine start via the start/stop button.

Press the button: the systems are switched off. The LED goes out.

Press the button: the systems are switched off. The LED lights up.

Settings can be made on the Control Display.

Collision warning with City Braking function

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The concept

The system can help to prevent accidents. If an accident cannot be prevented, the system helps to reduce the collision speed.

The system issues a warning if there is imminent danger of a collision and if so brakes independently.

The automatic braking intervention is done with limited force and duration.

The system is controlled via a camera in the base of the mirror.

The collision warning is available even if cruise control has been deactivated.

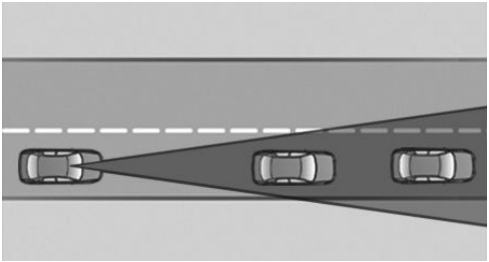
When the vehicle is intentionally brought close to a vehicle, the collision warning is delayed to avoid false warnings.

General information

The system issues a two-phase warning of a danger of collision with vehicles at speeds above approx. 3 mph/5 km/h. The time of these warnings may vary depending on the current driving situation.

Up to approx. 35 mph/60 km/h a braking intervention occurs when appropriate.

Detection range



Vehicles are observed when they are traveling in the same direction of movement if they are

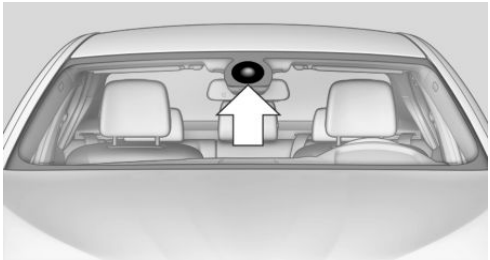
located within the detection range of the system.

At a glance

Button in the vehicle

Intelligent Safety button

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Switching on/off

Switching on automatically

The system is automatically active every time the engine is started using the Start/Stop button.

Switching off

The system is only switched off until the next time the engine is started with the Start/Stop button.

Press the button.

The LED goes out.

Switch the system back on: press the button again.

Setting the warning time

The warning time can be set via iDrive.

1. "Settings"
2. "Frontal Coll. Warning"
3. Activate the desired warning time on the Control Display.

The selected channel is stored for the remote control currently in use.

Warning with braking function

Note

Adapting your speed and driving style

The warning does not relieve the driver of the responsibility to adapt his or her driving speed and style to the traffic conditions.◀

Display

If a collision with a vehicle detected in this way is imminent, a warning symbol appears on the instrument cluster and in the Head-up Display.

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Symbol	Measure
	The vehicle lights up red: prewarning. Increase braking and distance.
	The vehicle flashes red and an acoustic signal sounds: acute warning. You are requested to intervene by braking or making an evasive maneuver.

Braking intervention

The warning prompts the driver himself to intervene. During a warning, the maximum braking force is used. A prerequisite for the brake booster is a sufficiently fast and sufficiently strong actuation of the brake pedal. In addition, if there is a risk of collision, the system can assist with a slight braking intervention. The intervention can bring a vehicle traveling at slow speed to a complete stop.

Manual transmission: During a braking intervention up until reaching a complete stop, the engine may be shut down.

The braking intervention is executed only if DSC Dynamic Stability Control is switched on and Dynamic Traction Control DTC is activated.

The braking intervention can be interrupted by pressing on the accelerator pedal or by actively moving the steering wheel.

Tow-starting and towing

When tow-starting and towing the vehicle, switch off the Intelligent Safety systems; otherwise, improper behavior of the braking function of individual systems could result in an accident.◀

System limits

Be alert

Due to system limitations, warnings may be not be issued at all, or may be issued late or improperly. Therefore, always be alert and ready to intervene; otherwise, there is the danger of an accident occurring.◀

Detection range

The system's detection capabilities are limited.

This may result in the warning not being issued or being issued late.

For example, the following situations may not be detected:

- ▷ Slow moving vehicles when you approach them at high speed.
- ▷ Vehicles that suddenly swerve in front of you or sharply decelerating vehicles.
- ▷ Vehicles with an unusual rear appearance.
- ▷ Two-wheeled vehicles ahead of you.
- ▷ Pedestrians.

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Functional limitations

The system may not be fully functional in the following situations:

- ▷ In heavy fog, rain, sprayed water or snowfall.
- ▷ In tight curves.
- ▷ If the driving stability control systems are limited or deactivated, for example, DSC OFF.
- ▷ If the camera in the mirror or the radar sensor is dirty or obscured.
- ▷ During calibration of the camera immediately after vehicle shipment.
- ▷ If there is constant dimming because of oncoming light, for example, from the sun low in the sky.

Prewarning sensitivity

Depending on the set prewarning time, this may result in increased false warnings.

Pedestrian warning with city braking function

The concept

The system can help to prevent accidents with pedestrians.

The system issues a warning in the city driving speed area if there is imminent danger of a collision with pedestrians and includes a braking function.

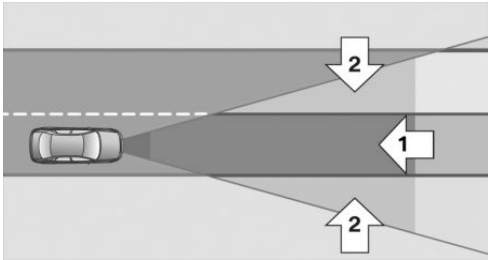
The system is controlled via the camera in the base of the interior mirror.

General information

The system issues a warning with brightness staring at approx. 6 mph/10 km/h to approx. 35 mph/60 km/h regarding a possible risk of collision with pedestrians and assists with a brake intervention shortly before a collision.

It responds to persons that are within the detection range of the system.

Detection range



The detection area in front of the vehicle is divided into two areas.

- ▷ Central area, arrow 1, directly in front of the vehicle.
- ▷ Expanded area, arrow 2, to the right and left.

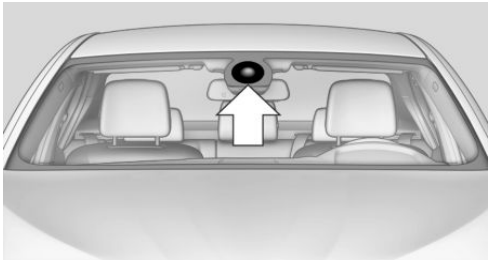
A collision is imminent if pedestrians are located within the central area. A warning is issued about pedestrians who are located within the extended area only if they are moving in the direction of the central area.

At a glance

Button in the vehicle

Intelligent Safety button

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Switching on/off

Switching on automatically

The system is automatically active every time the engine is started using the Start/Stop button.

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Switching off

Press the button: the systems are switched off. The LED goes out.

Press the button: the systems are switched off. The LED lights up.

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Warning with braking function

Note

Adapting your speed and driving style

The warning does not relieve the driver of the responsibility to adapt his or her driving speed and style to the traffic conditions.◀

Display

If a collision with a person detected in this way is imminent, a warning symbol appears on the instrument cluster and in the Head-up Display.

The red symbol is displayed and a signal sounds.

Intervene immediately by braking or making an evasive maneuver.

Braking intervention

The warning prompts the driver himself to intervene. During a warning, the maximum braking force is used. A prerequisite for the brake booster is a sufficiently fast and sufficiently strong actuation of the brake pedal. In addition, if there is a risk of collision, the system can assist with a slight braking intervention. The intervention can bring a vehicle traveling at slow speed to a complete stop.

Manual transmission: During a braking intervention up until reaching a complete stop, the engine may be shut down.

The braking intervention is executed only if DSC Dynamic Stability Control is switched on and Dynamic Traction Control DTC is activated.

The braking intervention can be interrupted by pressing on the accelerator pedal or by actively moving the steering wheel.

Tow-starting and towing

When tow-starting and towing the vehicle, switch off the Intelligent Safety systems; otherwise, improper behavior of the braking function of individual systems could result in an accident.◀

System limits

Be alert

Due to system limitations, warnings may be not be issued at all, or may be issued late or improperly. Therefore, always be alert and ready to intervene; otherwise, there is the danger of an accident occurring.◀

Detection range

The detection capability of the camera is limited.

This may result in the warning not being issued or being issued late.

For example, the following situations may not be detected:

- ▷ Partially covered pedestrians.
- ▷ Pedestrians that are not detected as such because of the viewing angle or contour.
- ▷ Pedestrians outside of the detection range.
- ▷ Pedestrians having a body size less than 32 in/80 cm.

Functional limitations

The system may not be fully functional or may not be available in the following situations:

- ▷ In heavy fog, rain, sprayed water or snowfall.
- ▷ In tight curves.
- ▷ If the camera view field or the front windshield are dirty or covered.
- ▷ When driving toward bright lights.

- ▷ Up to 10 seconds after the start of the engine, via the Start/Stop knob.
- ▷ During calibration of the camera immediately after vehicle shipment.
- ▷ When it is dark outside.

Lane departure warning

The concept

Starting at a specific speed, this system alerts you when the vehicle on streets with lane markings is about to leave the lane. This speed, depending on the country version, is between 35 mph/55 km/h and 45 mph/70 km/h.

When switching on the system below this speed, a message is displayed in the instrument cluster.

The steering wheel begins vibrating gently in the event of warnings. The time of the warning may vary depending on the current driving situation.

The system does not provide a warning if the turn signal is set before leaving the lane.

Notes

⚠ Personal responsibility

The system cannot serve as a substitute for the driver's personal judgment of the course of the road and the traffic situation.

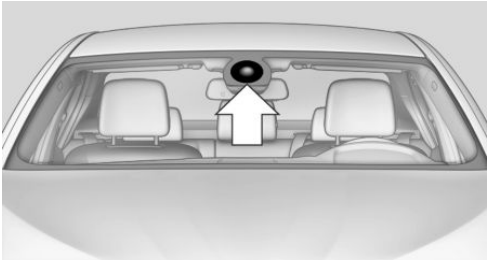
In the event of a warning, do not jerk the steering wheel, as you may lose control of the vehicle.◀

At a glance

Button in the vehicle

Lane departure warning

Camera



The camera is located near the base of the mirror.

Keep the windshield in the area behind the interior rear view mirror clean and clear.

Switching on/off

Press the button.

- ▷ On: the LED lights up.
- ▷ Off: the LED goes out.

The state is stored for the remote control currently in use.

Display in the instrument cluster

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- ▷ Lines: system is activated.

- ▷ Arrows: at least one lane marking was detected and warnings can be issued.

Issued warning

If you leave the lane and if a lane marking has been detected, the steering wheel begins vibrating.

If the turn signal is set before changing the lane, a warning is not issued.

End of warning

The warning ends:

- ▷ Automatically after approx. 3 seconds.
- ▷ When returning to your own lane.
- ▷ When braking hard.
- ▷ When using the turn signal.

System limits

The system may not be fully functional in the following situations:

- ▷ In heavy fog, rain or snowfall.
- ▷ In the event of worn, poorly visible, merging, diverging, or multiple lane markings such as in construction areas.
- ▷ When lane markings are covered in snow, ice, dirt or water.
- ▷ In tight curves or on narrow lanes.
- ▷ When the lane markings are covered by objects.
- ▷ When driving very close to the vehicle in front of you.
- ▷ When driving toward bright lights.
- ▷ When the windshield in front of the interior rearview mirror is fogged over, dirty or covered with stickers, etc.
- ▷ During calibration of the camera immediately after vehicle shipment.

Brake force display

The concept

- ▷ During normal brake application, the bottom brake lamps light up.
- ▷ During heavy brake application, the top brake lamps light up in addition.

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Driving stability control systems

Vehicle equipment

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All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Antilock Brake System ABS

ABS prevents locking of the wheels during braking.

The vehicle remains steerable even during full brake applications, thus increasing active safety.

ABS is operational every time you start the engine.

Brake assistant

When you apply the brakes rapidly, this system automatically produces the maximum braking force boost. This then reduces braking distance to a minimum during full braking. This system utilizes all of the benefits provided by ABS.

Do not reduce the pressure on the brake pedal for the duration of the full braking.

DSC Dynamic Stability Control

The concept

DSC prevents traction loss in the driving wheels when driving away and accelerating.

DSC also recognizes unstable vehicle conditions, such as fishtailing or nose-diving. Subject to physical limits, DSC helps to keep the vehicle on a steady course by reducing engine speed and by applying brakes to the individual wheels.

Adjust your driving style to the situation

An appropriate driving style is always the responsibility of the driver.

The laws of physics cannot be repealed, even with DSC.

Therefore, do not reduce the additional safety margin by driving in a risky manner.◀

Indicator/warning lamps

The indicator lamp flashes: DSC controls the drive forces and brake forces.

The indicator lamp lights up: DSC has failed.

Deactivating DSC: DSC OFF

When DSC is deactivated, driving stability is reduced during acceleration and when driving in bends.

To increase vehicle stability, activate DSC again as soon as possible.

Deactivating DSC

Press and hold the button, but not longer than approx. 10 seconds, until the indicator lamp for DSC OFF lights up in the instrument cluster and DSC OFF is displayed.

The DSC system is switched off.

Activating DSC

Press the button.

DSC OFF and the DSC OFF indicator lamp go out.

Indicator/warning lamps

When DSC is deactivated, DSC OFF is displayed in the instrument cluster.

The indicator lamp lights up: DSC is deactivated.

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DTC Dynamic Traction Control

The concept

The DTC system is a version of the DSC in which forward momentum is optimized.

The system ensures maximum forward momentum on special road conditions, e.g., unplowed snowy roads, but driving stability is limited.

It is therefore necessary to drive with appropriate caution.

You may find it useful to briefly activate DTC under the following special circumstances:

- When driving in slush or on uncleared, snow-covered roads.
- When rocking the vehicle or driving off in deep snow or on loose surfaces.
- When driving with snow chains.

Deactivating/activating DTC Dynamic Traction Control

Activating the Dynamic Traction Control DTC provides maximum traction on loose ground. Driving stability is limited during acceleration and when driving in bends.

Activating DTC

Press the button.

TRACTION is displayed in the instrument cluster and the indicator lamp for DSC OFF lights up.

Deactivating DTC

Press the button again.

TRACTION and the DSC OFF indicator lamp go out.

Above 31 mph/50 km/h DTC is automatically deactivated.

Variable sport steering

The variable sport steering increases the steering angle of the front wheels at large steering wheel angles, e.g., in tight curves or when parking. Steering becomes more direct.

It also varies the force required to turn the wheels in accordance with the vehicle speed.

This results in a sporty steering response. In addition, it becomes easier to steer during parking and maneuvering.

Driving Dynamics Control

The concept

The Driving Dynamics Control can be used to adjust the certain characteristics of the vehicle. Various programs can be selected for this purpose. The Driving Dynamics Control and the DSC OFF buttons can each be used to activate a program.

Operating the programs

Press the button	Program
	DSC OFF TRACTION
	SPORT+ SPORT COMFORT ECO PRO

Automatic program change

The system automatically switches to COMFORT in the following situations:

- ▷ Failure of DSC Dynamic Damping Control.
- ▷ The vehicle has a flat tire.
- ▷ When activating cruise control in TRACTION or DSC OFF mode.

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DSC OFF

When DSC OFF, refer to page 111, is active, driving stability is limited during acceleration and when driving in bends.

TRACTION

When TRACTION is active, the vehicle has maximum traction on loose road surfaces. DTC Dynamic Traction Control, refer to page 112, is activated. Driving stability is limited during acceleration and when driving in bends.

SPORT+

Sporty driving with optimized chassis and adapted engine control with limited driving stabilization.

Dynamic Traction Control is switched on.

The driver handles several of the stabilization tasks.

Activating SPORT+

Press the button repeatedly until SPORT+ appears in the instrument cluster and the DSC OFF indicator lamp lights up.

Automatic program change

When activating cruise control, the program automatically switches to SPORT mode.

Indicator/warning lamps

SPORT+ is displayed in the instrument cluster.

The DSC OFF indicator lamp lights up: Dynamic Traction Control is activated.

SPORT

Consistently sporty tuning of the suspension and engine control for greater driving agility with maximum driving stabilization.

The program can be configured to individual specifications. The configuration is stored for the remote control currently in use.

Activating SPORT

Press button repeatedly until SPORT is displayed in the instrument cluster.

Configuring SPORT

When the display is activated on the Control Display, refer to page 114, the SPORT driving mode can be set to individual specifications.

- ▷ Activating SPORT.
- ▷ "Configure SPORT"
- ▷ Configuring the SPORT driving mode.

SPORT can also be configured before it is activated:

1. "Settings"
2. "Driving mode"
3. "Configure SPORT"
4. Configure driving mode.

This configuration is retrieved when the SPORT driving mode is activated.

COMFORT

For a balanced tuning with maximum driving stabilization.

Activating COMFORT

Press button repeatedly until COMFORT is displayed in the instrument cluster.

In certain situations, the system automatically changes to the NORMAL program, automatic program change, refer to page 113.

ECO PRO

ECO PRO, refer to page 155, provides consistent tuning to minimize fuel consumption for maximum range with maximum driving stabilization.

Comfort functions and the engine controller are adjusted.

The program can be configured to individual specifications.

Activating ECO PRO

Press button repeatedly until ECO PRO is displayed in the instrument cluster.

Configuring ECO PRO

1. Activate ECO PRO.
2. "Configure ECO PRO"

Make the desired settings.

Configuring drive program

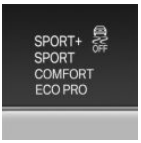
Settings can be made for the following driving programs in Driving mode:

▷ SPORT, refer to page 113.

▷ ECO PRO, refer to page 156.

Displays

Program selection



Pressing the button displays a list of the selectable programs.

Selected program

The selected program is displayed in the instrument cluster.

Display on the Control Display

Program changes can be displayed on the Control Display.

1. "Settings"
2. "Driving mode"
3. "Driving mode info"

Drive-off assistant

This system supports driving away on gradients. The parking brake is not required.

1. Hold the vehicle in place with the foot brake.
2. Release the foot brake and drive away without delay.

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After the foot brake is released, the vehicle is held in place for approx. 2 seconds.

Depending on the vehicle load or when a trailer is being used, the vehicle may roll back slightly.

Driving off without delay

After releasing the foot brake, start driving without delay, since the drive-off assistant will not hold the vehicle in place for more than approx. 2 seconds and the vehicle will begin rolling back.◀

Driving comfort

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Cruise control

The concept

The system is functional at speeds beginning at approx. 20 mph/30 km/h.

It maintains the speed that was set using the control elements on the steering wheel.

The system brakes on downhill gradients if engine braking action is insufficient.

Unfavorable conditions

Do not use the system if unfavorable conditions make it impossible to drive at a constant speed, for instance:

- ▷ On curvy roads.
- ▷ In heavy traffic.
- ▷ On slippery roads, in fog, snow or rain, or on a loose road surface.

Otherwise, you could lose control of the vehicle and cause an accident.◀

General information

Depending on the set driving program, the characteristics of the cruise control can change in certain areas.

At a glance

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Buttons on the steering wheel

Press the button	Function
	System on/off, interrupt
SET	Store speed
RES	Resume speed
	Rocker switch: change, hold, store speed

Controls

Switching on

Press the button on the steering wheel.

The marking in the speedometer is set to the current speed.

Cruise control can be used.

Switching off

Deactivated or interrupted system

If the system is deactivated or interrupted, actively intervene by braking and, if necessary, with evasive maneuvers; otherwise, there is the danger of an accident occurring.◀

Press the button.

- ▷ If active: press twice.
- ▷ If interrupted: press once.

The displays go out. The stored desired speed is deleted.

Interrupting

When active, press the button.

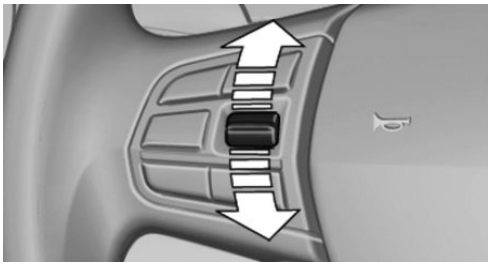
The system is automatically interrupted if:

- ▷ The brakes are applied.
- ▷ The clutch pedal is depressed for a few seconds or released while a gear is not engaged.
- ▷ The gear engaged is too high for the current speed.
- ▷ The transmission position D is disengaged.
- ▷ DTC Dynamic Traction Control is activated or DSC is deactivated.
- ▷ DSC is actively controlling stability.
- ▷ When SPORT+ is activated with Driving Dynamics Control.

Maintaining/storing the current speed

Press the button.

Or



Press the rocker switch while the system is interrupted.

When the system is switched on, the current speed is maintained and stored as the desired speed.

It is displayed in the speedometer and briefly displayed in the instrument cluster, Displays in the speedometer, refer to page 117.

When cruise control is maintained or stored, DSC Dynamic Stability Control is switched on, if necessary.

Changing/maintaining speed

The rocker switch can be pressed while the system is interrupted in order to maintain and store the current speed.

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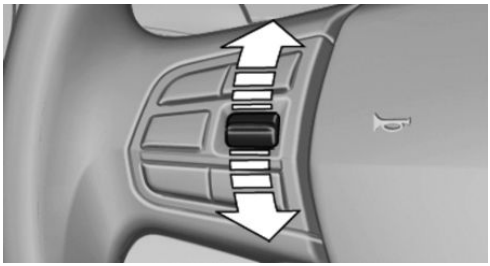
Adapting the desired speed

Adapt the desired speed to the road conditions and be ready to brake at all times; otherwise, there is the danger of an accident occurring.◀



Press the rocker switch up or down repeatedly until the desired speed is set.

If active, the displayed speed is stored and the vehicle reaches the stored speed if the road is clear.

- ▷ Each time the rocker switch is pressed to the point of resistance, the desired speed increases or decreases by approx. 1 mph/1 km/h.
- ▷ Each time the rocker switch is pressed past the point of resistance, the desired speed increases or decreases by a maximum of 5 mph/10 km/h.

  The maximum speed that can be set depends on the vehicle.
- ▷ Pressing the rocker switch to the resistance point and holding it accelerates or decelerates the vehicle without requiring pressure on the accelerator pedal. After the rocker switch is released, the vehicle maintains its final speed. Pressing the switch beyond the resistance point causes the vehicle to accelerate more rapidly.

Resuming the desired speed

Press the button.

The stored speed is reached and maintained.

Displays in the instrument cluster

Indicator lamp

Depending on how the vehicle is equipped, the indicator lamp in the instrument cluster indicates whether the system is switched on.

Desired speed

- ▷ The marking lights up green: the system is active.
- ▷ The marking lights up orange: the system has been interrupted.
- ▷ The marking does not light up: the system is switched off.

Brief status display

Selected desired speed.

If --- appears briefly on the display for Check Control messages, it is possible that the system requirements for operation are currently not met.

PDC Park Distance Control

The concept

PDC supports you when parking. Objects that you are approaching slowly in front of or behind your vehicle are indicated with:

- ▷ Signal tones.
- ▷ Visual display.

General information

Measurements are made by ultrasound sensors in the bumpers.

The range, depending on the environment, is approx. 6 ft/2 m.

An acoustic warning is first given:

- ▷ By the front middle sensors and the two corner sensors at approx. 24 in/60 cm.
- ▷ By the rear middle sensors at approx. 5 ft/1.50 m.

To ensure full operability:

- ▷ Do not cover sensors, e.g., by stickers, bicycle racks and the like.
- ▷ Keep the sensors clean and free of ice.
- ▷ When using high-pressure washers, do not spray the sensors for long periods and maintain a distance of at least 12 in/30 cm.

Hints

Personal responsibility

Even an active system does not relieve the driver from personal responsibility for the driving process.

Because of technical system limits, the system cannot independently react appropriately in all traffic situations.

Continuously and attentively monitor the driving process, the area surrounding the vehicle and the traffic situation, and actively intervene when required, otherwise, there is a risk of an accident.◀

Avoid driving quickly with PDC

Avoid approaching an object quickly.

Avoid driving away quickly while PDC is not yet active.

For technical reasons, the system may otherwise be too late in issuing a warning.◀

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At a glance

Button in the vehicle

PDC Park Distance Control

Switching on/off

Switching on automatically

Select transmission position R with the engine running.

Automatic deactivation during forward travel

The system switches off when a certain driving distance or speed is exceeded.

Switch the system back on if necessary.

Switching on/off manually

Press the button.

- ▷ On: the LED lights up.
- ▷ Off: the LED goes out.

In addition to the PDC Park Distance Control, the rearview camera, refer to page 119, can be switched on.

Switching on the rearview camera via the iDrive

With PDC activated:

"Rear view camera"

The rearview camera image is displayed. The setting is stored for the remote control currently in use.

Display

Signal tones

When approaching an object, an intermittent tone is sounded that indicates the position of the object. For example, if an object is detected to the left rear of the vehicle, a signal tone sounds from the left rear speaker.

The shorter the distance to the object becomes, the shorter the intervals.

If the distance to a detected object is less than approx. 10 in/25 cm, a continuous tone is sounded.

If objects are located both in front of and behind the vehicle, an alternating continuous signal is sounded.

The signal tone is switched off:

- ▷ When the vehicle moves away from an object by more than approx. 4 in/10 cm.
- ▷ When transmission position P is engaged.

Volume

The volume of the PDC signal can be adjusted, refer to user's manual for Navigation, Entertainment, Communication.

The setting is stored for the remote control currently in use.

Visual warning

The approach of the vehicle to an object can be shown on the Control Display. Objects that are farther away are displayed on the Control Display before a signal tone sounds.

A display appears as soon as Park Distance Control (PDC) is activated.

The range of the sensors is represented in the colors red, green and yellow.

If the rearview camera image was selected last, it again appears on the display. To switch to PDC:

1. "Rear view camera" Select the symbol on the Control Display.

2. Press the controller.

The setting is stored for the remote control currently in use.

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System limits

Limits of ultrasonic measurement

The detection of objects can reach the physical limits of ultrasonic measurement, e.g., in the following circumstances:

- ▷ For small children and animals.
- ▷ For persons with certain clothing, e.g. coats.
- ▷ If there is an external disturbance of the ultrasound, e.g. from passing vehicles or loud machines.
- ▷ When sensors are soiled, iced over or damaged.
- ▷ Under certain weather conditions, e.g., high relative humidity, rain, snowfall or strong wind.
- ▷ With tow bars and trailer hitches of other vehicles.
- ▷ With thin or wedge-shaped objects.
- ▷ With moving objects.
- ▷ With elevated, protruding objects such as ledges or cargo.
- ▷ With objects with corners and sharp edges.
- ▷ With objects with a fine surface structure, such as fences.
- ▷ For objects with porous surfaces.

Low objects already displayed, e.g., curbs, can move into the blind area of the sensors before or after a continuous tone sounds.

False warnings

PDC may issue a warning under the following conditions even though there is no obstacle within the detection range:

- ▷ In heavy rain.
- ▷ When sensors are very dirty or covered in ice.
- ▷ When sensors are covered in snow.
- ▷ On rough road surfaces.
- ▷ On uneven surfaces, such as speed bumps.
- ▷ In large buildings with right angles and smooth walls, e.g., in underground garages.
- ▷ In heavy exhaust.
- ▷ Due to other ultrasound sources, e.g., sweeping machines, high pressure steam cleaners or neon lights.

  The malfunction is signaled by a continuous tone alternating between the front and rear speakers. As soon as the malfunction due to other ultrasound sources is no longer present, the system is again fully functional.

Malfunction

A Check Control message, refer to page 78, is displayed in the instrument cluster.

On the Control Display, the areas in front of and behind the vehicle are shaded. PDC has failed. Have the system checked.

To ensure full operability:

- ▷ Keep the sensors clean and free of ice.
- ▷ Do not adhere any stickers to the sensors.
- ▷ When using high-pressure washers, do not spray the sensors for long periods and maintain a distance of at least 12 in/30 cm.

Rearview camera

The concept

The rearview camera provides assistance in parking and maneuvering backwards. The area behind the vehicle is shown on the Control Display.

Hints

Check the traffic situation as well

Check the traffic situation around the vehicle with your own eyes. Otherwise, an accident could result from road users or objects located outside the picture area of the backup camera.◀

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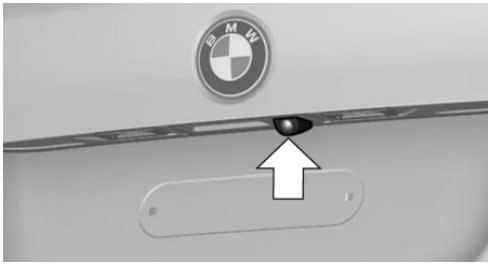
At a glance

Button in the vehicle

Rearview camera

Camera



The camera lens is located in the handle of the trunk lid. The image quality may be impaired by dirt.

Clean the lens, refer to page 202.

Switching on/off

Switching on automatically

Select transmission position R with the engine running.

The rearview camera image is displayed if the system was switched on via the iDrive.

Automatic deactivation during forward travel

The system switches off when a certain driving distance or speed is exceeded.

Switch the system back on if necessary.

Switching on/off manually

Press the button.

- ▷ On: the LED lights up.
- ▷ Off: the LED goes out.

The PDC is shown on the Control Display.

Switching on the rearview camera via the iDrive

With PDC activated:

"Rear view camera"

The rearview camera image is displayed. The setting is stored for the remote control currently in use.

Display on the Control Display

Functional requirement

- ▷ The rearview camera is switched on.
- ▷ The trunk lid is fully closed.

Activating the assistance functions

More than one assistance function can be active at the same time.

- ▷ Parking aid lines

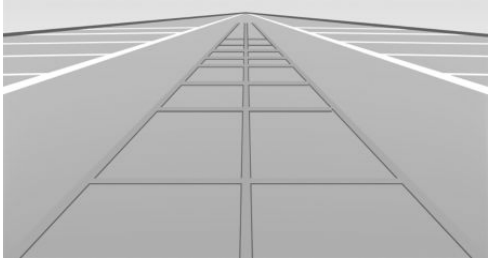
  "Parking aid lines"

  Pathway and turning circle lines are displayed.
- ▷ Obstacle marking

  "Obstacle marking"

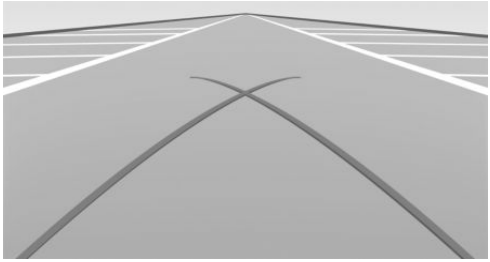
  Spatially-shaped markings are displayed.

Pathway lines



- Can be shown in the rearview camera image when in drive mode R.
- Help you to estimate the space required when parking and maneuvering on level roads.
- Are dependent on the current steering angle and are continuously adjusted to the steering wheel movements.

Turning circle lines



- Can be shown in the rearview camera image.
- Show the course of the smallest possible turning circle on a level road.
- Only one turning circle line is displayed after the steering wheel is turned past a certain angle.

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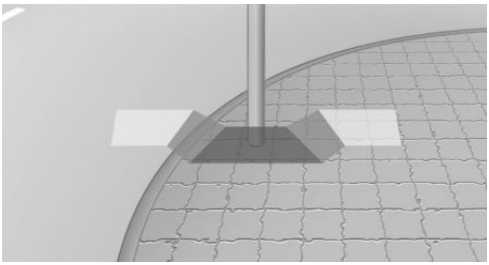
Obstacle marking

General information

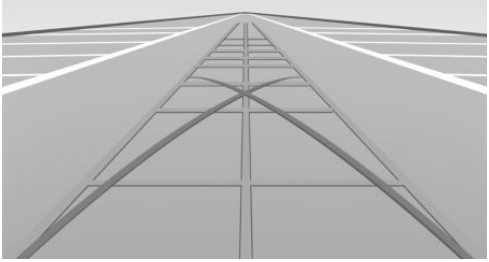


Marks for detected obstacles can be shown in the rearview camera image.

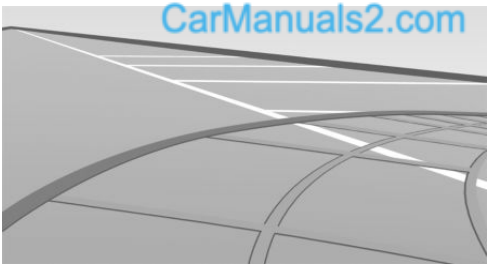
Their colored steps match the markings of the PDC. This simplifies estimation of the distance to the object shown.

Parking using pathway and turning circle lines

1. Position the vehicle so that the turning circle lines lead to within the limits of the parking space.



2. Turn the steering wheel to the point where the pathway line covers the corresponding turning circle line.



Display settings

Brightness

With the rearview camera switched on:

1. ☼ Select the symbol.
2. Turn the controller until the desired setting is reached, and press the controller.

Contrast

With the rearview camera switched on:

1. ◐ Select the symbol.
2. Turn the controller until the desired setting is reached, and press the controller.

System limits

Detection of objects

Very low obstacles as well as high, protruding objects such as ledges may not be detected by the system.

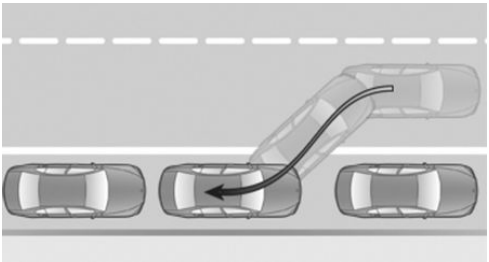
Assistance functions also take into account data of the PDC.

Follow instructions in the PDC chapter, refer to page 117.

The objects displayed in the Control Display under certain circumstances are closer than they appear. Therefore, do not estimate the distance from the objects on the display.

Parking assistant

The concept



This system assists the driver in parking parallel to the road.

Ultrasound sensors measure parking spaces on both sides of the vehicle.

The parking assistant calculates the best possible parking line and takes control of steering during the parking procedure.

When parking, also take note of the visual and acoustic information and instructions issued by the PDC, the parking assistant and the rearview camera and react accordingly.

A component of the parking assistant is the PDC Park Distance Control, refer to page 117.

Hints

⚠ Personal responsibility

Even an active system does not relieve the driver from personal responsibility for the driving process.

Because of technical system limits, the system cannot independently react appropriately in all traffic situations.

Continuously and attentively monitor the driving process, the area surrounding the vehicle and the traffic situation, and actively intervene when required, otherwise, there is a risk of an accident.◂

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Changes to the parking space

Changes to the parking space after it was measured are not taken into account by the system.

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Therefore, always be alert and ready to intervene; otherwise, there is the danger of an accident occurring.◀

Transporting loads

Loads that extend beyond the perimeter of the vehicle are not taken into account by the system during the parking procedure.

Therefore, always be alert and ready to intervene; otherwise, there is the danger of an accident occurring.◀

Curbs

The parking assistant may steer the vehicle over or onto curbs.

Therefore, always be alert and ready to intervene; otherwise, the wheels, tires, or the vehicle may become damaged.◀

An engine that has been switched off by the Auto Start Stop function is restarted automatically when the parking assistant is activated.

Requirements

For measuring parking spaces

- ▷ Maximum speed while driving forward approx. 22 mph/35 km/h.
- ▷ Maximum distance to row of parked vehicles: 5 ft/1.5 m.

Suitable parking space

- ▷ Gap between two objects with a minimum length of approx. 5 ft/1.5 m.
- ▷ Minimum length of the gap: own vehicle's length plus approx. 4 ft/1.2 m.
- ▷ Minimum depth: approx. 5 ft/1.5 m.

For parking procedure

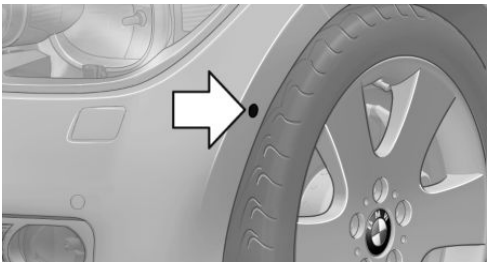
- ▷ Doors and trunk lid closed.
- ▷ Parking brake released.
- ▷ When parking in parking spaces on the driver's side, the corresponding turn signal must be set where applicable.

At a glance

Button in the vehicle

Parking assistant

Ultrasound sensors



The ultrasound sensors for measuring parking spaces are located on the wheel arches.

To ensure full operability:

- ▷ Keep the sensors clean and free of ice.
- ▷ When using high-pressure washers, do not spray the sensors for long periods and maintain a distance of at least 12 in/30 cm.

Switching on/off

Switching on with the button

Press the button.

The LED lights up.

The current status of the parking space search is indicated on the Control Display.

Parking assistant is activated automatically.

Switching on with the reverse gear

Shift into reverse.

The current status of the parking space search is indicated on the Control Display.

Activate: "Parking Assistant" Select the symbol in the Control Display.

Switching off

The system can be deactivated as follows:

▷ Press the button.

▷ Switch off the ignition.

Display on the Control Display

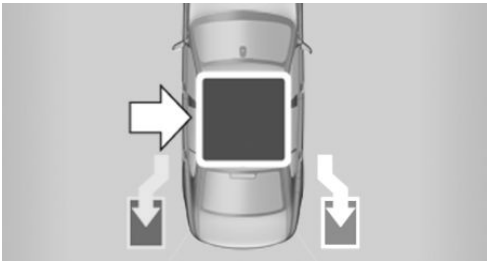
System activated/deactivated

Symbol	Meaning
	Gray: the system is not available. White: the system is available but not activated.
	The system is activated.

Status display

Depending on the appointment version, different views of the status display are shown and are described below as View 1, refer to page 124, or View 2, refer to page 125.

Status of the system, Display 1



The status is displayed with symbols.

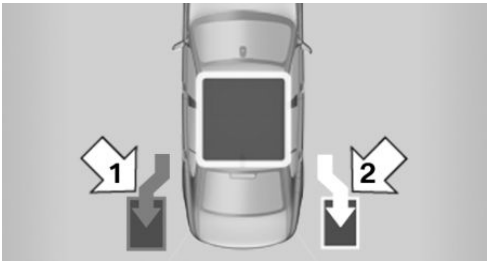
Gray: parking space search.

Blue: the system is activated. A suitable parking space was found.

The parking procedure is active.

Steering control has been seized.

Status of the parking space search



▷ Gray, arrow 1: parking space search.

▷ Blue, arrow 2: parking space is suitable.

The vehicle is parked in the parking space if the parking procedure is active.

▷ No display: no parking space search.

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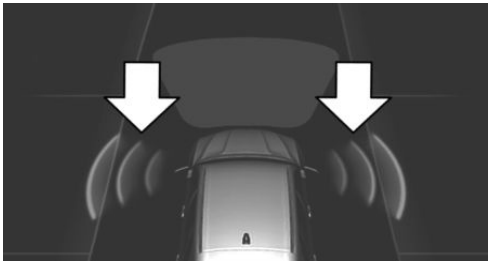
Status of the system, Display 2



- ▷ Colored symbols, see arrows, on the side of the vehicle representation. Parking assistant is activated and search for parking space active.
- ▷ Suitable parking spaces are displayed next to the vehicle symbol at the edge of the road as on the Control Display. When the parking assistant is active, suitable parking spaces are highlighted.
- ▷ The parking procedure is active. Steering control has been seized.
- ▷ Parking space search is always active whenever the vehicle is moving forwards slow and straight, even if the system is deactivated. When the system is deactivated, the displays on the Control Display are shown in gray.

Parking using the parking assistant

Check the traffic situation as well

Loud sounds outside and within the vehicle can drown out the signal tones of the parking assistant and PDC.

Check the traffic situation around the vehicle with your own eyes; otherwise, there is the danger of an accident.◂

1. Switch on the parking assistant and activate it if necessary.

   The status of the parking space search is indicated on the Control Display.

2. Follow the instructions on the Control Display.

   To achieve the best possible parking position, wait for the automatic steering wheel movement as required after the gear change when the vehicle is stationary.

   The end of the parking procedure is indicated on the Control Display.

3. Adjust the parking position yourself if necessary.

Interrupting manually

The parking assistant can be interrupted at any time:

- ▷ "Parking Assistant" Select the symbol on the Control Display.
- ▷ Press the button.

Interrupting automatically

The system is interrupted automatically in the following situations:

- ▷ If the driver grasps the steering wheel or if he takes over steering.
- ▷ If a gear is selected that does not match the instruction on the Control Display.
- ▷ If a turn signal is activated in the opposite direction to the desired side for parking.
- ▷ If the vehicle speed exceeds approx. 6 mph/10 km/h.
- ▷ On snow-covered or slippery road surfaces if necessary.
- ▷ When there are obstacles that are hard to overcome, such as curbs.
- ▷ When there are obstacles that suddenly arise.
- ▷ If a maximum number of parking attempts or the time taken for parking is exceeded.

A Check Control message is displayed.

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Continuing

An interrupted parking procedure can be continued if necessary.

Follow the instructions on the Control Display to do this.

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System limits

No parking assistance

The parking assistant does not offer assistance in the following situations:

- ▷ In tight curves.

Functional limitations

The system may not be fully functional in the following situations:

- ▷ On bumpy road surfaces such as gravel roads.
- ▷ On slippery ground.
- ▷ On steep uphill or downhill grades.
- ▷ When leaves or snow has collected in the parking space.

Limits of ultrasonic measurement

The detection of objects can reach the physical limits of ultrasonic measurement, e.g., in the following circumstances:

- ▷ For small children and animals.
- ▷ For persons with certain clothing, e.g. coats.
- ▷ If there is an external disturbance of the ultrasound, e.g. from passing vehicles or loud machines.
- ▷ When sensors are soiled, iced over or damaged.
- ▷ Under certain weather conditions, e.g., high relative humidity, rain, snowfall or strong wind.
- ▷ With tow bars and trailer hitches of other vehicles.
- ▷ With thin or wedge-shaped objects.
- ▷ With moving objects.
- ▷ With elevated, protruding objects such as ledges or cargo.
- ▷ With objects with corners and sharp edges.
- ▷ With objects with a fine surface structure, such as fences.
- ▷ For objects with porous surfaces.

Low objects already displayed, e.g., curbs, can move into the blind area of the sensors before or after a continuous tone sounds.

The parking assistant may identify parking spaces that are not suitable for parking.

Malfunction

A Check Control message is displayed.

The parking assistant failed. Have the system checked.

Climate control

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

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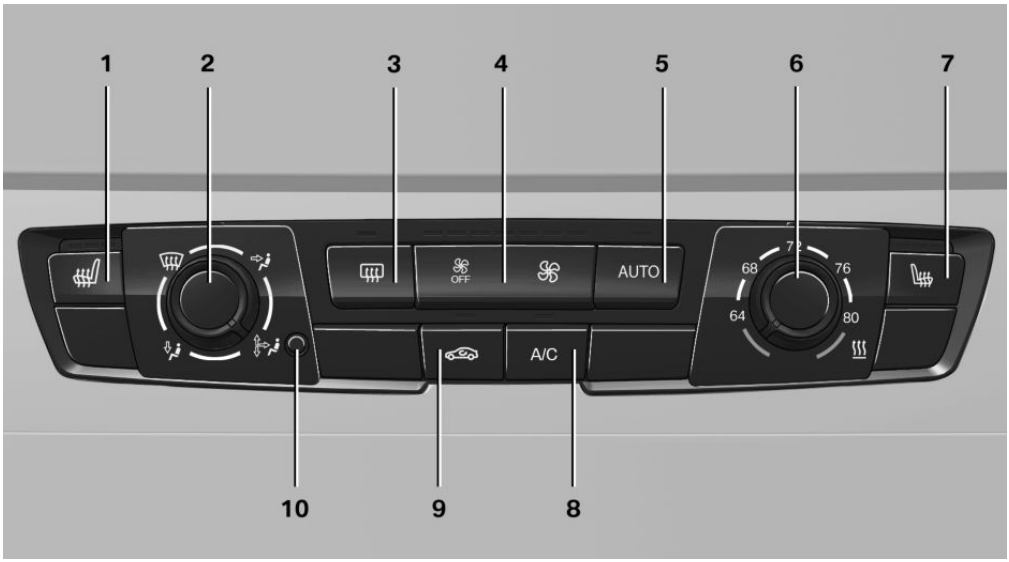
Automatic climate control



1 Seat heating, left 52
2 Vent settings
3 Rear window defroster
4 Air flow
5 AUTO program
6 Temperature
7 Seat heating, right 52
8 Cooling function
9 Recirculated-air mode
10 Interior temperature sensor

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Climate control functions in detail

Manual air distribution

Turn the wheel to select the desired program or the desired intermediate setting.

- ▷ Windows.
- ▷ Upper body region.
- ▷ Windows, upper body region, and footwell.
- ▷ Footwell.

Defrosting windows and removing condensation

Direct the air distribution toward windows, increase the air flow and temperature, and, if necessary, use the cooling function.

Rear window defroster

Press the button.

The rear window defroster switches off automatically after a certain period of time.

Air flow, manual

Press the left or right side of the button: decrease or increase air flow.

The air flow of the air conditioner may be reduced automatically to save battery power.

AUTO program

Press the button.

Air flow, air distribution, and temperature are controlled automatically.

Depending on the selected temperature and outside influences, the air is directed to the windshield, side windows, upper body, and into the footwell.

The cooling function, refer to page 128, is switched on automatically with the AUTO program.

Temperature

Turn the wheel to set the desired temperature.

The automatic climate control reaches this temperature as quickly as possible, if necessary by increasing the cooling or heating output, and then keeps it constant.

Avoid rapidly switching between different temperature settings. Otherwise, the automatic climate control will not have sufficient time to adjust the set temperature.

Cooling function

The passenger compartment can only be cooled with the engine running.

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Press the button.

The air is cooled and dehumidified and, depending on the temperature setting, warmed again.

Depending on the weather, the windshield may fog up briefly when the engine is started.

The cooling function is switched on automatically with the AUTO program.

When using the automatic climate control, condensation water, refer to page 150, develops that exits underneath the vehicle.

Recirculated-air mode

You can respond to unpleasant odors or pollutants in the immediate environment by temporarily suspending the supply of outside air. The system then recirculates the air currently within the vehicle.

Press the button repeatedly to select an operating mode:

- ▷ LED off: outside air flows in continuously.
- ▷ LED on, recirculated-air mode: the supply of outside air into the vehicle is permanently blocked.

If the windows fog over, switch off recirculated-air mode and increase the air flow, if necessary.

⚠ Continuous recirculated-air mode

The recirculated-air mode should not be used for an extended period of time, as the air quality inside the vehicle deteriorates steadily.◀

Switching the system on/off

Switching off

Press the left button for the minimum speed.

Switching on

Press any button except

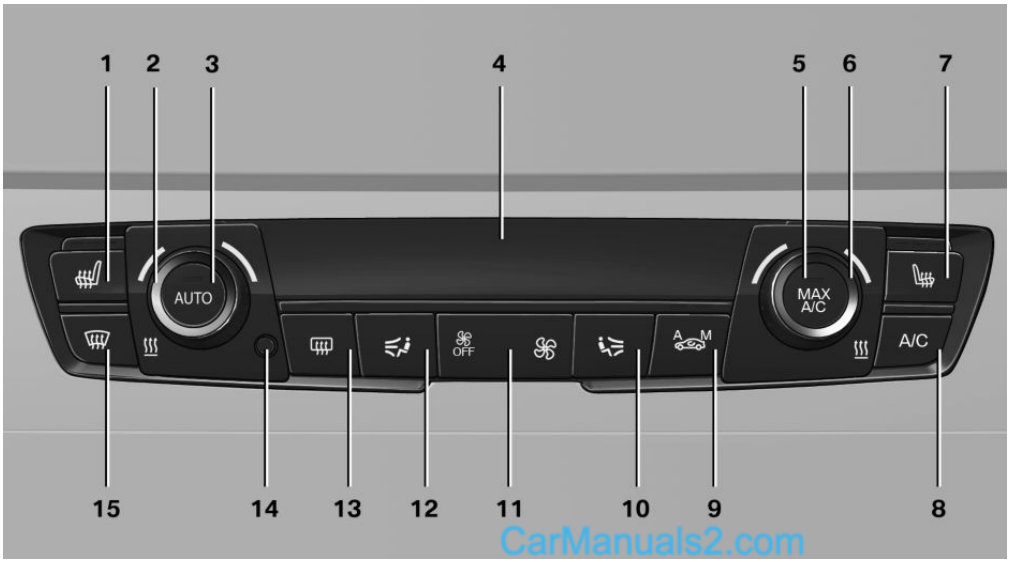
- ▷ Rear window defroster.
- ▷ Seat heating.

Microfilter

In external and recirculated air mode the microfilter filters dust and pollen out of the air.

This filter should be replaced during scheduled maintenance, refer to page 181, of your vehicle.

Automatic climate control with enhanced features



1 Seat heating, left 52
2 Temperature, left
3 AUTO program
4 Display

5 Maximum cooling
6 Temperature, right
7 Seat heating, right 52
8 Cooling function
9 Automatic recirculated-air control/recirculated-air mode
10 Air distribution, right
11 Air flow, AUTO intensity
12 Air distribution, left
13 Rear window defroster
14 Interior temperature sensor — always keep clear
15 Defrosting windows and removing condensation

Climate control functions in detail

Temperature

Turn the wheel to set the desired temperature.

The automatic climate control reaches this temperature as quickly as possible, if necessary by increasing the cooling or heating output, and then keeps it constant.

Avoid rapidly switching between different temperature settings. Otherwise, the automatic climate control will not have sufficient time to adjust the set temperature.

AUTO program

AUTO Press the button.

Air flow, air distribution, and temperature are controlled automatically.

Depending on the selected temperature, AUTO intensity program and outside influences, the air is directed to the windshield, side windows, upper body, and into the footwell.

The cooling function, refer to page 130, is switched on automatically with the AUTO program.

At the same time, a condensation sensor controls the program so as to prevent window condensation as much as possible.

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Intensity of the AUTO program

With the AUTO program switched on, automatic control of the air flow and air distribution can be adjusted.

OFF Press the left or right side of the button: decrease or increase the intensity.

The selected intensity is shown on the display of the automatic climate control.

Maximum cooling

MAX A/C Press the button.

The system is set to the lowest temperature, maximum air flow and air circulation mode.

Air flows out of the vents for the upper body region. The vents need to be open for this.

The function is available above an external temperature of approx. 32 °F/0 °C and with the engine running.

The air flow can be adjusted when the program is active.

Cooling function

The passenger compartment can only be cooled with the engine running.

A/C Press the button.

The air is cooled and dehumidified and, depending on the temperature setting, warmed again.

Depending on the weather, the windshield may fog up briefly when the engine is started.

The cooling function is switched on automatically with the AUTO program.

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When using the automatic climate control, condensation water, refer to page 150, develops that exits underneath the vehicle.

Automatic recirculated-air control/ recirculated-air mode

You can respond to unpleasant odors or pollutants in the immediate environment by temporarily suspending the supply of outside air. The system then recirculates the air currently within the vehicle.

Press the button repeatedly to select an operating mode:

- ▷ LEDs off: outside air flows in continuously.
- ▷ Left LED on, automatic recirculated-air control: a sensor detects pollutants in the outside air and controls the shutoff automatically.
- ▷ Right LED on, recirculated-air mode: the supply of outside air into the vehicle is permanently blocked.

If the windows are fogged over, switch off the recirculated-air mode and press the AUTO button to utilize the condensation sensor. Make sure that air can flow onto the windshield.

Continuous recirculated-air mode

The recirculated-air mode should not be used for an extended period of time, as the air quality inside the vehicle deteriorates steadily.◀

Manual air distribution

Press the button repeatedly to select a program:

- ▷ Upper body region.
- ▷ Upper body region and footwell.
- ▷ Footwell.
- ▷ Windows and footwell: driver's side only.
- ▷ Windows, upper body region and footwell: driver's side only.

If the windows are fogged over, press the AUTO button to utilize the condensation sensor.

Air flow, manual

To be able to manually adjust the air flow, switch off the AUTO program first.

Press the left or right side of the button: decrease or increase air flow.

The selected air flow is shown on the display of the automatic climate control.

The air flow of the automatic climate control may be reduced automatically to save battery power.

Rear window defroster

Press the button.

The rear window defroster switches off automatically after a certain period of time.

Defrosting windows and removing condensation

Press the button.

Ice and condensation are quickly removed from the windshield and the front side windows.

The air volume can be adjusted when the program is active.

If the windows are fogged over, you can also switch on the cooling function or press the AUTO button to utilize the condensation sensor.

Switching the system on/off

Switching off

Press the left button for the minimum speed.

Switching on

Press any button except

- ▷ Rear window defroster.
- ▷ Seat heating.

Microfilter/activated-charcoal filter

In external and recirculated air mode the microfilter/activated charcoal filter filters dust, pollen, and gaseous pollutants out of the air.

This filter should be replaced during scheduled maintenance, refer to page 181, of your vehicle.

Ventilation

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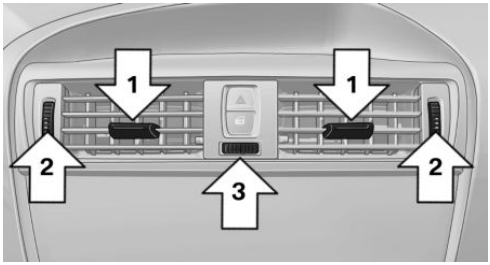
Front ventilation



- ▷ Lever for changing the air flow direction, arrow 1.
- ▷ Thumbwheels for opening and closing the vents continuously, arrows 2.
- ▷ Thumbwheel to vary the temperature, arrow 3.

  Toward blue: colder.

  Toward red: warmer.

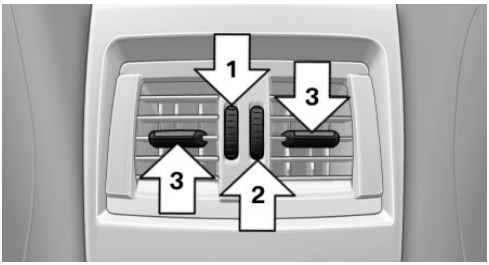
Adjusting the ventilation

- ▷ Ventilation for cooling:

  Adjust the vent to direct the air in your direction, such as if the vehicle interior is hot from the sun.
- ▷ Draft-free ventilation:

  Adjust the vent to let the air flow past you.

Ventilation in the rear



- ▷ Thumbwheel for continuous opening and closing of the vents, arrow 1.
- ▷ Thumbwheel to vary the temperature, arrow 2.

  Toward blue: colder.

  Toward red: warmer.
- ▷ Lever for changing the air flow direction, arrow 3.

Parked-car ventilation

The concept

The parked-car ventilation ventilates the vehicle interior and lowers its temperature, if necessary.

The system can be switched on and off at any external temperature, either directly or by using two preset switch-on times. It remains switched on for 30 minutes.

Open the vents to allow air to flow out.

Switching on/off directly

1. "Settings"
2. "Climate"
3. "Activate comf. ventilation"

The symbol on the automatic climate control flashes if the system is switched on.

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Preselecting the switch-on time

1. "Settings"
2. "Climate"
3. "Timer 1:" or "Timer 2:"
4. Set the desired time.

Activating the switch-on time

1. "Settings"
2. "Climate"
3. "Activate timer 1" or "Activate timer 2"

The symbol on the automatic climate control lights up when the switch-on time is activated.

The symbol on the automatic climate control flashes when the system has been switched on.

The system will only be switched on within the next 24 hours. After that, it needs to be reactivated.

Interior equipment

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Universal garage door opener

The concept

The universal garage door opener can operate up to 3 functions of remote-controlled systems such as garage door drives or lighting systems. The universal garage door opener replaces up to 3 different hand-held transmitters. To operate the remote control, the buttons on the interior rearview mirror must be programmed with the desired functions. The hand-held transmitter for the particular system is required in order to program the remote control.

During programming

During programming and before activating a device using the integrated universal remote control, ensure that there are no people, animals, or objects in the range of movement of the remote-controlled device; otherwise, there is a risk of injury or damage.

Also follow the safety instructions of the hand-held transmitter.◂

Before selling the vehicle, delete the stored functions for the sake of security.

Compatibility

If this symbol is printed on the packaging or in the instructions of the system to be controlled, the system is generally compatible with the universal garage door opener.

If you have any questions, please contact:

▷ Your service center.

▷ www.homelink.com on the Internet.

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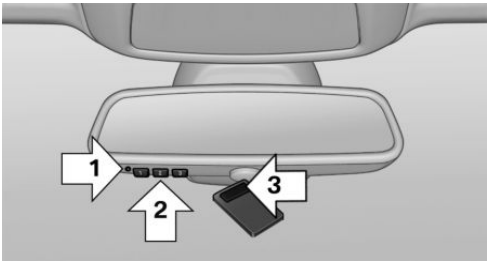
Controls on the interior rearview mirror



▷ LED, arrow 1.

▷ Buttons, arrow 2.

▷ The hand-held transmitter, arrow 3, is required for programming.

Programming

General information

1. Switch on the ignition.
2. Initial setup:

   Press and hold the left and right button on the interior rearview mirror simultaneously for approximately 20 seconds until the LED on the interior rearview mirror flashes. This erases all programming of the buttons on the interior rearview mirror.

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3. Hold the hand-held transmitter for the system to be controlled approx. 1 to 3 in/2.5 to 8 cm away from the buttons on the interior

rearview mirror. The required distance depends on the manual transmitter.

4. Simultaneously press and hold the button of the desired function on the hand-held transmitter and the button to be programmed on the interior rearview mirror. The LED on the interior rearview mirror will begin flashing slowly.
5. Release both buttons as soon as the LED flashes more rapidly. When the LED is flashing faster, this indicates that the button on the interior rearview mirror has been programmed.

   If the LED does not flash faster after at least 60 seconds, change the distance between the interior rearview mirror and the hand-held transmitter and repeat the step. Several more attempts at different distances may be necessary. Wait at least 15 seconds between attempts.

   Canada: if programming with the hand-held transmitter was interrupted, hold down the interior rearview mirror button and repeatedly press and release the hand-held transmitter button for 2 seconds.
6. To program other functions on other buttons, repeat steps 3 to 5.

The systems can be controlled using the interior rearview mirror buttons.

Special feature of the alternating-code wireless system

If you are unable to operate the system after repeated programming, please check if the system to be controlled features an alternating-code system.

Read the system's operating manual, or press the programmed button on the interior rearview mirror longer. If the LED on the interior rearview mirror starts flashing rapidly and then stays lit constantly for 2 seconds, the system features an alternating-code system. Flashing and continuous illumination of the LED will repeat for approximately 20 seconds.

For systems with an alternating-code system, the universal garage door opener and the system also have to be synchronized.

Please read the operating manual of the system being set up for information on how to synchronize the system.

Synchronizing is easier with the aid of a second person.

To synchronize:

1. Park the vehicle within range of the remote-controlled system.
2. Program the relevant button on the interior rearview mirror as described.
3. Locate and press the synchronizing button on the system being programmed. You have approx. 30 seconds for the next step.
4. Hold down the programmed button on the interior rearview mirror for approximately 3 seconds and then release it. If necessary, repeat this work step up to three times in order to finish synchronization. Once synchronization is complete, the programmed function will be carried out.

Reprogramming individual buttons

1. Switch on the ignition.
2. Press and hold the interior rearview mirror button to be programmed.
3. As soon as the interior rearview mirror LED starts flashing slowly, hold the hand-held transmitter for the system to be controlled approx. 1 to 3 in/2.5 to 8 cm away from the buttons on the interior rearview mirror. The required distance depends on the manual transmitter.
4. Likewise, press and hold the button of the desired function on the hand-held transmitter.
5. Release both buttons as soon as the interior rearview mirror LED flashes more rapidly. When the LED is flashing faster, this

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indicates that the button on the interior rearview mirror has been programmed. The system can then be controlled by the button on the interior rearview mirror.

If the LED does not flash faster after at least 60 seconds, change the distance and repeat the step. Several more attempts at different distances may be necessary. Wait at least 15 seconds between attempts.

Canada: if programming with the hand-held transmitter was interrupted, hold down the interior rearview mirror button and repeatedly press and release the hand-held transmitter button for 2 seconds.

Controls

Before operation

Before operating a system using the integrated universal remote control, ensure that there are no people, animals, or objects within the range of movement of the remote-controlled system; otherwise, there is a risk of injury or damage.

Also follow the safety instructions of the hand-held transmitter.◂

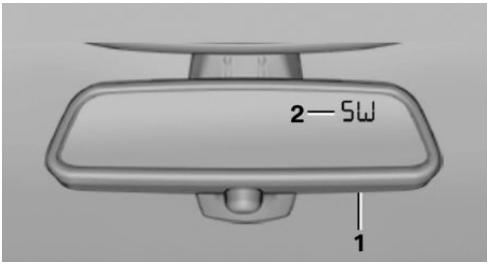
The system, such as the garage door, can be operated using the button on the interior rear-view mirror while the engine is running or when the ignition is started. To do this, hold down the button within receiving range of the system until the function is activated. The interior rear-view mirror LED stays lit while the wireless signal is being transmitted.

Deleting stored functions

Press and hold the left and right button on the interior rearview mirror simultaneously for approximately 20 seconds until the LED flashes rapidly. All stored functions are deleted. The functions cannot be deleted individually.

Digital compass

At a glance



1 Control button

2 Mirror display

Mirror display

The point of the compass is displayed in the mirror when driving straight.

Operating concept

Various functions can be called up by pressing the control button with a pointed object, such as the tip of a ballpoint pen or similar object. The following setting options are displayed in succession, depending on how long the control button is pressed:

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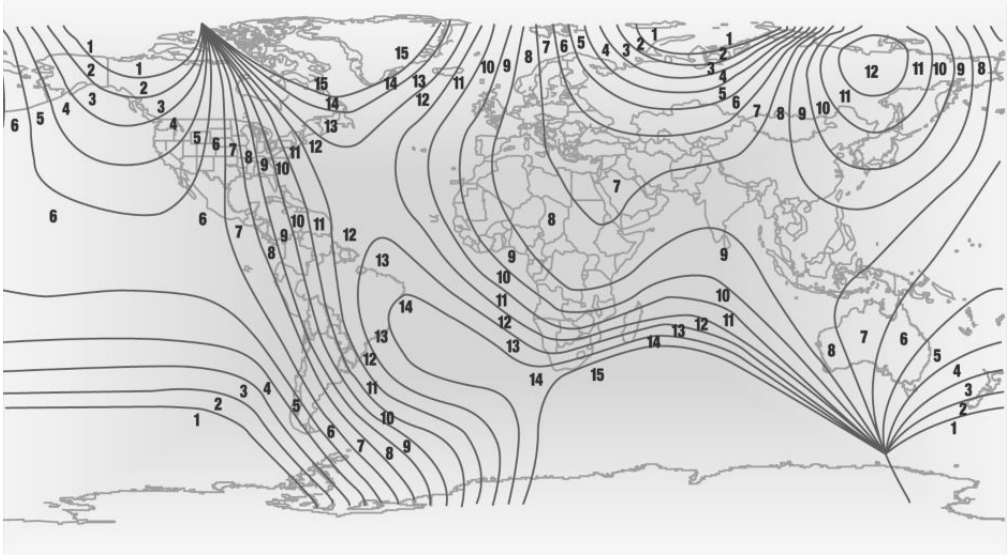
- ▷ Pressed briefly: turns display on/off.
- ▷ 3 to 6 seconds: compass zone setting.
- ▷ 6 to 9 seconds: compass calibration.
- ▷ 9 to 12 seconds: left/right-hand steering setting.
- ▷ 12 to 15 seconds: language setting.

Setting the compass zones

Sets the particular compass zones on the vehicle so that the compass operates correctly; refer to World map with compass zones.

World map with magnetic zones



Procedure

1. Press and hold the control button for approx. 3 to 4 seconds. The number of the set compass zone appears in the mirror.
2. To change the zone setting, press the control button quickly and repeatedly until the number of the compass zone corresponding to your location appears in the mirror.

The set zone is stored automatically. The compass is ready for use again after approximately 10 seconds.

Calibrating the digital compass

The digital compass must be calibrated in the event of the following:

- ▷ The wrong point of the compass is displayed.
- ▷ The point of the compass displayed does not change despite changing the direction of travel.
- ▷ Not all points of the compass are displayed.

Procedure

1. Make sure that there are no large metallic objects or overhead power lines near the vehicle and that there is sufficient room to drive around in a circle.
2. Set the currently applicable compass zone.
3. Press and hold the control button for approx. 6 to 7 seconds so that "C" appears on the display. Next, drive in a complete circle at least once at a speed of no more than 4 mph/7 km/h. If calibration is successful, the "C" is replaced by the points of the compass.

Left/right-hand steering

The digital compass is already set for right or left-hand steering at the factory.

Setting the language

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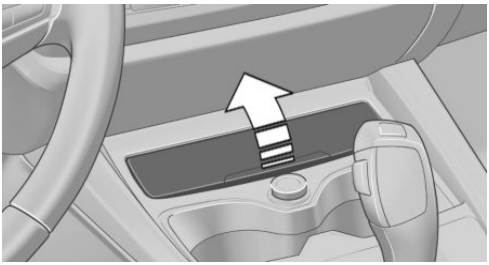
Press and hold the control button for approx. 12 to 13 seconds. Briefly press the control button again to switch between English "E" and German "O".

The setting is stored automatically after approximately 10 seconds.

Ashtray/cigarette lighter

Ashtray

Opening



Raise cover.

Emptying

Take out the insert.

Lighter

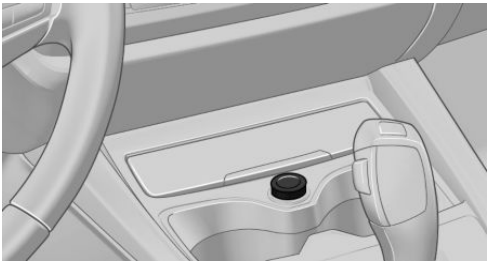
Danger of burns

Only hold the hot lighter by its knob; otherwise, there is the danger of getting burned.

Switch off the ignition and take the remote control with you when leaving the vehicle so that children cannot use the lighter and burn themselves.◄

Replace the cover after use

Reinsert the lighter or socket cover after use, otherwise objects may get into the lighter socket or fixture and cause a short circuit.◄



The cigarette lighter is located in the center console.

Push in the lighter.

The lighter can be removed as soon as it pops back out.

Connecting electrical devices

Hints

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Do not plug chargers into the socket

Do not connect battery chargers to the factory-installed sockets in the vehicle as this may damage the battery.◄

Replace the cover after use

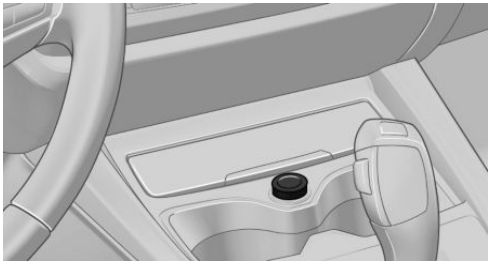
Reinsert the lighter or socket cover after use, otherwise objects may get into the lighter socket or fixture and cause a short circuit.◄

Sockets

The lighter socket can be used as a socket for electrical equipment while the engine is running or when the ignition is switched on. The total load of all sockets must not exceed 140 watts at 12 volts.

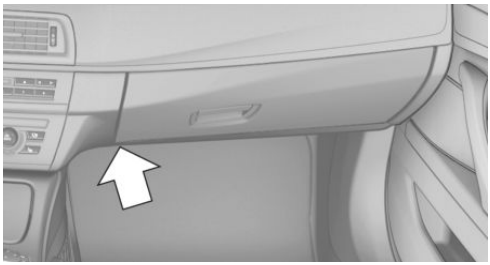
Do not damage the socket by using unsuitable connectors.

Front center console



Remove the cover or cigarette lighter.

In the front passenger footwell

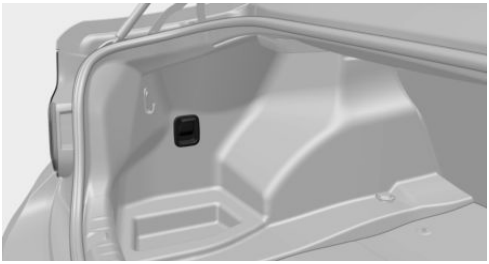


The socket is located below the glove compartment.

Rear center console

Remove the cover.

In the cargo area



The socket is located on the left side in the cargo area.

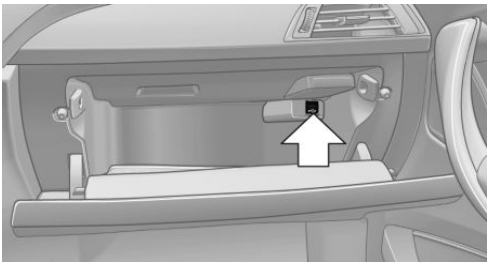
USB interface for data transfer

The concept

Connection for importing and exporting data on USB devices, e.g.:

- ▷ Personal Profile settings, refer to page 36.
- ▷ Music collection.
- ▷ Importing Trips.

Without Professional navigation system or TV: at a glance



The USB interface is located in the glove compartment.

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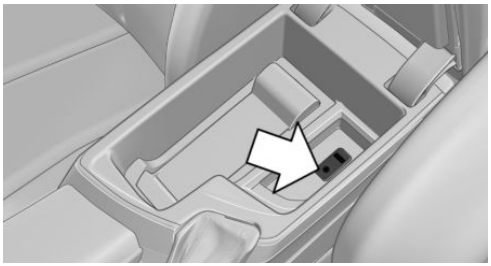
With Professional navigation system or TV: at a glance



The USB interface is located in the center armrest.

Notes

Observe the following when connecting:

- ▷ Do not use force when plugging the connector into the USB interface.
- ▷ Do not connect devices such as fans or lamps to the USB interface.
- ▷ Do not connect USB hard drives.
- ▷ Do not use the USB interface to recharge external devices.

Through-loading system

The concept

The cargo area can be enlarged by folding down the rear seat backrest.

The rear seat backrest is divided into two parts at a ratio of 60 to 40.

If equipped with through-loading system: the rear seat backrest is divided in the ratio 40–20–40.

The sides can be folded down separately or together.

Hints

⚠ Danger of pinching

Before folding down the rear seat backrests, ensure that the area of movement of the backrests is clear. In particular, ensure that no one is located in or reaches into the area of movement of the rear seat backrests when the middle section is folded down. Otherwise, injury or damage may result.◀

⚠ Lock the rear seat backrests in position

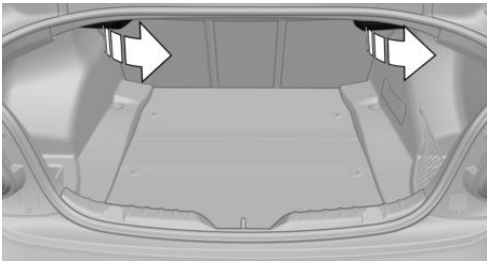
Before installation of child restraint systems on the rear seat backrest, set a backrest tilt at which the childseat rests firmly against the backrest and securely latch all backrests. Otherwise, the stability of the child seat is limited, and there is an increased risk of injury because of unexpected movement of the rear seat backrest.◀

⚠ Retract the head restraint if necessary before backrest is folded down

With folding head restraints, fold in the head restraints before folding down the backrests, or damage may result.◀

Opening

1. Pull the corresponding lever in the cargo area to release the rear seat backrest.



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2. The unlocked backrest moves forward slightly.

3. Fold backrest forward.

Closing

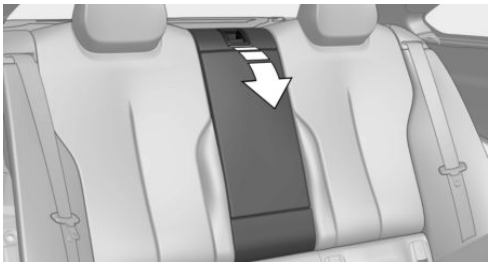
Return the rear seat backrest to the upright seating position and engage it.

Ensure that the lock is securely engaged

Make sure that the lock engages properly when folding back, otherwise transported cargo could enter the passenger compartment during braking or evasive maneuvers and endanger the vehicle occupants.◀

To secure cargo, refer to page 152, with nets or draw straps, the cargo area is fitted with lashing eyes.

Folding down the middle section



Reach into the recess and pull the middle section forward.

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Storage compartments

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Notes

No loose objects in the passenger compartment

Do not stow any objects in the passenger compartment without securing them; otherwise, they may present a danger to occupants for instance during braking and avoidance maneuvers.◀

Do not place anti-slip mats on the dashboard

Do not place anti-slip mats on the dashboard. The mat materials could damage the dashboard.◀

Storage compartments

The following storage compartments are available in the vehicle interior:

- ▷ Without Smoker's package: large storage compartment in the center console in front of the cupholders.
- ▷ Glove compartment on the driver's side, refer to page 143.
- ▷ Glove compartment on the front passenger side, refer to page 142.
- ▷ Front storage compartment, refer to page 143
- ▷ Storage compartment in the front center armrest, refer to page 143.
- ▷ Compartments in the doors, refer to page 143.
- ▷ Nets on the backrests of the front seats.
- ▷ Storage compartment in the rear center console, refer to page 143.
- ▷ Storage compartment between the rear seats, refer to page 144.

Glove compartment

Front passenger side

Note

Close the glove compartment again immediately

Close the glove compartment immediately after use while driving; otherwise, injury may occur during accidents.◀

Opening

Pull the handle.

The light in the glove compartment switches on.

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Closing

Fold cover closed.

Locking

The glove compartment can be locked with an integrated key to separately secure the trunk lid, refer to page 41 for example.

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This prevents access to the glove compartment and to the cargo area.

After the glove compartment is locked, the remote control can be handed over, such as at a hotel, without the integrated key.

Driver's side

Note

Close the glove compartment again immediately

Close the glove compartment immediately after use while driving; otherwise, injury may occur during accidents.◀

Opening

Pull the handle.

Closing

Fold cover closed.

Compartments in the doors

Do not stow any breakable objects

Do not store any breakable objects, e. g. glass bottles, in the compartments, or there is an increased risk of injury in the event of an accident.◀

Front storage compartment

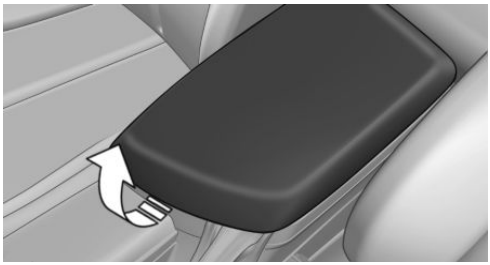
There is a storage compartment between the front seats. Raise the lid to open it.

Center armrest

Front

A storage compartment is located in the center armrest between the front seats.

Opening



Fold the center armrest up.

Repositioning

Center armrest can be pushed forwards or backwards. It engages in the end positions.

Connection for an external audio device

.

Storage compartment in the rear

Storage compartment is located in the rear center console.

Storage compartment between the rear seats

There is a storage compartment between the rear seats.

Cupholders

Hints

Shatter-proof containers and no hot drinks

Use light and shatter-proof containers and do not transport hot drinks. Otherwise, there is the increased danger of injury in an accident.◀

Unsuitable containers

Do not forcefully push unsuitable containers into the cupholders. This may result in damage.◀

Front

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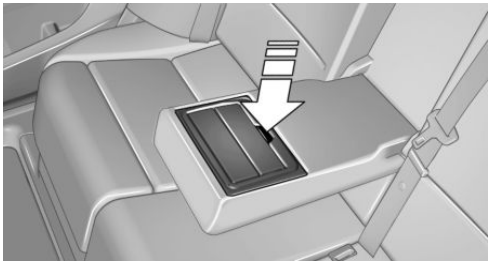
Inserts for front cupholders

Use inserts for the drink holders as additional storage compartments. To do this, place the inserts in the cupholders.

Only use the inserts for small objects such as keys or the remote control.

Rear

In the center armrest.



Pull the center armrest forward at the strap.

To open: press the button.

To close: push both covers back in, one after the other.

Pushing back the covers

Push back the covers before folding up the center armrest; otherwise, the cupholder could become damaged.◀

Clothes hooks

The clothes hooks are located in the rear.

Do not obstruct view

When suspending clothing from the hooks, ensure that it will not obstruct the driver's vision.◀

No heavy objects

Do not hang heavy objects from the hooks; otherwise, they may present a danger to passengers during braking and evasive maneuvers.◀

Storage compartments in the cargo area

Storage compartment

A storage compartment is located on the left side.

Located on the right side is a storage compartment for the first aid kit, refer to page 194.

Net for storage compartment

Smaller objects can be stored in the net of right storage compartment.

Hooks/multi-function hook

A multi-function hook is located on each side of the cargo area. The multi-function hooks can be loaded up to a max. of 8.8 lbs/4 kg.

Light and suitable objects only

Only hang light bags or suitable objects from the holders. Otherwise, there is a danger of objects flying about during braking and evasive maneuvers.

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Only transport heavy luggage in the trunk if it has been appropriately secured.◀

Retaining strap

A retaining strap is available on the right side trim for fastening small objects.

Lashing eyes in the cargo area

To secure the cargo, refer to page 152, there are two or four lashing eyes in the cargo area.

Floor net

The floor net can also be used to Secure the load, refer to page 152, and to store small parts.

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Driving tips

This chapter provides you with information useful in dealing with specific driving and operating modes.

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Things to remember when driving

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Breaking-in period

General information

Moving parts need to be broken in to adjust to each other.

The following instructions will help achieve a long vehicle life and good economy.

Engine and differential

Always obey the official speed limit.

Up to 1,200 miles/2,000 km

Do not exceed the maximum engine and road speed:

▷ For gasoline engine 4,500 rpm and 100 mph/160 km/h.

Avoid full load or kickdown under all circumstances.

From 1,200 miles/2,000 km

The engine and vehicle speed can gradually be increased.

Tires

Due to technical factors associated with their manufacture, tires do not achieve their full traction potential until after an initial breaking-in period.

Drive conservatively for the first 200 miles/300 km.

Brake system

Brakes require an initial break-in period of approx. 300 miles/500 km to achieve optimized contact and wear patterns between brake discs and brake pads. Drive moderately during this break-in period.

Clutch

The function of the clutch reaches its optimal level only after a distance driven of approx. 300 miles/500 km. During this break-in period, engage the clutch gently.

Following part replacement

The same breaking in procedures should be observed if any of the components mentioned above have to be renewed in the course of the vehicle's operating life.

General driving notes

Closing the trunk lid

⚠ Drive with the trunk lid closed

Only drive with the tailgate closed; otherwise, in the event of an accident or braking and evasive maneuvers, passengers and other road users may be injured, and the vehicle may be damaged. In addition, exhaust fumes may enter the passenger compartment.◀

If driving with the tailgate open cannot be avoided:

▷ Close all windows and the glass sunroof.

▷ Greatly increase the blower speed.

▷ Drive moderately.

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Hot exhaust system

Hot exhaust system

High temperatures are generated in the exhaust system.

Do not remove the heat shields installed and never apply undercoating to them. Make sure that flammable materials, e. g. hay, leaves, grass, etc. do not come in contact with the hot exhaust system during driving, while in idle position mode, or when parked. Such contact could lead to a fire, and with it the risk of serious personal injury as well as property damage.

Do not touch hot exhaust pipes; otherwise, there is the danger of getting burned.◀

Mobile communication devices in the vehicle

Mobile communication devices in the vehicle

It is advised that you do not use mobile communication devices, e.g., mobile phones, inside the vehicle without connecting them directly to the external antenna. Otherwise, the vehicle electronics and mobile communication devices can interfere with each other. In addition, there is no assurance that the radiation generated during transmission will be discharged from the vehicle interior.◀

Hydroplaning

On wet or slushy roads, a wedge of water can form between the tires and road surface.

This phenomenon is referred to as hydroplaning. It is characterized by a partial or complete loss of contact between the tires and the road surface, ultimately undermining your ability to steer and brake the vehicle.

Hydroplaning

When driving on wet or slushy roads, reduce your speed to prevent hydroplaning.◀

Driving through water

Drive through calm water only and only if it is not deeper than. 9.8 inches/25 cm and at this height, no faster than walking speed, up to 6 mph/10 km/h.

Adhere to water depth and speed limitations

Do not exceed this water depth and walking speed; otherwise, the vehicle's engine, the electrical systems and the transmission may be damaged.◀

Braking safely

Your vehicle is equipped with ABS as a standard feature.

Applying the brakes fully is the most effective way of braking in situations when this is necessary.

The vehicle maintains steering responsiveness. You can still avoid any obstacles with a minimum of steering effort.

Pulsation of the brake pedal and sounds from the hydraulic circuits indicate that ABS is in its active mode.

Objects within the range of movement of the pedals

No objects in the area around the pedals

Keep floor mats, carpets, and any other objects out of the area of motion of the pedals; otherwise, the function of the pedals could be impeded while driving and create the risk of an accident.

Do not place additional floor mats over existing mats or other objects.

Only use floor mats that have been approved for the vehicle and can be properly fixed in place.

Ensure that the floor mats are securely fastened again after they were removed for cleaning, for example.◀

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Driving in wet conditions

When roads are wet coated with road salt or there is heavy rain, briefly exert gentle pressure on the brake pedal every few miles.

Ensure that this action does not endanger other road users.

The heat generated in this process helps dry the brake discs and pads.

In this way braking efficiency will be available when you need it.

Hills

Drive long or steep downhill gradients in the gear in which the least braking is required. Otherwise, the brake system may overheat, resulting in a reduction in the brake system efficiency.

You can increase the engine's braking effect by shifting down, going all the way to first gear, if necessary.

Avoid load on the brakes

Avoid placing excessive load on the brake system. Light but consistent brake pressure can lead to high temperatures, brake wear and possibly even brake failure.◀

Do not drive in neutral

Do not drive in neutral or with the engine stopped, as doing so disables engine braking. In addition, steering and brake assist are unavailable with the engine stopped.◀

Brake disc corrosion

The corrosion on the brake discs and the contamination on the brake pads are furthered by:

- ▷ Low mileage.
- ▷ Extended periods when the vehicle is not used at all.
- ▷ Infrequent use of the brakes.

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Corrosion occurs when the minimum pressure that must be exerted by the pads during brake applications to clean the discs is not reached.

Should corrosion form on the brake discs, the brakes will tend to respond with a pulsating effect that generally cannot be corrected.

Condensation under the parked vehicle

When using the automatic climate control, condensation water develops that exits underneath the vehicle.

Traces of water under the vehicle like this are normal.

Loading

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Hints

Overloading the vehicle

To avoid exceeding the approved carrying capacity of the tires, never overload the vehicle. Overloading can lead to overheating and increases the rate at which damage develops inside the tires. This could result in a sudden loss of tire inflation pressure.◀

No fluids in the trunk

Make sure that fluids do not leak into the trunk; otherwise, the vehicle may be damaged.◀

Securing cargo

Always position and secure the cargo as described above; otherwise, it can endanger the car's occupants if sudden braking or swerving becomes necessary.

Heavy or hard objects should not be carried loose inside the car; otherwise, they could be thrown around as a result of hard braking, sudden swerves, etc., and endanger the occupants.◀

Determining the load limit

1. Locate the following statement on your vehicle's placard:

   ▷ The combined weight of occupants and cargo should never exceed XXX kg or YYY lbs. Otherwise, damage to the vehicle and unstable driving situations may result.

2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX kilograms or YYY pounds.
4. The resulting figure equals the available amount of cargo and luggage load capacity.

   For example, if the YYY amount equals 1,000 lbs and there will be four 150 lbs passengers in your vehicle, the amount of available cargo and luggage load capacity is 400 lbs: 1,000 lbs minus 600 lbs = 400 lbs.
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

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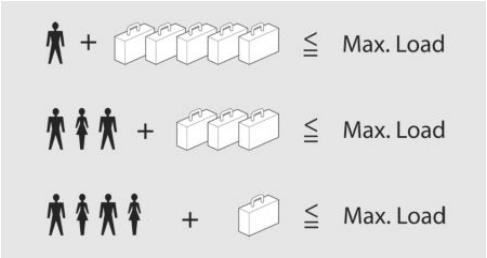
Load



The maximum load is the sum of the weight of the occupants and the cargo.

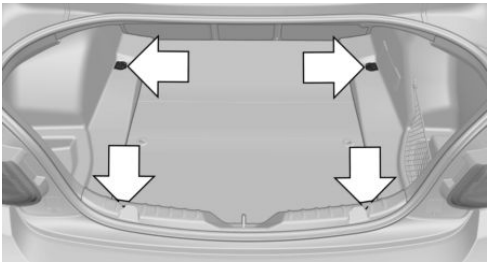
The greater the weight of the occupants, the less cargo that can be transported.

Stowing cargo

- ▷ Cover sharp edges and corners on the cargo.
- ▷ Heavy cargo: stow as far forward as possible, directly behind and at the bottom of the rear passenger seat backrests.
- ▷ Very heavy cargo: when the rear seat is not occupied, secure each of the outer safety belts in the opposite buckle.
- ▷ If necessary, fold down the rear backrests to stow cargo.
- ▷ Do not stack cargo above the top edge of the backrests.

Securing cargo

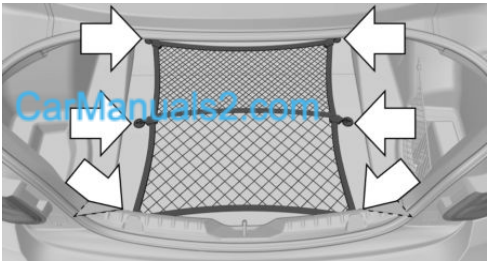
Lashing eyes in the cargo area



To secure the cargo there are two or four lashing eyes in the cargo area.

Floor net

The floor net can also be used to Secure the load and to store small parts.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Hook the floor net into the fittings in the cargo area floor.

Securing cargo

- ▷ Smaller and lighter items: secure with retaining straps or draw straps.
- ▷ Larger and heavy objects: secure with cargo straps.

Attach the cargo straps, retaining straps or draw straps to the lashing eyes in the cargo area.

Securing cargo

Always position and secure the cargo as described above; otherwise, it can endanger the car's occupants if sudden braking or swerving becomes necessary.

Heavy or hard objects should not be carried loose inside the car; otherwise, they could be thrown around as a result of hard braking, sudden swerves, etc., and endanger the occupants.◀

Roof-mounted luggage rack

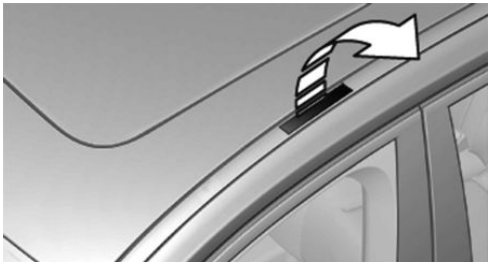
Note

Roof racks are available as special accessories.

Securing

Follow the installation instructions of the roof rack.

Roof drip rail with flaps



The anchorage points are located in the roof drip rail above the doors.

Fold the cover outward.

Loading

Be sure that adequate clearance is maintained for tilting and opening the glass sunroof.

Because roof racks raise the vehicle's center of gravity when loaded, they have a major effect on vehicle handling and steering response.

Therefore, note the following when loading and driving:

- ▷ Do not exceed the approved roof/axle loads and the approved gross vehicle weight.
- ▷ Distribute the roof load uniformly.
- ▷ The roof load should not be too large in area.
- ▷ Always place the heaviest pieces on the bottom.
- ▷ Secure the roof luggage firmly, e.g., tie with ratchet straps.
- ▷ Do not let objects project into the opening path of the trunk lid.
- ▷ Drive cautiously and avoid sudden acceleration and braking maneuvers. Take corners gently.

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Saving fuel

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

General information

Your vehicle contains advanced technology for the reduction of fuel consumption and emissions.

Fuel consumption depends on a number of different factors.

The implementation of certain measures, driving style and regular maintenance can have an influence on fuel consumption and on the environmental impact.

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Remove unnecessary cargo

Additional weight increases fuel consumption.

Remove attached parts following use

Remove auxiliary mirrors, roof or rear luggage racks which are no longer required following use.

Attached parts on the vehicle impair the aerodynamics and increase the fuel consumption.

Close the windows and glass sunroof

Driving with the glass sunroof and windows open results in increased air resistance and thereby reduces the range.

Tires

General information

Tires can affect fuel consumption values in various ways, for instance fuel consumption can be influenced by the size of the tires.

Check the tire inflation pressure regularly

Check and, if necessary, correct the tire inflation pressure at least twice a month and before starting on a long trip.

Low tire inflation pressure increases rolling resistance and thus raises fuel consumption and tire wear.

Drive away immediately

Do not wait for the engine to warm-up while the vehicle remains stationary. Start driving right away, but at moderate engine speeds.

This is the fastest way for the cold engine to reach its operating temperature.

Look well ahead when driving

Avoid unnecessary acceleration and braking.

By maintaining a suitable distance to the vehicle driving ahead of you.

Driving smoothly and looking ahead reduces fuel consumption.

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Avoid high engine speeds

Use 1st gear to get the vehicle in motion. Beginning with 2nd gear, accelerate rapidly. When accelerating, shift up before reaching high engine speeds.

When you reach the desired speed, shift into the highest applicable gear and drive with the engine speed as low as possible and at a constant speed.

As a rule: driving at low engine speeds lowers fuel consumption and reduces wear.

The gear shift indicator of your vehicle indicates the most fuel efficient gear.

Use coasting

When approaching a red light, take your foot off the accelerator and let the vehicle coast to a halt.

On a downhill gradient, take your foot off the accelerator and let the vehicle roll.

The flow of fuel is interrupted while coasting.

Switch off the engine during longer stops

Switch off the engine during longer stops, e.g., at traffic lights, railroad crossings or in traffic congestion.

Auto Start/Stop function

The Auto Start/Stop function of your vehicle automatically switches off the engine during a stop.

If the engine is switched off and then restarted rather than leaving the engine running constantly, fuel consumption and emissions are reduced. Savings can begin within a few seconds of switching off the engine.

Using this system can cause certain components of the vehicle to become worn prematurely.

In addition, fuel consumption is also determined by other factors, such as driving style, road conditions, maintenance or environmental factors.

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Switch off any functions that are not currently needed

Functions such as seat heating and the rear window defroster require a lot of energy and reduce the range, especially in city and stop-and-go traffic.

Therefore, switch off these functions if they are not actually needed.

The ECO PRO driving program supports the energy conserving use of comfort functions. These functions are automatically deactivated partially or completely.

Have maintenance carried out

Have vehicles maintained regularly to achieve optimal vehicle economy and operating life. The maintenance should be carried out by your service center.

Also note the BMW Maintenance System, refer to page 181.

ECO PRO

The concept

ECO PRO supports a driving style that saves on fuel consumption. For this purpose, the engine control and comfort functions, e. g. the climate control output, are adjusted.

In addition, context-sensitive instructions can be displayed that assist in driving in a manner that optimizes fuel consumption.

In the instrument display, the extension of the range achieved by this can be displayed as a bonus range.

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At a glance

The system includes the following EfficientDynamics functions and displays:

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- ▷ ECO PRO bonus range, refer to page 156.
- ▷ ECO PRO tips driving instruction, refer to page 157
- ▷ ECO PRO climate control, refer to page 156.

Activate ECO PRO

Press button repeatedly until ECO PRO is displayed in the instrument cluster.

Configuring ECO PRO

Via the Driving Dynamics Control

1. Activate ECO PRO.
2. "Configure ECO PRO"
3. Configure the program.

Via the iDrive

1. "Settings"
2. "ECO PRO mode"

Or

1. "Settings"
2. "Driving mode"
3. "Configure ECO PRO"

Configure the program.

ECO PRO Tip

- ▷ "Tip at:":

  Set ECO Pro speed at which an ECO PRO Tip is to be displayed.
- ▷ "ECO PRO speed warning":

  A reminder is displayed if the set ECO PRO speed is exceeded.

ECO PRO climate control

"ECO PRO climate control"

The climate control is adjusted to be fuel-efficient.

By making a slight change to the set temperature, or slowly adjusting the rate of heating or cooling of the passenger compartment, fuel consumption can be economized.

The outputs of the seat heater and the exterior mirror heating are also reduced.

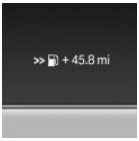
The exterior mirror heating is made available when outside temperatures are very cold.

ECO PRO potential

The percentage of potential savings that can be achieved with the current configuration is displayed.

Display in the instrument cluster

ECO PRO bonus range



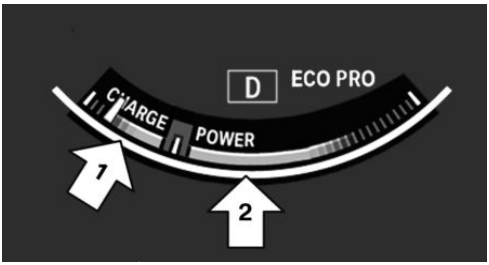
An extension of the range can be achieved by an adjusted driving style.

This may be displayed as the bonus range in the instrument cluster.

The bonus range is shown in the range display.

The bonus range is automatically reset every time the vehicle is refueled.

Driving style



In the tachometer, a mark in the bar display indicates the current efficiency of the driving style.

Mark in the CHARGE area, arrow 1: display for energy recovered by coasting or when braking.

Mark in the POWER area, arrow 2: display when accelerating.

The efficiency of the driving style is shown by the color of the bar:

- ▷ Blue display: efficient driving style as long as the mark moves within the blue range.
- ▷ Gray display: adjust driving style, e. g. by backing off the accelerator pedal.

The display switches to blue as soon as all conditions for fuel-economy-optimized driving are met.

ECO PRO Tip - driving instruction

The arrow indicates that the driving style can be adjusted to be more fuel efficient by backing off the accelerator for instance.

Note

The driving style display and ECO PRO tips in the instrument cluster appear when the ECO PRO display is activated.

Activating driving style and ECO PRO tips:

1. "Settings"
2. "Info display"
3. "ECO PRO Info"

ECO PRO tip - Symbols

An additional symbol and a text instruction are displayed.

Symbol	Measure
	For efficient driving style, back off the accelerator or delay accelerating to allow time to assess road conditions.
km/h	Reduce speed to the selected ECO PRO speed.
D	Automatic transmission: switch from M/S to D and avoid manual shift interventions.
	Manual shift transmission: follow shifting instructions.
N	Manual shift transmission: engage neutral for engine stop.

Indications on the Control Display

EfficientDynamics

Information on fuel consumption and technology can be displayed during driving.

1. "Vehicle Info"
2. "EfficientDynamics"

Displaying fuel consumption history

The average fuel consumption can be displayed within an adjustable time frame.

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Vertical bars show consumption for the selected time frame.

Trip interruptions are represented below the bar on the time axis.

"Consumption history"

Adjusting fuel consumption history time frame

Select the symbol.

Resetting fuel consumption history

1. Open "Options".
2. "Reset consumption history"

Displaying EfficientDynamics info

The current efficiency can be displayed.

"EfficientDynamics info"

The following systems are displayed:

- ▷ Automatic engine start-stop function.

- Energy recovery.
- Climate control output.
- Coasting.

Display ECO PRO tips

"ECO PRO Tips"

The setting is stored for the profile currently in use.

Coasting

The concept

The system helps to conserve fuel.

To do this, under certain conditions the engine is automatically decoupled from the transmission when transmission position D is engaged. The vehicle continues traveling with the engine idling to reduce fuel consumption. Transmission position D remains engaged.

This driving condition is referred to as coasting.

As soon as the brake or accelerator pedal is depressed, the engine is automatically coupled to the transmission again.

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Hints

Coasting is a component of the ECO PRO, refer to page 155, driving mode.

Coasting is automatically activated when ECO PRO mode is called via the Driving Dynamics Control.

The function is available in a certain speed range.

A forward-looking driving style helps the driver to use the function as often as possible and supports the fuel-conserving effect of coasting.

Safety mode

The function is not available if one of the following conditions is satisfied.

- DSC OFF or TRACTION activated.
- Driving in the dynamic limit range and on steep uphill or downhill grades.
- Battery charge status temporarily too low or vehicle electrical system drawing excessive current.
- Cruise control activated.

Functional requirements

In ECO PRO mode, this function is available in a speed range from approximately 30 mph, approx. 50 km/h to 100 mph, approx. 160 km/h, if the following conditions are satisfied:

- Accelerator pedal and brake pedal are not operated.
- The selector lever is in transmission position D.
- Engine and transmission are at operating temperature.

Display

Display in the instrument cluster

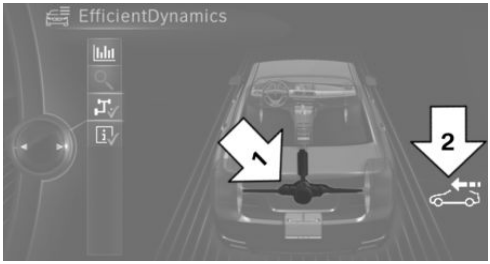
The mark in the bar display below the tachometer is backlit in blue and is located at the zero point. The tachometer approximately indicates idle speed.

The coasting point indicator is illuminated at the zero point during coasting.

Indications on the Control Display

The Coasting driving condition is displayed in EfficientDynamics Info while this driving mode is active.

The distance traveled in the Coasting driving condition is indicated by a counter.



Color code blue, arrow 1, and symbol, arrow 2: driving condition Coasting.

Displaying EfficientDynamics info

1. "Vehicle Info"
2. "EfficientDynamics"
3. "EfficientDynamics info"

Deactivating the system manually

The function can be deactivated in the Configure ECO PRO, refer to page 156, menu, e.g., to use the braking effect of the engine when traveling downhill.

The setting is stored for the profile currently in use.

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ECO PRO driving style analysis

The concept

The system helps in this situation to develop an especially efficient driving style and to conserve fuel.

For this purpose, the driving style is analyzed. The assessment is done in various categories and is displayed on the Control Display.

Using this indication, the individual driving style can be oriented toward conserving fuel.

The last fifteen minutes of a trip are evaluated.

The range of the vehicle can be extended by an efficient driving style.

This gain in range is displayed as a bonus range in the instrument cluster and on the Control Display.

Functional requirement

The function is only available in ECO PRO mode.

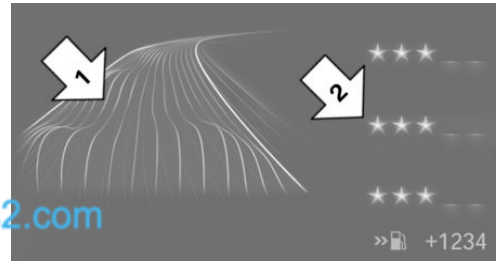
Calling up ECO PRO driving style analysis

Via the Driving Dynamics Control

1. Activate ECO PRO.
2. "EfficientDynamics"
3. Select the symbol.

Display

Display on the Control Display



The display of the ECO PRO driving style analysis consists of a symbolized road route and a lookup table.

The road symbolizes the efficiency of the driving style. The more efficient the driving style, the smoother the depicted road route becomes, arrow 1.

The table of values contains stars. The more efficient the driving style, the more stars are included in the table and the faster the bonus range increases, arrow 2.

If, on the other hand, the driving style is inefficient, a wavy road and a reduced number of stars is displayed.

To assist with an efficient driving style, ECO PRO tips are displayed during the drive.

Tips about the energy saving driving style, Conserving fuel, refer to page 154.

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Mobility

In order to always ensure your mobility, you will find important information on operating fluids, wheels and tires, maintenance and Roadside Assistance in the following.

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Refueling

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Hints

Refuel promptly

Refuel no later than at a range of 30 miles/50 km, or operation of the engine is not ensured and damage may occur.◀

Fuel cap

Opening

1. Briefly press the rear edge of the fuel filler flap.

2. Turn the fuel cap counterclockwise.

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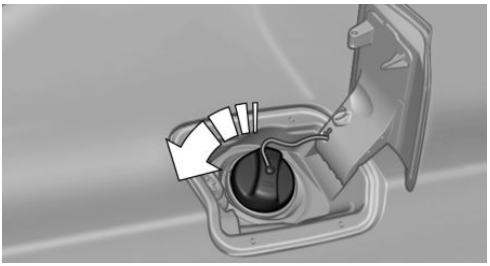
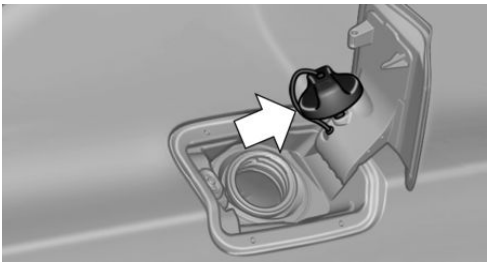


3. Place the fuel cap in the bracket attached to the fuel filler flap.



Closing

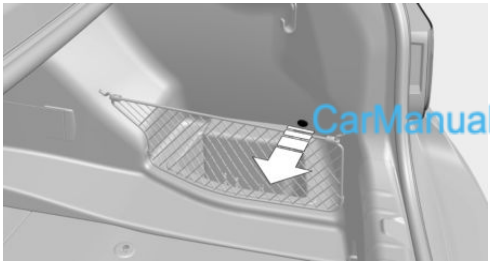
1. Fit the cap and turn it clockwise until you clearly hear a click.
2. Close the fuel filler flap.

Do not pinch the retaining strap

Do not pinch the retaining strap attached to the cap; otherwise, the cap cannot be closed properly and fuel vapors can escape.◀

Manually unlocking fuel filler flap

In the event of an electrical malfunction, for example.



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Pull the green knob with the fuel pump symbol. This releases the fuel filler flap.

Observe the following when refueling

The fuel tank is full when the filler nozzle clicks off the first time.

Do not overfill the fuel tank

Do not overfill the fuel tank; otherwise fuel may escape, causing harm to the environment and damaging the vehicle.◀

Handling fuels

Obey safety regulations posted at the gas station.◀

Fuel

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Fuel recommendation

Note

General fuel quality

Even fuels that conform to the specifications can be of low quality. Switch gas stations or use fuel from brand name producers having a higher octane level; otherwise, engine problems, such as poor engine starting performance, poorer handling characteristics or driving performance may occur.◀

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Gasoline

For the best fuel economy, the gasoline should be sulfur-free or very low in sulfur content.

Fuels that are marked on the gas pump as containing metal must not be used.

Refuel only with unleaded gasoline without metallic additives.

Do not refuel with any leaded gasoline or gasoline with metallic additives, e. g. manganese or iron, or permanent damage to the catalytic converter and other components.◀

Fuels with a maximum ethanol content of 10 %, i. e., E10, may be used for refueling.

Ethanol should satisfy the following quality standards:

US: ASTM 4806–xx

CAN: CGSB-3.511–xx

xx: comply with the current standard in each case.

Do not refuel with Ethanol above the maximum Ethanol proportion

Do not refuel with Ethanol above the maximum Ethanol proportion, that is, refueling with fuel that contains more than 10 % Ethanol, flex fuel or other alcohols; otherwise, damage to the engine and fuel supply could result.◀

Gasoline quality

BMW recommends AKI 91.

Minimum fuel grade

BMW recommends AKI 89.

Minimum fuel grade

Do not use any gasoline below the minimum fuel grade as this may impair engine performance.◀

If you use gasoline with this minimum AKI Rating, the engine may produce knocking sounds when starting at high outside temperatures. This has no effect on the engine life.

Fuel quality

The use of poor-quality fuels may result in harmful engine deposits or damage. Additionally, problems relating to drivability, starting and stalling, especially under certain environmental conditions such as high ambient temperature and high altitude, may occur.

If drivability problems are encountered, we recommend switching to a high quality gasoline brand and a higher octane grade — AKI number — for a few tank fills. To avoid harmful engine deposits, it is highly recommended to purchase gasoline from BP or Top Tier retailers.

Failure to comply with these recommendations may result in the need for unscheduled maintenance.◀

BMW recommends BP fuels

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Wheels and tires

Vehicle equipment

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All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Tire inflation pressure

Safety information

The tire characteristics and tire inflation pressure influence the following:

- ▷ The service life of the tires.
- ▷ Road safety.
- ▷ Driving comfort.

Checking the pressure

Tires have a natural, consistent loss of pressure.

⚠ Check the tire inflation pressure regularly

Regularly check the tire inflation pressure, and correct it as needed: at least twice a month and before a long trip. If you fail to observe this precaution, you may be driving on tires with incorrect tire pressures, a condition that may not only compromise your vehicle's driving stability, but also lead to tire damage and the risk of an accident.◀

Tires heat up during driving, and the tire inflation pressure increases along with the temperature of the tire. The tire inflation pressure specifications relate to cold tires or tires with the ambient temperature.

Only check the tire inflation pressure when the tires are cold. This means after driving no more than 1.25 miles/2 km or when the vehicle has been parked for at least 2 hours.

After correcting the tire inflation pressure:

- ▷ Reinitialize the Flat Tire Monitor.
- ▷ Reinitialize the Tire Pressure Monitor.

Pressure specifications

The tire inflation pressure table, refer to page 167, contains all pressure specifications for the specified tire sizes at the ambient temperature. Pressure specifications apply to approved tire sizes and recommended tire brands. This information can be obtained from your service center.

To identify the correct tire inflation pressure, please note the following:

- ▷ Tire sizes of your vehicle.
- ▷ Maximum permitted driving speed.

Tire inflation pressures up to 100 mph/160 km/h

For speeds of up to 100 mph/160 km/h and for optimum driving comfort, note the pressure values in the tire inflation pressure table, refer to page 167, and adjust as necessary.

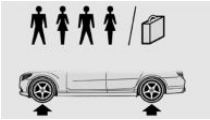
These pressure values can also be found on the tire inflation pressure label on the driver's door pillar.

Maximum permissible speed

Do not exceed 100 mph/160 km/h; otherwise, tire damage and accidents may result.◀

Tire inflation pressure values up to 100 mph/160 km/h

228i

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
225/45 R 17 91 H M+S RSC	2.2 / 32	2.2 / 32
205/50 R 17 89 V M+S A/S RSC 205/50 R 17 89 H M+S RSC 225/40 R 18 92 V M+S XL RSC 225/40 R 18 92 V M+S XL A/S RSC	2.2 / 32	2.5 / 36
Front: 225/45 R 17 91 W RSC Rear: 245/40 R 17 91 W RSC	2.2 / 32 -	- 2.2 / 32
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.2 / 32 -	- 2.6 / 38

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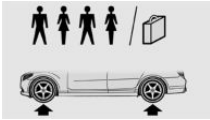
Tire size	Pressure specifications in bar/PSI	
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.5 / 36 -	- 2.8/41
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

M235i

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
225/40 R 18 92 V M+S XL A/S RSC 205/50 R 17 89 H M+S RSC 225/45 R 17 91 H M+S RSC 225/40 R 18 92 V M+S XL RSC	2.2 / 32	2.6 / 38
Front: 225/40 R 18 88 Y Std Rear: 245/35 R 18 92 Y Std	2.2 / 32 -	- 2.6 / 38
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.2 / 32 -	- 2.6 / 38

Tire size	Pressure specifications in bar/PSI	
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.5 / 36 -	- 2.8 / 41
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

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Tire inflation pressures at max. speeds above 100 mph/160 km/h

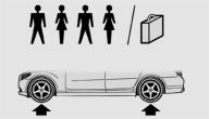
Speeds above 100 mph/160 km/h

In order to drive at maximum speeds in excess of 100 mph/160 km/h, please observe, and, if necessary, adjust tire pressures for speeds exceeding 100 mph/160 km/h from the relevant table on the following pages. Otherwise tire damage and accidents could occur.◄

Tire inflation pressure values over 100 mph/160 km/h

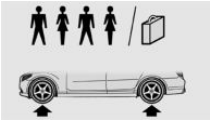
228i

Without high-speed tuning feature

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
225/45 R 17 91 H M+S RSC	2.2 / 32	2.6 / 38

Tire size	Pressure specifications in bar/PSI	
205/50 R 17 89 V M+S A/S RSC 225/40 R 18 92 V M+S XL A/S RSC 205/50 R 17 89 H M+S RSC 225/40 R 18 92 V M+S XL RSC	2.4 / 35	2.8 / 41
Front: 225/45 R 17 91 W RSC Rear: 245/40 R 17 91 W RSC	2.2 / 32 -	- 2.4 / 35
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.2 / 32 -	- 2.6 / 38
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.5 / 36 -	- 2.8/41
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

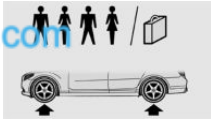
With high-speed tuning feature

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
225/45 R 17 91 H M+S RSC	2.5 / 36	2.9 /42

Tire size	Pressure specifications in bar/PSI	
205/50 R 17 89 H M+S RSC 225/40 R 18 92 V M+S XL RSC	2.6 / 38	3.1 / 45
Front: 225/45 R 17 91 W RSC Rear: 245/40 R 17 91 W RSC	2.5 / 36 -	- 3.0 /44
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.4 / 35 -	- 2.9 /42
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.8 / 41 -	- 3.2/ 46
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

M235i

Without high-speed tuning feature

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
225/40 R 18 92 V M+S XL A/S RSC 205/50 R 17 89 H M+S RSC 225/45 R 17 91 H M+S RSC 225/40 R 18 92 V M+S XL RSC	2.5 / 36	2.8 / 41
Front: 225/40 R 18 88 Y Std Rear: 245/35 R 18 92 Y Std	2.2 / 32 -	- 2.6 / 38
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.2 / 32 -	- 2.6 / 38
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.5 / 36 -	- 2.8/ 41
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

With high-speed tuning feature

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Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
205/50 R 17 89 H M+S RSC 225/45 R 17 91 H M+S RSC 225/40 R 18 92 V M+S XL RSC	2.7 / 39	3.1 / 45
Front: 225/40 R 18 88 Y Std Rear: 245/35 R 18 92 Y Std	2.5 / 36 -	- 2.9 / 42
Front: 225/40 R 18 88 Y RSC Rear: 245/35 R 18 88 Y RSC	2.5 / 36 -	- 2.9 / 42
Front: 225/35 R 19 88 Y XL RSC Rear: 245/30 R 19 89 Y XL RSC	2.9 /42 -	- 3.2/ 46
Compact wheel T 125/80 R 17 99 M	Speed up to a max. of 50 mph / 80 km/h 4.2 / 60	

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Tire identification marks

Tire size

245/45 R 18 96 Y

245: nominal width in mm

45: aspect ratio in %

R: radial tire code

18: rim diameter in inches

96: load rating, not for ZR tires

Y: speed rating, before the R on ZR tires

Speed letter

Q = up to 100 mph, 160 km/h

R = up to 106 mph, 170 km/h

S = up to 112 mph, 180 km/h

T = up to 118 mph, 190 km/h

H = up to 131 mph, 210 km/h

V = up to 150 mph, 240 km/h

W = up to 167 mph, 270 km/h

Y = up to 186 mph, 300 km/h

Tire Identification Number

DOT code: DOT xxxx xxx 1013

xxxx: manufacturer code for the tire brand

xxx: tire size and tire design

1013: tire age

Tires with DOT codes meet the guidelines of the U.S. Department of Transportation.

Tire age

DOT ... 1013: the tire was manufactured in the 10th week 2013.

Recommendation

Regardless of wear, replace tires at least every 6 years.

Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200; Traction AA; Temperature A

DOT Quality Grades

Treadwear

Traction AA A B C

Temperature A B C

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half, 1 g, times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C.

Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.

Temperature

The temperature grades are A, the highest, B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades Band A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Temperature grade for this tire

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

If necessary, have the vehicle towed.◀

RSC – Run-flat tires

Run-flat tires, refer to page 174, are labeled with a circular symbol containing the letters RSC marked on the sidewall.

M+S

Winter and all-season tires with better cold weather performance than summer tires.

Tire tread

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Summer tires

Do not drive with a tire tread depth of less than 0.12 in/3 mm.

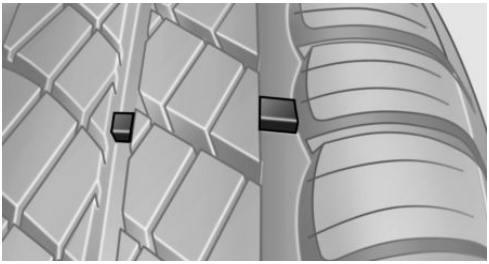
There is an increased danger of hydroplaning if the tread depth is less than 0.12 in/3 mm.

Winter tires

Do not drive with a tire tread depth of less than 0.16 in/4 mm.

Below a tread depth of 0.16 in/4 mm, tires are less suitable for winter operation.

Minimum tread depth



Wear indicators are distributed around the tire's circumference and have the legally required minimum height of 0.063 in/1.6 mm.

They are marked on the side of the tire with TWI, Tread Wear Indicator.

Tire damage

General information

Inspect your tires often for damage, foreign objects lodged in the tread, and tread wear.

Notes

Driving over rough or damaged road surfaces, as well as debris, curbs and other obstacles can cause serious damage to wheels, tires and suspension parts. This is more likely to occur with low-profile tires, which provide less cushioning between the wheel and the road. Be careful to avoid road hazards and reduce your speed, especially if your vehicle is equipped with low-profile tires.

Indications of tire damage or other vehicle defects:

- ▷ Unusual vibrations during driving.
- ▷ Unusual handling such as a strong tendency to pull to the left or right.

Damage can, e. g., be caused by driving over curbs, road damage, or similar things.

⚠ In case of tire damage

If there are indications of tire damage, reduce your speed immediately and have the wheels and tires checked right away; otherwise, there is the increased risk of an accident.

Drive carefully to the nearest service center. Have the vehicle towed or transported there. Otherwise, tire damage can become life threatening for vehicle occupants and also other road users.◀

⚠ Repair of tire damage

For safety reasons, the manufacturer of your vehicle recommends that you do not have damaged tires repaired; they should be replaced. Otherwise, damage can occur as a result.◀

Changing wheels and tires

Mounting

⚠ Information on mounting tires

Have mounting and balancing performed only by a service center.

If this work is not carried out properly, there is the danger of subsequent damage and related safety hazards.◀

Wheel and tire combination

You can ask the service center about the right wheel/tire combination and wheel rim versions for the vehicle.

Incorrect wheel and tire combinations impair the function of a variety of systems such as ABS or DSC.

To maintain good handling and vehicle response, use only tires with a single tread configuration from a single manufacturer.

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Following tire damage, have the original wheel and tire combination remounted on the vehicle as soon as possible.

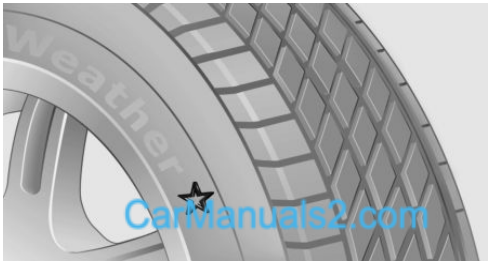
Approved wheels and tires

The manufacturer of your vehicle recommends that you use only wheels and tires that have been approved for your particular vehicle model.

For example, despite having the same official size ratings, variations can lead to body contact and with it, the risk of severe accidents.

The manufacturer of your vehicle cannot evaluate non-approved wheels and tires to determine if they are suited for use, and therefore cannot ensure the operating safety of the vehicle if they are mounted.◀

Recommended tire brands



For each tire size, the manufacturer of your vehicle recommends certain tire brands. These can be identified by a star on the tire sidewall.

With proper use, these tires meet the highest standards for safety and handling.

New tires

Due to technical factors associated with their manufacture, tires do not achieve their full traction potential until after an initial breaking-in period.

Drive conservatively for the first 200 miles/300 km.

Retreaded tires

The manufacturer of your vehicle does not recommend the use of retreaded tires.

Retreaded tires

Possibly substantial variations in the design and age of the tire casing structures can limit service life and have a negative impact on road safety.◀

Winter tires

Winter tires are recommended for operating on winter roads.

Although so-called all-season M+S tires do provide better winter traction than summer tires, they do not provide the same level of performance as winter tires.

Maximum speed of winter tires

If the maximum speed of the vehicle is higher than the permissible speed for the winter tires, then display a corresponding sign in the field of vision. You can obtain this sign from the tire specialist or from your service center.

Maximum speed for winter tires

Do not exceed the maximum speed for the respective winter tires; otherwise, tire damage and accidents can occur.◀

Run-flat tires

If you are already using run-flat tires, for your own safety you should replace them only with the same kind. No spare tire is available in the case of a flat tire. Your service center will be glad to advise you.

Rotating wheels between axles

The manufacturer of your vehicle advises against switching wheels between the front and rear axles.

This can impair the handling characteristics.

Storage

Store wheels and tires in a cool, dry place with as little exposure to light as possible.

Always protect tires against all contact with oil, grease and fuels.

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Do not exceed the maximum tire inflation pressure indicated on the side wall of the tire.

Run-flat tires

Label

RSC label on the tire sidewall.

The wheels are composed of special rims and tires that are self-supporting, to a limited degree.

The support of the sidewall allows the tire to remain drivable to a restricted degree in the event of a pressure loss.

Continued driving with a damaged tire, refer to page 103.

Continued driving with a damaged tire, refer to page 100.

Changing run-flat tires

For your own safety, only use run-flat tires. No spare tire is available in the case of a flat tire. Your service center will be glad to advise you.

Snow chains

Fine-link snow chains

Only certain types of fine-link snow chains have been tested by the manufacturer of the vehicle, classified as road-safe and approved.

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Information about the approved snow chains are available from the service center.

Use

Use only in pairs on the rear wheels, equipped with the tires of the following size:

- ▷ 205/55 R 16.
- ▷ 205/50 R 17.
- ▷ 225/45 R 17.

Follow the chain manufacturer's instructions.

Make sure that the snow chains are always sufficiently tight. Retighten as needed according to the chain manufacturer's instructions.

Do not initialize the Flat Tire Monitor after mounting snow chains, as doing so may result in incorrect readings.

Do not initialize the Tire Pressure Monitor after mounting snow chains, as doing so may result in incorrect readings.

When driving with snow chains, briefly activate Dynamic Traction Control if necessary.

Maximum speed with snow chains

Do not exceed a speed of 30 mph/50 km/h when using snow chains.

Engine compartment

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

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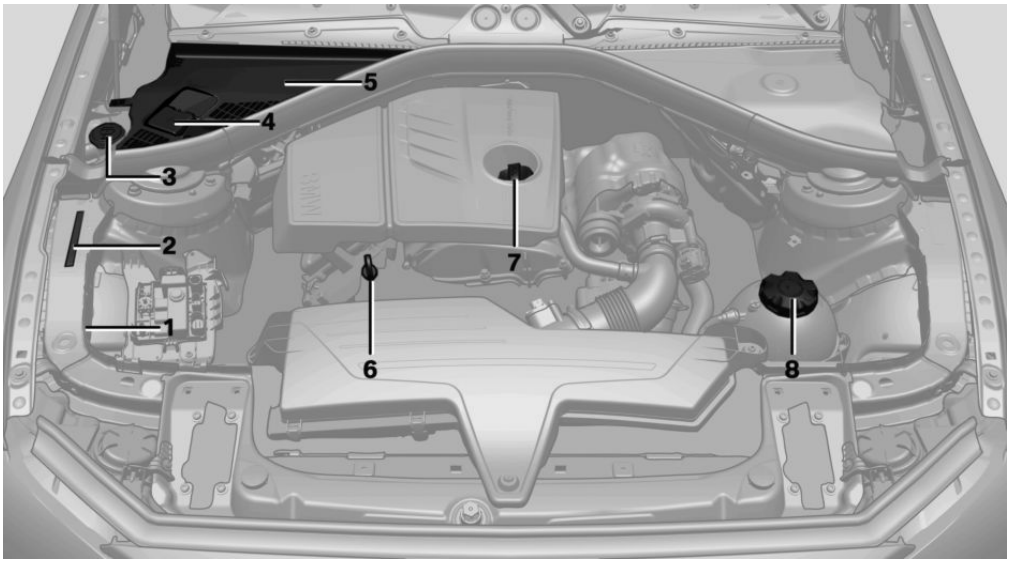
Important features in the engine compartment



1 Jump-starting, negative terminal
2 Vehicle identification number
3 Washer fluid reservoir
4 Jump-starting, positive terminal
5 Engine compartment fuse box
6 Dipstick for engine oil
7 Oil filler neck
8 Coolant reservoir

Hood

Hints

Working in the engine compartment

Never attempt to perform any service or repair operations on your vehicle without the necessary professional technical training.

If you are unfamiliar with the statutory guidelines, have any work on the vehicle performed only by a service center.

If this work is not carried out properly, there is the danger of subsequent damage and related safety hazards.◀

Never reach into the engine compartment

Never reach into the intermediate spaces or gaps in the engine compartment. Otherwise, there is risk of injury, e.g., from rotating or hot parts.◀

Fold down wiper arm

Before opening the hood, ensure that the wiper arms are against the windshield, or this may result in damage.◀

Opening the hood

1. Pull lever in the interior:

   Engine is released, arrow 1.

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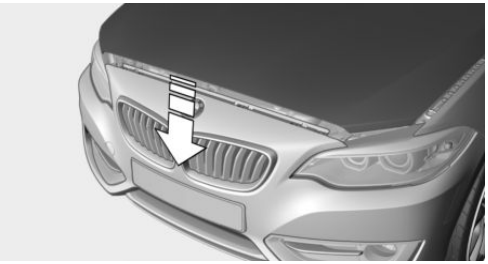
2. After the lever is released, pull the lever again:

   Hood can be opened, arrow 2.

Indicator/warning lamps

When the hood is opened, a Check Control message is displayed.

Closing the hood



Let the hood drop from a height of approx. 16 in/40 cm and push down on it to lock it fully.

The hood must audibly engage on both sides.

Hood open when driving

If you see any signs that the hood is not completely closed while driving, pull over immediately and close it securely.◀

Danger of pinching

Make sure that the closing path of the hood is clear; otherwise, injuries may result.◀

Engine oil

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

General information

The engine oil consumption is dependent on the driving style and driving conditions. When a sporty driving style is used, the engine oil consumption, for example, is clearly higher.

Therefore, regularly check the engine oil level after refueling.

The vehicle is equipped with electronic oil measurement.

The electronic oil measurement has two measuring principles.

- ▷ Status display
- ▷ Detailed measurement

Checking the oil level electronically

Status display

The concept

The oil level is monitored electronically during driving and shown on the Control Display.

If the oil level reaches the minimum level, a check control message is displayed.

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Requirements

A current measured value is available after approx. 30 minutes of driving. During a shorter trip, the status of the last, sufficiently long trip is displayed.

With frequent short-distance trips, regularly perform a detailed measurement.

Displaying the oil level

1. "Vehicle Info"
2. "Vehicle status"
3. "Engine oil level"

Oil level display messages

Different messages appear on the display depending on the oil level. Pay attention to these messages.

If the engine oil level is too low, within the next 125 miles/200 km Add oil, refer to page 178.

Engine oil level too low

Add oil immediately; otherwise, an insufficient amount of engine oil could result in engine damage.◂

Take care not to add too much engine oil.

Too much engine oil

Have the vehicle checked immediately; otherwise, surplus oil can lead to engine damage.◂

Detailed measurement

The concept

In the detailed measurement the oil level is checked and displayed via a scale.

During the measurement, the idle speed is increased somewhat.

General information

A detailed measurement is only possible with certain engines.

Requirements

- ▷ Vehicle is on level road.
- ▷ Manual transmission: shift lever in neutral position, clutch and accelerator pedals not depressed.
- ▷ Automatic transmission: selector lever in transmission position N or P and accelerator pedal not depressed.
- ▷ Engine is running and is at operating temperature.

Performing a detailed measurement

In order to perform a detailed measurement of the engine oil level:

1. "Vehicle Info"
2. "Vehicle status"
3. "Measure engine oil level"
4. "Start measurement"

The oil level is checked and displayed via a scale.

Duration: approx. 1 minute.

Adding engine oil

General information

Switch off the ignition and safely park the vehicle before engine oil is added.

Filler neck

Adding oil

Add oil within the next 125 miles/200 km. Otherwise, the engine may be damaged.◀

Do not add too much engine oil

When too much engine oil is added, immediately have the vehicle checked, otherwise, this may cause engine damage.◀

Protect children

Keep oil, grease, etc., out of reach of children and heed the warnings on the containers to prevent health risks.◀

Oil types for refilling

Hints

No oil additives

Oil additives may lead to engine damage.◀

Viscosity grades for engine oils

When selecting an engine oil, ensure that the engine oil belongs to one of the viscosity grades SAE 0W-40, SAE 0W-30, SAE 5W-40, and SAE 5W-30 or malfunctions or engine damage may occur.◀

The engine oil quality is critical for the life of the engine.

Some types of oils in some cases are not available in all countries.

Approved oil types

Gasoline engine
BMW Longlife-01.
BMW Longlife-01 FE.

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Additional information about the approved types of oils can be requested from the service center.

Alternative oil types

If the approved engine oils are not available, up to 1 US quart/liter of an oil with the following specification can be added:

Gasoline engine
API SM or superior grade specification.

Engine oil change

The manufacturer of your vehicle recommends having the engine oil changed by your service center.

BMW recommends Castrol

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Coolant

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Hints

Danger of burns from hot engine

Do not open the cooling system while the engine is hot; otherwise, escaping coolant may cause burns.◂

Suitable additives

Only use suitable additives; otherwise, engine damage may occur. The additives are harmful to your health.◂

Coolant consists of water and additives.

Not all commercially available additives are suitable for the vehicle. Information about the suitable additives are available from the service center.

Coolant level

Checking

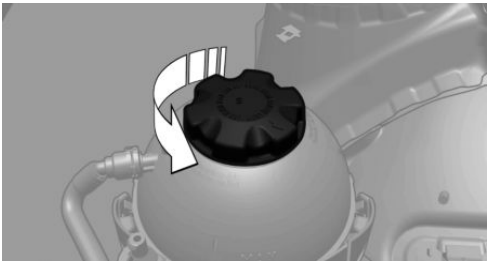
1. Let the engine cool.
2. The coolant level is correct if it lies between the minimum and maximum marks.

   The marks are on the side of the coolant reservoir.

Symbol	Meaning
▽	Maximum
△	Minimum

Filling

1. Let the engine cool.
2. Turn the cap of the coolant reservoir slightly counterclockwise to allow any excess pressure to dissipate, and then open it.



3. If the coolant is low, slowly add coolant up to the specified level; do not overfill.
4. Turn the cap until there is an audible click. The arrows on the coolant reservoir and the cap must point towards one another.
5. Have the cause of the coolant loss eliminated as soon as possible.

Disposal

Comply with the relevant environmental protection regulations when disposing of coolant and coolant additives.

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Maintenance

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

BMW maintenance system

The maintenance system indicates required maintenance measures, and thereby provides support in maintaining road safety and the operational reliability of the vehicle.

Condition Based Service CBS

Sensors and special algorithms take into account the driving conditions of your vehicle. Based on this, Condition Based Service determines the maintenance requirements.

The system makes it possible to adapt the amount of maintenance you need to your user profile.

Detailed information on service requirements, refer to page 82, can be displayed on the Control Display.

Service data in the remote control

Information on the required maintenance is continuously stored in the remote control. Your service center will read out this data and suggest the right array of service procedures for your vehicle.

Therefore, hand your service specialist the remote control with which the vehicle was driven most recently.

Storage periods

Storage periods during which the vehicle battery was disconnected are not taken into account.

If this occurs, have a service center update the time-dependent maintenance procedures, such as checking brake fluid and, if necessary, changing the engine oil and the microfilter/activated-charcoal filter.

Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models

Please consult your Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models for additional information on service requirements.

Maintenance and repair should be performed by your service center. Make sure to have regular maintenance procedures recorded in the vehicle's Service and Warranty Information Booklet for US models, and in the Warranty and Service Guide Booklet for Canadian models. These entries are proof of regular maintenance.

Socket for OBD Onboard Diagnosis

Note

Socket for Onboard Diagnosis

The socket for onboard diagnostics may only be used by the service center or a workshop that operates in accordance with the specifications of the vehicle manufacturer with

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correspondingly trained personnel and other authorized persons. Otherwise, use may result in operating problems for the vehicle.◀

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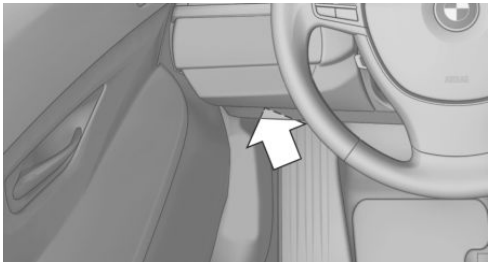
Position



There is an OBD socket on the driver's side for checking the primary components in the vehicle emissions.

Emissions

▷ The warning lamp lights up:

Emissions are deteriorating. Have the vehicle checked as soon as possible.

Canadian model: warning light indicates the engine symbol.

▷ The warning lamp flashes under certain circumstances:

This indicates that there is excessive misfiring in the engine.

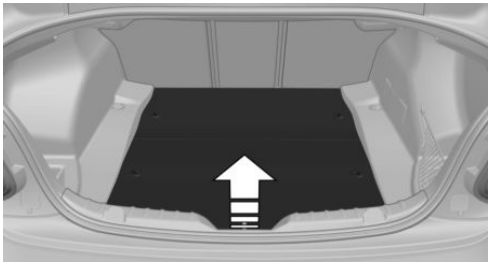
Reduce the vehicle speed and have the system checked immediately; otherwise, serious engine misfiring within a brief period can seriously damage emission control components, in particular the catalytic converter.

Replacing components

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Onboard vehicle tool kit



The onboard vehicle tool kit is stored under the cargo floor cover in the cargo area.

Wiper blade replacement

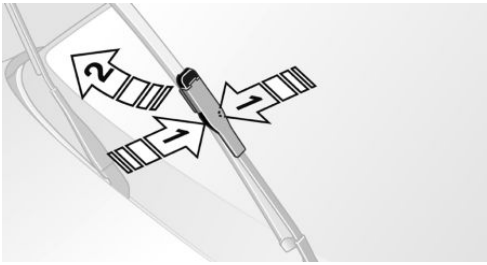
Note

Do not fold down the wipers without wiper blades

Do not fold down the wipers if wiper blades have not been installed; this may damage the windshield.◂

Replacing the wiper blades

1. To change the wiper blades, fold up, refer to page 70, the wiper arms.
2. Fold up and hold the wiper arm firmly.
3. Squeeze the retainer spring, arrow 1, and fold up the wiper blade, arrow 2.



4. Remove the wiper blade forward from the catch.
5. Insert the new wiper blade in reverse order of removal until it locks in place.
6. Fold down the wipers.

Folding down wipers before opening the hood

Before opening the hood, ensure that the wiper arms with the wiper blades are against the windshield to prevent damage.◂

Lamp and bulb replacement

Hints

Lamps and bulbs

Lamps and bulbs make an essential contribution to vehicle safety.

The manufacturer of the vehicle recommends that you entrust corresponding procedures to the service center if you are unfamiliar with them or they are not described here.

You can obtain a selection of replacement bulbs at the service center.

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Danger of burns

Only change bulbs when they are cool; otherwise, there is the danger of getting burned.◄

Working on the lighting system

When working on the lighting system, you should always switch off the lights affected to prevent short circuits.

To avoid possible injury or equipment damage when replacing bulbs, observe any instructions provided by the bulb manufacturer.◄

Do not perform work/bulb replacement on xenon headlamps

Have any work on the xenon lighting system, including bulb replacement, performed only by a service center. Due to the high voltage present in the system, there is the danger of fatal injuries if work is carried out improperly.◄

Do not touch the bulbs

Do not touch the glass of new bulbs with your bare hands, as even minute amounts of contamination will burn into the bulb's surface and reduce its service life.

Use a clean tissue, cloth or something similar, or hold the bulb by its base.◄

Light-emitting diodes (LEDs)

Light-emitting diodes installed behind a cover serve as the light source for controls, display elements and other equipment.

These light-emitting diodes, which are related to conventional lasers, are officially designated as Class 1 light-emitting diodes.

Do not remove the covers

Do not remove the covers, and never stare into the unfiltered light for several hours; otherwise, irritation of the retina could result.◄

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Headlamp glass

Condensation can form on the inside of the external lamps in cool or humid weather. When driving with the light switched on, the condensation evaporates after a short time. The headlamp glasses do not need to be changed.

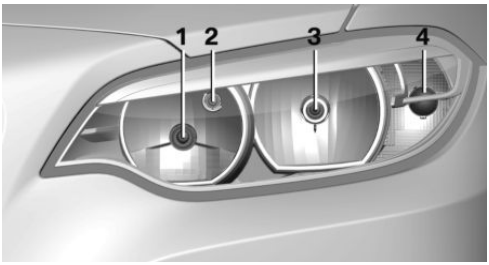
If the headlamps do not dim despite driving with the light switched on, increasing humidity forms, e. g. water droplets in the light, have the service center check this.

Headlamp setting

The headlamp adjustments can be affected by changing lamps and bulbs. Therefore after a change, have the headlamp setting checked and corrected by Service.

Front lamps, bulb replacement

Halogen headlamps



1 Daytime running lights/high beams/headlamp flasher

2 Parking lamps

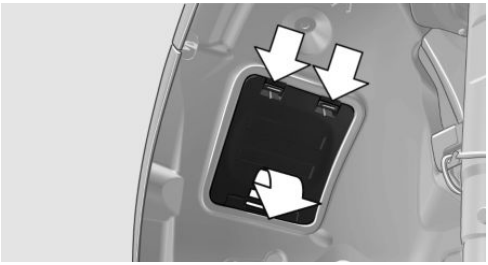
3 Low beams

4 Turn signal

Accessing the turn signals and low beams

Follow the general instructions on lamps and bulbs, refer to page 183.

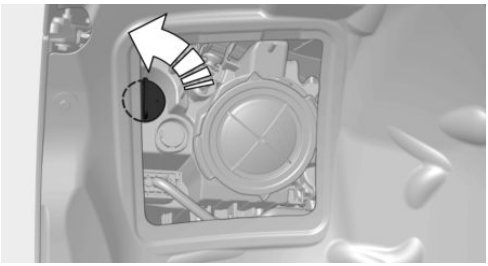
1. In the wheel house, loosen the two brackets and remove the cover.



Turn signal

21-watt bulb, PY21W

1. If necessary, pull the inside trim of the wheel house slightly inward. Turn the bulb holder counterclockwise and remove.



2. Press the bulb gently into the socket, turn counterclockwise and remove.
3. Install the new bulb and the bulb holder in reverse order of removal.
4. Attach the cover to the wheel house.

Low beams

55-watt bulb, H7.

1. Turn the cover counterclockwise and remove.

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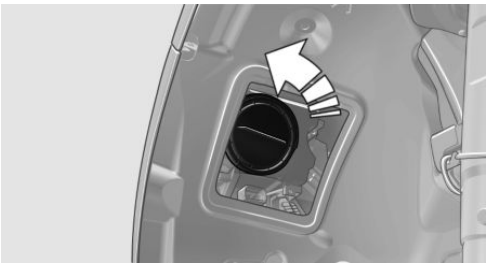
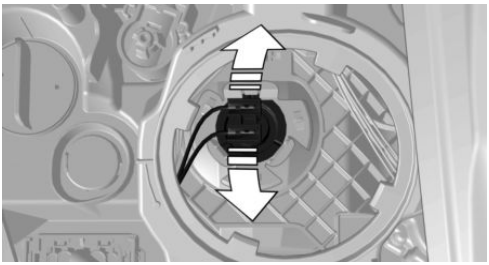
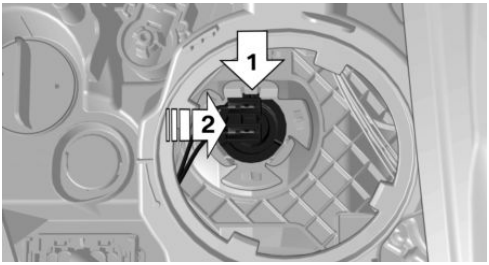


2. Tilt the bulb down and then up to loosen it from the holder and remove.



3. Pull the connector off the bulb.
4. Attach the connector to the new bulb.
5. First insert the bulb at the top with the strap, arrow 1, and then press down firmly, arrow 2. The bulb must audibly latch in place.

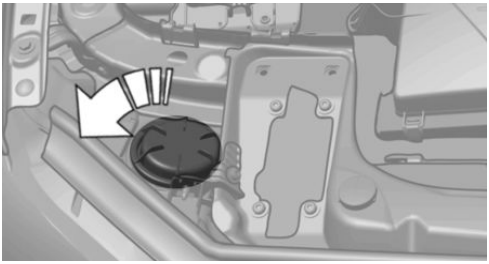


6. Close the headlamp housing with the cap. Make sure that the cap engages.
7. Attach the cover to the wheel house.

Accessing the daytime running lights, high beams/headlamp flasher and parking lamps

Follow the general instructions on lamps and bulbs, refer to page 183.

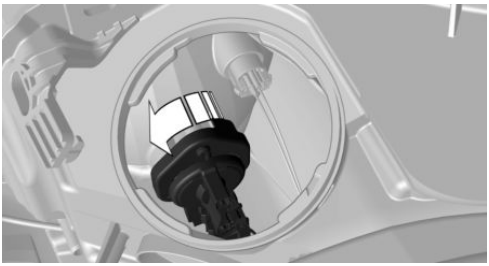
1. Open the hood, refer to page 175.
2. Turn the cover counterclockwise and remove.



Daytime running lights and high beams/headlamp flasher

55-watt bulb, H15.

1. Turn the bulb counterclockwise and remove.

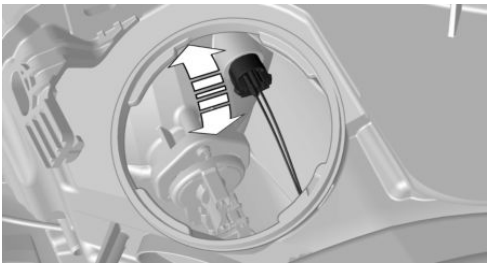


2. Install the new bulb in reverse order of removal. Turn the clockwise bulb here until it hits the stop.
3. Close the headlamp housing with the cap. Make sure that the cap engages.

Parking lamps

6-watt bulb, H6W.

1. Tilt the bulb holder down and then up to loosen it from the holder and remove.



2. Carefully remove the bulb from the bulb holder.
3. To insert the new bulb, proceed in reverse order of removal. Make sure you hear the bulb holder engage.
4. Close the headlamp housing with the cap.

Xenon headlamps

Xenon headlamps

Because of the long life of these bulbs, the likelihood of failure is very low. Switching the lamps on and off frequently shortens their life.

If a xenon bulb fails, switch on the front fog lamps and continue the trip with great care. Comply with local regulations.

Do not perform work/bulb replacement on xenon headlamps

Have any work on the xenon lighting system, including bulb replacement, performed only by a service center. Due to the high voltage present in the system, there is the danger of fatal injuries if work is carried out improperly.◀

For checking and adjusting headlamp aim, please contact your BMW center.

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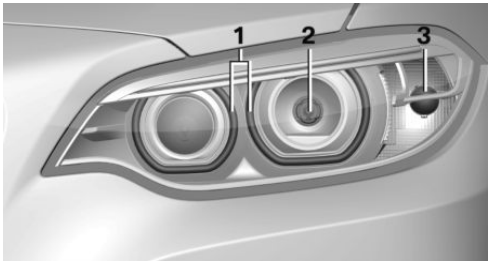
Headlamps



1 Parking lamps / daytime running lights
2 Low beams/high beams/headlamp flasher
3 Turn signal

Low beams and high beams are designed with xenon technology.

The parking lamps and daylight running lights are made using LED technology.

Contact your service center in the event of a malfunction.

Turn signal

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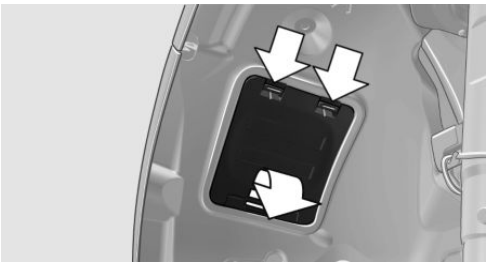
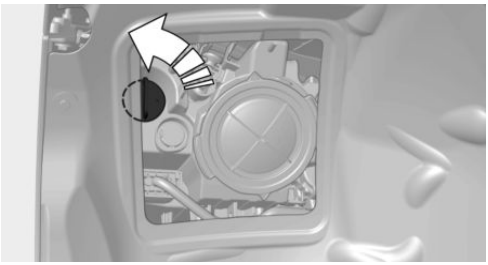
Follow the general instructions on lamps and bulbs, refer to page 183.

21-watt bulb, PY21W

1. In the wheel house, loosen the two brackets and remove the cover.



2. If necessary, pull the inside trim of the wheel house slightly inward. Turn the bulb holder counterclockwise and remove.



3. Press the bulb gently into the socket, turn counterclockwise and remove.
4. Install the new bulb and the bulb holder in reverse order of removal.
5. Attach the cover to the wheel house.

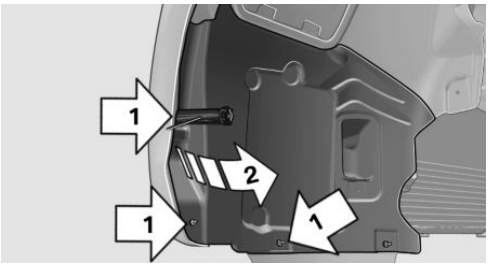
Front fog lamps

Follow the general instructions on lamps and bulbs, refer to page 183.

35-watt bulb, H8.

1. Use the back side of the screwdriver from the onboard vehicle tool kit to remove the three wheel house panel screws, arrow 1.

Carefully raise the wheel house panel, arrow 2.



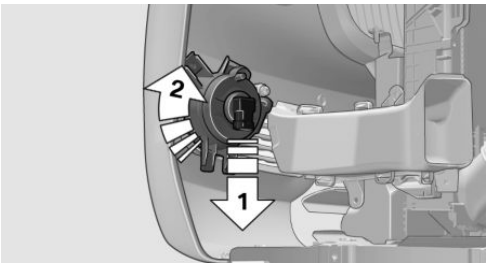
2. Pull off the bulb connector, arrow 1.

   Turn the bulb, arrow 2.

   Left side of vehicle: turn clockwise.

   Right side of vehicle: turn counterclockwise.

   Remove the bulb.



3. Insert the new bulb, connect the connector and screw on the wheel house panel.

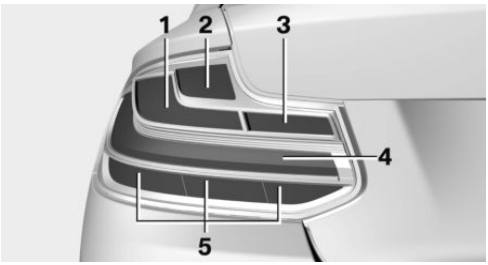
Turn signal in exterior mirror

Follow the general instructions on lamps and bulbs, refer to page 183.

The turn signals in the exterior mirrors feature LED technology. Contact your service center in the event of a malfunction.

Tail lamps, bulb replacement

At a glance



1 Turn signal

2 Top brake lamp

3 Reversing lamp

4 Tail lamp

5 Bottom brake lamps

Bulb replacement

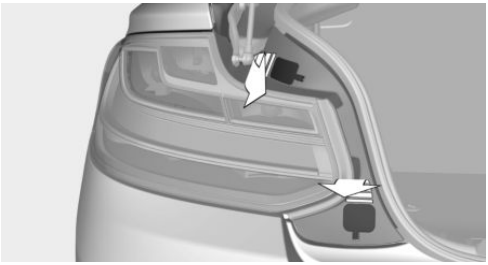
Follow the general instructions on lamps and bulbs, refer to page 183.

Turn signal, brake, tail, rear or reversing lamp: 21-watt bulb, P21W

Rear fog lamp: 6-watt bulb, H6W.

Removing the tail lamp

1. Open trunk lid.
2. Open the two covers on the tail lamp.



3. With the handle of the screwdriver from the onboard vehicle tool kit, loosen and remove the nuts on the two fasteners. Make sure that the nuts do not drop into the

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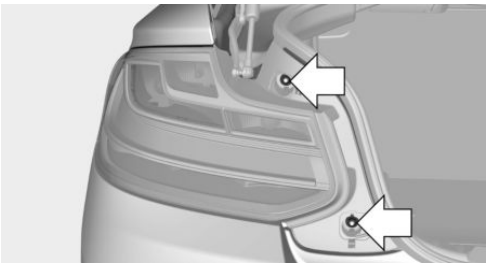
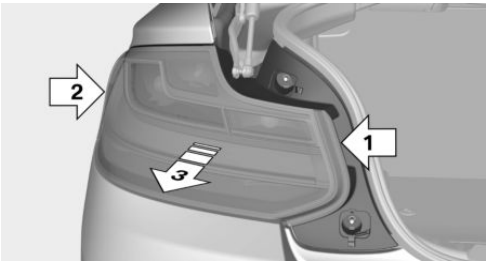
bumper area. In addition to the two outer fasteners, there is another inner fastener.



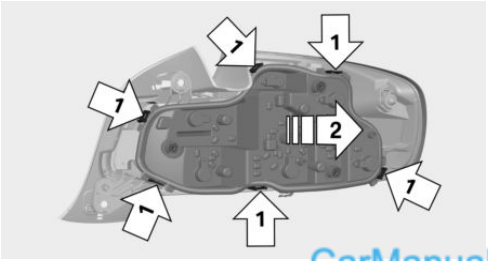
4. Grasp the handle with one hand, arrow 1, and brace with the free hand on the outside, arrow 2. Carefully pry out the tail lamp, arrow 3, until the rubber mount releases from the inner fastener.



5. Remove the plug from the bulb holder.

Replacing the bulbs

1. Loosen the six fasteners on the tail lamp and remove the tail lamp from the lamp holder.

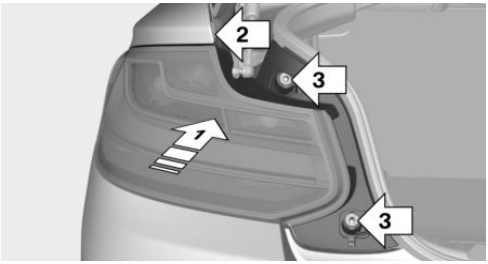


2. Press the defective bulb gently into the socket, turn counterclockwise and remove.

3. Proceed in the reverse order to insert the new bulb and attach the bulb holder to the tail lamp. Make sure that the bulb holder engages in all fasteners.

Installing the tail lamp

1. Connect the plug to the bulb holder.
2. Insert the tail lamp straight in and press it in, arrow 1, until the rubber mount latches in the inner fastener. Make sure when inserting the tail lamp that the rubber lip, arrow 2, on the top side of the tail lamp does not fold over. Screw on the two nuts, arrow 3, and close covers.



Central brake lamp and license plate lamp

Follow the general instructions on lamps and bulbs, refer to page 183.

These lamps are made using LED technology. Contact your service center in the event of a malfunction.

Changing wheels

Hints

The vehicle equipment does not include a spare tire.

When using run-flat tires or tire sealants, a tire does not need to be changed immediately in the event of pressure loss due to a flat tire.

The tools for changing wheels are available as accessories from your service center.

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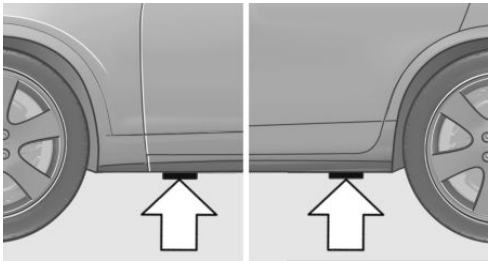
Jacking points for the vehicle jack



The jacking points for the vehicle jack are located at the positions shown.

Vehicle battery

Maintenance

The battery is maintenance-free. The added amount of acid is sufficient for the service life of the battery.

Your service center will be glad to advise you on questions regarding the battery.

Battery replacement

Use approved vehicle batteries only

Only use vehicle batteries that have been approved for your vehicle by the manufacturer; otherwise, the vehicle could be damaged and systems or functions may not be fully available.◂

After a battery replacement, have the battery registered on the vehicle by your service center to ensure that all comfort functions are fully available and that any Check Control messages of these comfort functions are no longer displayed.

Charging the battery

Note

Do not plug chargers into the socket

Do not connect battery chargers to the factory-installed sockets in the vehicle as this may damage the battery.◂

General information

Make sure that the battery is always sufficiently charged to guarantee that the battery remains usable for its full service life.

The battery may need to be charged in the following cases:

- ▷ When making frequent short-distance drives.
- ▷ If the vehicle is not used for prolonged periods, longer than a month.

Starting aid terminals

In the vehicle, only charge the battery via the starting aid terminals, refer to page 195, in the engine compartment with the engine off.

Power failure

After a temporary power loss, some equipment needs to be reinitialized.

Individual settings need to be reprogrammed:

- ▷ Seat and mirror memory: store the positions again.
- ▷ Time: update.
- ▷ Date: update.
- ▷ Navigation system: wait for the operability of the navigation.

Disposing of old batteries

Have old batteries disposed of by your service center or bring them to a recycling center.

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Maintain the battery in an upright position for transport and storage. Secure the battery so that it does not tip over during transport.

Fuses

Hints

Replacing fuses

Never attempt to repair a blown fuse and do not replace a defective fuse with a substitute of another color or amperage rating; this could lead to a circuit overload, ultimately resulting in a fire in the vehicle.◂

Plastic tweezers and information on the fuse types and locations are stored in the fuse box in the cargo area.

In the engine compartment

1. Use the onboard vehicle tool kit to loosen the three cover screws, arrow 1.

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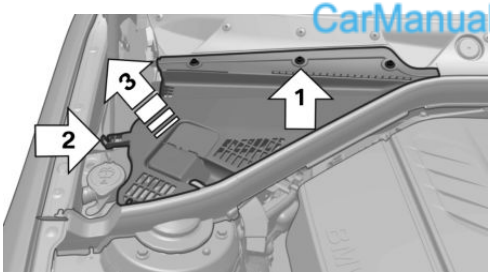
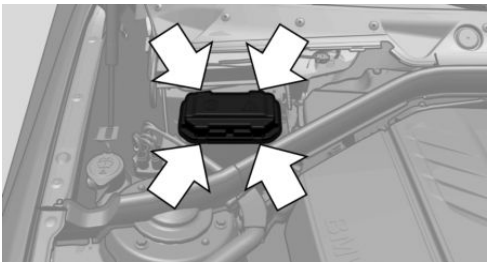
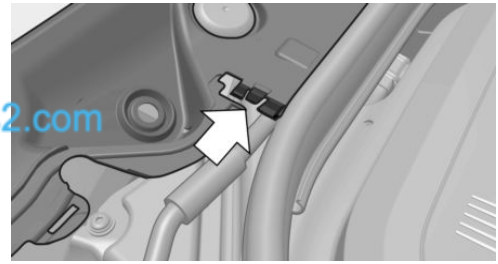


2. Squeeze and raise the holder, arrow 2.
3. Remove the cover from one side, arrow 3.
4. Press the four fasteners and remove the cover.



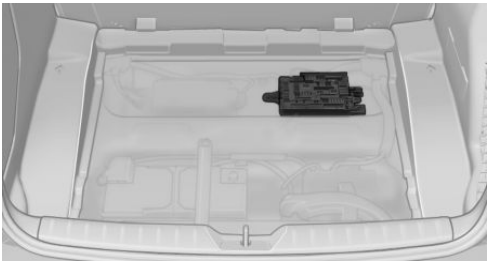
Attaching the covers

1. When attaching the cover, make sure that all four fasteners are engaged.
2. Attach the cover under the rubber lip and then thread it between the bars.

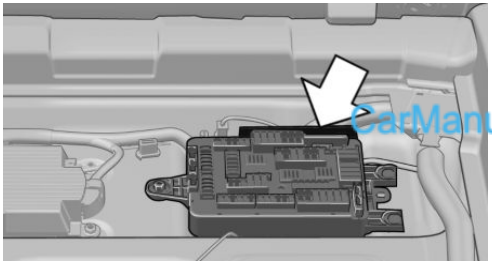


3. Press down on the holder and tighten the three screws.

In the cargo area



Raise the cargo floor panel.



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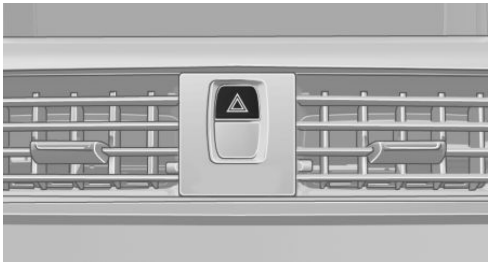
Information on the fuse types and locations is found on a separate sheet.

Breakdown assistance

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Hazard warning flashers



The button is located in the center console.

Intelligent Emergency Request

Requirements

- ▷ The radio ready state is switched on.
- ▷ The Assist system is functional.
- ▷ The SIM card integrated in the vehicle has been activated.

General information

Only press the SOS button in an emergency.

Hints

Emergency Request not guaranteed

For technical reasons, the Emergency Request cannot be guaranteed under unfavorable conditions.◀

Initiating an Emergency Request

1. Press the cover briefly to open it.
2. Press the SOS button until the LED in the button lights up.

▷ The LED lights up: an Emergency Request was initiated.

If the situation allows, wait in your vehicle until the voice connection has been established.

▷ The LED flashes when a connection to the BMW Response Center has been established.

When the emergency request is received at the BMW Response Center, the BMW Response Center contacts you and takes further steps to help you.

Even if you are unable to respond, the BMW Response Center can take further steps to help you under certain circumstances.

For this purpose, data that are used to determine the necessary rescue measures, such as the current position of the vehicle

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if it can be established, are transmitted to the BMW Response Center.

▷ If the LED is flashing, but the BMW Response Center can no longer be heard via the speaker, you can nevertheless still be heard for the BMW Response Center.

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Initiating an Emergency Request automatically

Under certain conditions, an Emergency Request is automatically initiated immediately after a severe accident. Automatic Collision Notification is not affected by pressing the SOS button.

Warning triangle

The warning triangle is located on the inside of the trunk lid.

To remove, loosen the bracket.

First aid kit

Note

Some of the articles have a limited service life.

Check the expiration dates of the contents regularly and replace any expired items promptly.

Storage

The first aid kit is located in the cargo area in the storage compartment.

Roadside Assistance

Service availability

Roadside Assistance can be reached around the clock in many countries. You can obtain assistance there in the event of a vehicle breakdown.

Roadside Assistance

The Roadside Assistance phone number can be viewed on the iDrive or a connection to Roadside Assistance can be established directly.

For additional information, see user's manual for Navigation, Entertainment and Communication.

Jump-starting

Notes

If the battery is discharged, an engine can be started using the battery of another vehicle and two jumper cables. Only use jumper cables with fully insulated clamp handles.

To prevent personal injury or damage to both vehicles, adhere strictly to the following procedure.

Do not touch live parts

To avoid the risk of potentially fatal injury, always avoid all contact with electrical components while the engine is running.◄

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Preparation

1. Check whether the battery of the other vehicle has a voltage of 12 volts. This information can be found on the battery.
2. Switch off the engine of the assisting vehicle.
3. Switch off any electronic systems/power consumers in both vehicles.

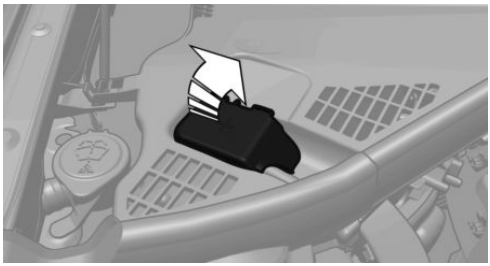
Bodywork contact between vehicles

Make sure that there is no contact between the bodywork of the two vehicles; otherwise, there is the danger of short circuits.◄

Starting aid terminals

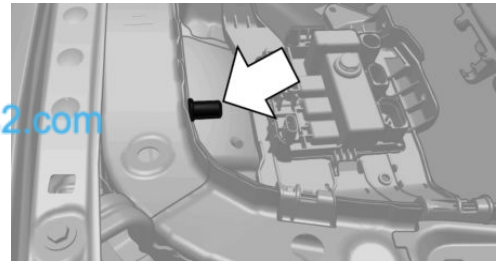
Connecting order

Connect the jumper cables in the correct order; otherwise, there is the danger of injury from sparking.◄



The so-called starting aid terminal in the engine compartment acts as the battery's positive terminal.

Open the cover of the starting aid terminal.



The body ground or a special nut acts as the battery negative terminal.

Connecting the cables

1. Open the cover of the BMW starting aid terminal.
2. Attach one terminal clamp of the positive jumper cable to the positive terminal of the battery, or to the corresponding starting aid terminal of the vehicle providing assistance.
3. Attach the terminal clamp on the other end of the cable to the positive terminal of the battery, or to the corresponding starting aid terminal of the vehicle to be started.
4. Attach one terminal clamp of the negative jumper cable to the negative terminal of the battery, or to the corresponding engine or body ground of assisting vehicle.
5. Attach the second terminal clamp to the negative terminal of the battery, or to the corresponding engine or body ground of the vehicle to be started.

Starting the engine

Never use spray fluids to start the engine.

1. Start the engine of the assisting vehicle and let it run for several minutes at an increased idle speed.
2. Start the engine of the vehicle being started in the usual way.

   If the first starting attempt is not successful, wait a few minutes before making an-

other attempt in order to allow the discharged battery to recharge.

3. Let both engines run for several minutes.
4. Disconnect the jumper cables in the reverse order.

Check the battery and recharge if necessary.

Tow-starting and towing

Note

Tow-starting and towing

When tow-starting and towing the vehicle, switch off the Intelligent Safety systems; otherwise, improper behavior of the braking function of individual systems could result in an accident.◀

Switch off Intelligent Safety systems, refer to page 103.

Automatic transmission: transporting your vehicle

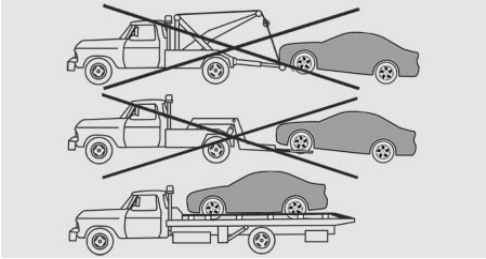
Note

Your vehicle is not permitted to be towed. Therefore, contact a service center in the event of a breakdown.

Do not have the vehicle towed

Have your vehicle transported on a loading platform only; otherwise, damage may occur.◀

Tow truck



Do not lift the vehicle

Do not lift the vehicle by the tow fitting or body and chassis parts; otherwise, damage may result.◀

Use the tow fitting screwed in at the front for maneuvering the vehicle only.

Manual transmission

Gearshift lever in neutral position.

Towing

Follow the towing instructions

Follow all towing instructions; otherwise, vehicle damage or accidents may occur.◀

- ▷ Make sure that the ignition is switched on; otherwise, the low beams, tail lamps, turn signals, and windshield wipers may be unavailable.
- ▷ Do not tow the vehicle with the rear axle tilted, as the front wheels could turn.
- ▷ When the engine is stopped, there is no power assist. Consequently, more force needs to be applied when braking and steering.
- ▷ Larger steering wheel movements are required.
- ▷ The towing vehicle must not be lighter than the vehicle being towed; otherwise, it will not be possible to control the vehicle response.

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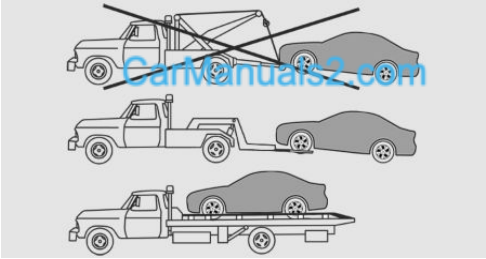
Tow truck



Have your vehicle transported with a tow truck with a so-called lift bar or on a flat bed.

Do not lift the vehicle

Do not lift the vehicle by the tow fitting or body and chassis parts; otherwise, damage may result.◀

Towing other vehicles

General information

Light towing vehicle

The towing vehicle must not be lighter than the vehicle being towed; otherwise, it will not be possible to control the vehicle response.◀

Attaching the tow bar/tow rope correctly

Attach the tow bar or tow rope to the tow fitting; connecting it to other vehicle parts may cause damage.◀

- ▷ Switch on the hazard warning system, depending on local regulations.
- ▷ If the electrical system has failed, clearly identify the vehicle being towed by placing a sign or a warning triangle in the rear window.

Tow bar

The tow fittings used should be on the same side on both vehicles.

Should it prove impossible to avoid mounting the tow bar at an offset angle, please observe the following:

- ▷ Maneuvering capability is limited during cornering.
- ▷ The tow bar will generate lateral forces if it is secured with an offset.

Tow rope

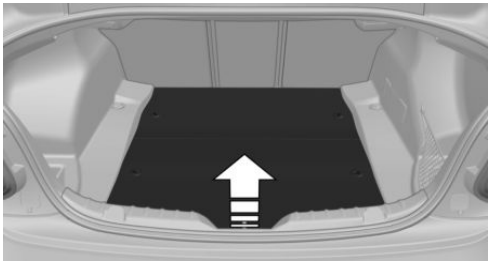
When starting to tow the vehicle, make sure that the tow rope is taut.

To avoid jerking and the associated stresses on the vehicle components when towing, always use nylon ropes or nylon straps.

Attaching the tow rope correctly

Only secure the tow rope on the tow fitting; otherwise, damage can occur when it is secured on other parts of the vehicle.◀

Tow fitting



The screw-in tow fitting should always be carried in the vehicle. It can be screwed in at the front or rear of the BMW. It is stored in the onboard vehicle tool kit in the cargo area under the cargo floor panel.

Tow fitting, information on use

- ▷ Use only the tow fitting provided with the vehicle and screw it all the way in.
- ▷ Use the tow fitting for towing on paved roads only.

▷ Avoid lateral loading of the tow fitting, e.g., do not lift the vehicle by the tow fitting.

Otherwise, damage to the tow fitting and the vehicle can occur.◀

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Screw thread

Press on the mark on the edge of the cover to push it out.

Tow-starting

Automatic transmission

Do not tow-start the vehicle.

Due to the automatic transmission, the engine cannot be started by tow-starting.

Have the cause of the starting difficulties remedied.

Manual transmission

If possible, do not tow-start the vehicle but start the engine by jump-starting, refer to page 194. If the vehicle is equipped with a catalytic converter, only tow-start while the engine is cold.

1. Switch on the hazard warning system and comply with local regulations.
2. Ignition, refer to page 63, on.
3. Engage third gear.
4. Have the vehicle tow-started with the clutch pedal pressed and slowly release the pedal. After the engine starts, immediately press on the clutch pedal again.
5. Stop at a suitable location, remove the tow bar or rope, and switch off the hazard warning system.
6. Have the vehicle checked.

Care

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Car washes

Hints

Steam jets or high-pressure washers

When using steam jets or high-pressure washers, hold them a sufficient distance away and use a maximum temperature of 140 °F/60 °C.

If the vehicle has a glass sunroof, ensure that a distance of at least 31.5 inches/80 cm is maintained. Holding them too close or using excessively high pressures or temperatures can cause damage or preliminary damage that may then lead to long-term damage.

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Follow the user's manual for the high-pressure washer.◀

Cleaning sensors/cameras with high-pressure washers

When using high-pressure washers, do not spray the exterior sensors and cameras, e.g., Park Distance Control, for extended periods of time and only from a distance of at least 12 in/30 cm.◀

- ▷ Regularly remove foreign items such as leaves in the area below the windshield when the hood is raised.
- ▷ Wash your vehicle frequently, particularly in winter.

Intense soiling and road salt can damage the vehicle.

Automatic car washes

Hints

- ▷ Give preference to cloth car washes or those that use soft brushes in order to avoid paint damage.
- ▷ Make sure that the wheels and tires are not damaged by the transport mechanisms.
- ▷ Fold in the exterior mirrors; otherwise, they may be damaged, depending on the width of the vehicle.
- ▷ Deactivate the rain sensor, refer to page 69, to avoid unintentional wiper activation.
- ▷ In some cases, an unintentional alarm can be triggered by the interior motion sensor of the alarm system. Follow the instructions on avoiding an unintentional alarm, refer to page 44.

Guide rails in car washes

Avoid car washes with guide rails higher than 4 in/10 cm; otherwise, the vehicle body could be damaged.◀

Before driving into a car wash

In order to ensure that the vehicle can roll in a car wash, take the following steps:

Manual transmission:

1. Drive into the car wash.
2. Shift to neutral.
3. Switch the engine off.
4. Switch on the ignition.

Automatic transmission:

1. Drive into the car wash.

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2. Engage transmission position N.
3. Switch the engine off.

   In this way, the ignition remains switched on, and a Check-Control message is displayed.

   Do not turn off the ignition in the car wash

   Do not turn off the ignition in the car wash; otherwise, the transmission position P is engaged and damages can result.◂

To start the engine:

1. Depress the brake pedal.
2. Press the Start/Stop button.

Pressing the Start/Stop button without stepping on the brake turns the ignition off.

The vehicle cannot be locked from the outside when in transmission position N. A signal is sounded when an attempt is made to lock the vehicle.

Transmission position

Transmission position P is engaged automatically:

- ▷ When the ignition is switched off.
- ▷ After approx. 15 minutes.

Headlamps

- ▷ Do not rub dry and do not use abrasive or caustic cleansers.
- ▷ Soak areas that have been soiled e.g. due to insects, with shampoo and wash off with water.
- ▷ Thaw ice with deicing spray; do not use an ice scraper.

After washing the vehicle

After washing the vehicle, apply the brakes briefly to dry them; otherwise, braking action can be reduced and corrosion of the brake discs can occur.

Completely remove all residues on the windows, to minimize loss of visibility due to smearing and to reduce wiper noises and wiper blade wear.

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Vehicle care

Car care products

BMW recommends using cleaning and care products from BMW, since these have been tested and approved.

Car care and cleaning products

Follow the instructions on the container.

When cleaning the interior, open the doors or windows.

Only use products intended for cleaning vehicles.

Cleansers can contain substances that are dangerous and harmful to your health.◂

Vehicle paint

Regular care contributes to driving safety and value retention. Environmental influences in areas with elevated air pollution or natural contaminants, such as tree resin or pollen can affect the vehicle's paintwork. Tailor the frequency and extent of your car care to these influences.

Aggressive substances, such as spilled fuel, oil, grease or bird droppings, must be removed immediately to prevent the finish from being altered or discolored.

Leather care

Remove dust from the leather often, using a cloth or vacuum cleaner.

Otherwise, particles of dust and road grime chafe in pores and folds, and lead to increased wear and premature degradation of the leather surface.

To guard against discoloration, such as from clothing, provide leather care roughly every two months.

Clean light-colored leather more frequently because soiling on such surfaces is substantially more visible.

Use leather care products; otherwise, dirt and grease will gradually break down the protective layer of the leather surface.

Suitable care products are available from the service center.

Upholstery material care

Vacuum regularly with a vacuum cleaner.

If they are very dirty, e.g., beverage stains, use a soft sponge or microfiber cloth with a suitable interior cleaner.

Clean the upholstery down to the seams using large sweeping motions. Avoid rubbing the material vigorously.

Damage from Velcro® fasteners

Open Velcro® fasteners on pants or other articles of clothing can damage the seat covers. Ensure that any Velcro® fasteners are closed.◀

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Caring for special components

Light-alloy wheels

When cleaning the vehicle, use only neutral wheel cleaners having a pH value from 5 to 9. Do not use abrasive cleaning agents or steam jets above 140 °F/60 °C. Follow the manufacturer's instructions.

Aggressive, acidic or alkaline cleaning agents can destroy the protective layer of adjacent components, such as the brake disk.

Chrome surfaces

Carefully clean components such as the radiator grille or door handles with an ample supply of water, possibly with shampoo added, particularly when they have been exposed to road salt.

Rubber components

Aside from water, treat only with rubber cleansers.

When cleaning rubber seals, do not use any silicon-containing car care products in order to avoid damage or reduced noise damping.

Fine wood parts

Clean fine wood facing and fine wood components only with a moist rag. Then dry with a soft cloth.

Plastic components

These include:

- ▷ Imitation leather surfaces.
- ▷ Headliner.
- ▷ Lamp lenses.
- ▷ Instrument cluster cover.
- ▷ Matte black spray-coated components.
- ▷ Painted parts in the interior.

Clean with a microfiber cloth.

Lightly dampen the cloth with water.

Do not soak the headliner.

Do not use cleansers that contain alcohol or solvents

Do not use cleansers that contain alcohol or solvents, such as lacquer thinners, heavy-duty grease removers, fuel, or such; this could lead to surface damage.◀

Safety belts

Dirty belt straps impede the reeling action and thus have a negative impact on safety.

Chemical cleaning

Do not clean chemically; this can destroy the webbing.◀

Use only a mild soapy solution, with the safety belts clipped into their buckles.

Do not allow the reels to retract the safety belts until they are dry.

Carpets and floor mats

No objects in the area around the pedals

Keep floor mats, carpets, and any other objects out of the area of motion of the pedals; otherwise, the function of the pedals could be impeded while driving and create the risk of an accident.

Do not place additional floor mats over existing mats or other objects.

Only use floor mats that have been approved for the vehicle and can be properly fixed in place.

Ensure that the floor mats are securely fastened again after they were removed for cleaning, for example.◀

Floor mats can be removed from the passenger compartment for cleaning.

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If the floor carpets are very dirty, clean with a microfiber cloth and water or a textile cleaner. To prevent matting of the carpet, rub back and forth in the direction of travel only.

Sensors/cameras

To clean sensors and cameras, use a cloth moistened with a small amount of glass cleaner.

Displays/screens

Clean the displays with an antistatic microfiber cloth.

Cleaning displays

Do not use chemical or household cleansers.

Keep all fluids and moisture away from the unit.

Otherwise, they could affect or damage surfaces or electrical components.

Avoid pressing too hard when cleaning and do not use abrasive materials; otherwise, damage can result.◀

Long-term vehicle storage

When the vehicle is shut down for longer than three months, special measures must be taken. Additional information is available from the service center.

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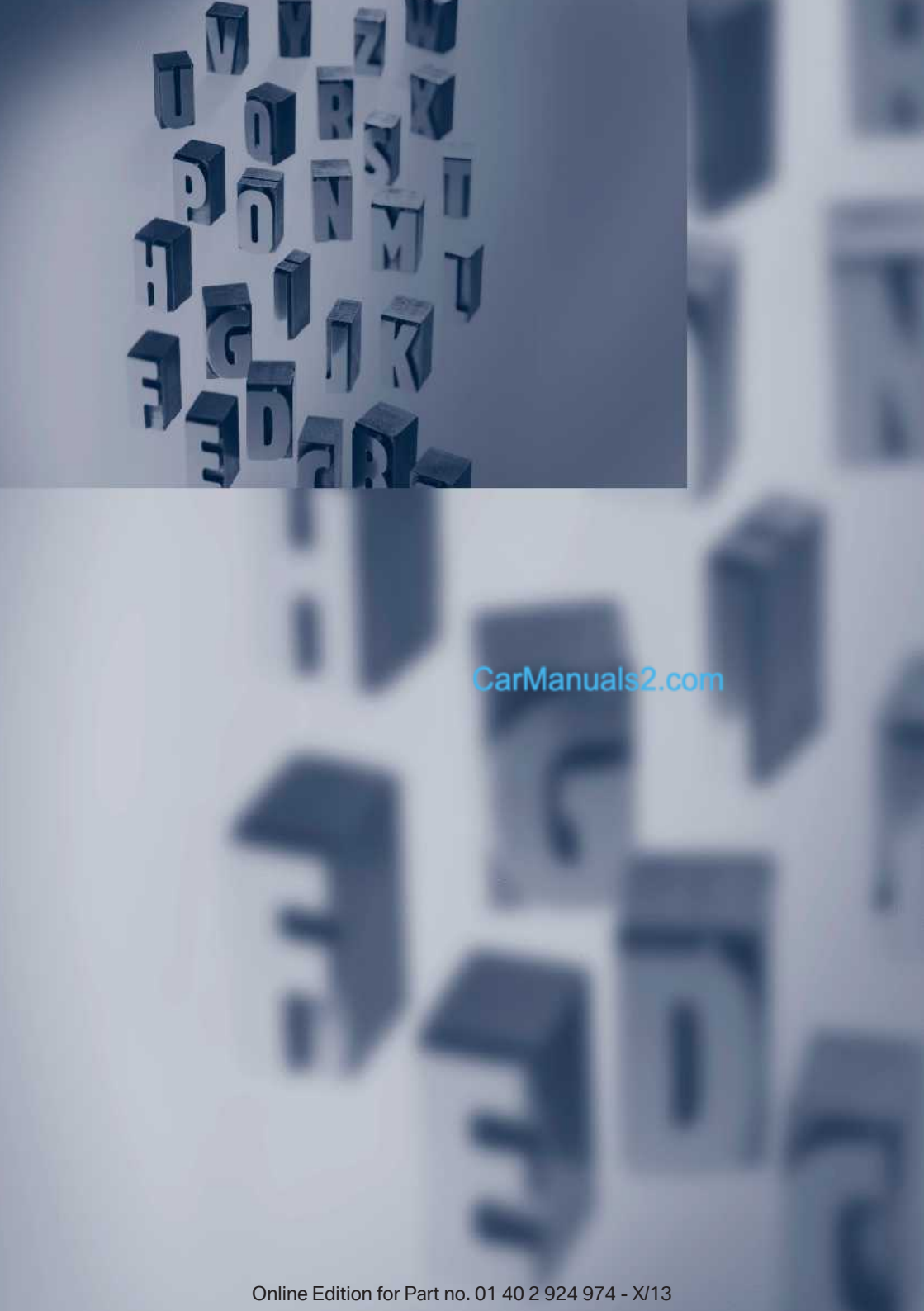

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Reference

This chapter contains the technical data and an index that will quickly take you to the information you need.

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Technical data

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equipment is also described that is not available in a vehicle, e. g., because of the selected optional equipment or country variant. This also applies for safety-related functions and systems.

Dimensions

Note

The dimensions apply to vehicles without optional equipment.

2 Series		
Width with mirrors	inches/mm	78.1/1,984
Width without mirrors	inches/mm	69.8/1,774
Height	inches/mm	55.8/1,418
M-model: height	inches/mm	55.4/1,408
Length	inches/mm	174.6/4,437
M-model: length	inches/mm	175.9/4,469
Wheel base	inches/mm	105.9/2,690
Smallest turning circle diam.	ft/m	35.8/10.9

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Weights

The values preceding the slash apply to vehicles with manual transmission; the values following the slash apply to vehicles with automatic transmission.

228i		
Approved gross vehicle weight	lbs kg	4,165/4,210 1,889/1,910
Load	lbs/kg	820/372
Approved front axle load	lbs/kg	1,985/900

228i		
Approved rear axle load	lbs/kg	2,345/1,064
Cargo area capacity	cu ft/l	13.7/390

M235i		
Approved gross vehicle weight	lbs kg	4,330/4,365 1,964/1,980
Load	lbs/kg	810/367
Approved front axle load	lbs/kg	2,135/968
Approved rear axle load	lbs/kg	2,380/1,080
Cargo area capacity	cu ft/l	13.7/390

Capacities

	US gal/liters	Notes
Fuel tank	13.7/52	Fuel quality, refer to page 164

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Everything from A to Z

Index

A

ABS, Antilock Brake System 111
Acceleration Assistant, refer to Launch Control 73
Activated-charcoal filter 132
Adaptive brake lights, refer to Brake force display 110
Adaptive Light Control 91
Additives, oil 178
Adjustments, seats/head restraints 48
After washing vehicle 200
Airbags 95
Airbags, indicator/warning light 96
Air circulation, refer to Recirculated-air mode 128, 131
Air, dehumidifying, refer to Cooling function 128, 130
Air distribution, manual 128, 131
Air flow, air conditioner 128
Air flow, automatic climate control 131
Air pressure, tires 166
Air vents, refer to Ventilation 132
Alarm system 43
Alarm, unintentional 44
All around the center console 16
All around the headliner 17
All around the steering wheel 14
All-season tires, refer to Winter tires 173
Alternating-code hand-held transmitter 135
Alternative oil types 179
Antifreeze, washer fluid 70
Antilock Brake System, ABS 111
Anti-slip control, refer to DSC 111
Approved axle load 206
Approved engine oils 178
Arrival time 86
Ash tray 138
Assistance, Roadside Assistance 194
Assistance when driving off 114
AUTO intensity 130
Automatic car wash 199
Automatic climate control 127
Automatic climate control with enhanced features 129
Automatic Curb Monitor 56
Automatic deactivation, front passenger airbags 97
Automatic headlamp control 91
Automatic locking 43
Automatic recirculated-air control 131
Automatic transmission with Steptronic 71
AUTO program, automatic climate control 130
AUTO program, climate control 128
AUTO program, intensity 130
Auto Start/Stop function 65
Average fuel consumption 86
Average speed 86
Axle loads, weights 206

B

Backrest curvature, refer to Lumbar support 50
Backrest, width 50
Band-aids, refer to First aid kit 194
Bar for tow-starting/towing 197
Battery replacement, vehicle battery 190
Battery replacement, vehicle remote control 34
Battery, vehicle 190
Belts, safety belts 52
Beverage holder, cupholder 144
BMW Assist, see user's manual for Navigation, Entertainment and Communication
BMW Homepage 6
BMW Internet page 6
BMW maintenance system 181
Bonus range, ECO PRO 156
Bottle holder, refer to Cupholder 144
Brake assistant 111
Brake discs, breaking in 148
Brake force display 110
Brake lamps, brake force display 110
Brake lights, adaptive 110
Brake pads, breaking in 148
Braking, hints 149
Breakdown assistance 193, 194
Breaking in 148
Brightness of Control Display 88

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Online Edition for Part no. 01 40 2 924 974 - X/13

Bulb replacement 183
Bulb replacement, front 184
Bulb replacement, rear 188
Bulb replacement, xenon headlamps 186
Bulbs and lamps 183
Button, Start/Stop 63
Bypassing, refer to Jump-starting 194

C

California Proposition 65 Warning 7
Camera, care 202
Camera, rearview camera 120
Can holder, refer to Cupholder 144
Car battery 190
Car care products 200
Care, displays 202
Care, vehicle 200
Cargo 151
Cargo area, enlarging 140
Cargo area lid 40
Cargo area, storage compartments 144
Cargo, securing 152
Cargo straps, securing cargo 152
Car key, refer to Remote control 34
Carpet, care 202
Car wash 199
Catalytic converter, refer to Hot exhaust system 149
CBS Condition Based Service 181
CD/Multimedia, see user's manual for Navigation, Entertainment and Communication
Center armrest 143
Center console 16
Center-Lock, see button for central locking 37
Central locking system 37
Central screen, refer to Control Display 18
Changes, technical, refer to Safety 7
Changing parts 183
Changing wheels 189
Changing wheels/tires 172
Check Control 78
Checking the oil level electronically 177
Children, seating position 59
Children, transporting safely 59
Child restraint fixing system 59
Child restraint fixing system LATCH 60
Child restraint fixing systems, mounting 59
Child seat, mounting 59
Child seats 59
Chrome parts, care 201
Cigarette lighter 138
Cleaning, displays 202
Climate control 127, 129
Clock 81
Closing/opening from inside 40
Closing/opening via door lock 39
Closing/opening with remote control 38
Clothes hooks 144
Coasting 158
Coasting with engine decoupled, coasting 158
Coasting with idling engine 158
Cockpit 14
Collision warning with City Braking function 104
Combination switch, refer to Turn signals 68
Combination switch, refer to Wiper system 68
Comfort Access 41
COMFORT program, Dynamic Driving Control 113
Compartments in the doors 143
Compass 136
Computer 85
Condensation on windows 131
Condensation under the vehicle 150
Condition Based Service CBS 181
Configuring drive program 114
Confirmation signal 42
ConnectedDrive, see user's manual for Navigation, Entertainment and Communication
ConnectedDrive Services
Connecting electrical devices 138
Control Display 18
Control Display, settings 87
Controller 18, 19
Control systems, driving stability 111
Convenient opening 38
Coolant 180
Coolant temperature 80
Cooling function 128, 130
Cooling, maximum 130
Cooling system 180
Corrosion on brake discs 150
Cruise control 115
Cruising range 81
Cupholder 144
Current fuel consumption 81

D

Damage, tires 172
Data, technical 206

CarManuals2.com

Date 81
Daytime running lights 91
Defrosting, refer to defrosting the windows 128
Defrosting, refer to Windows, defrosting 131
Defrosting the windows 128
Dehumidifying, air 128, 130
Destination distance 86
Digital clock 81
Digital compass 136
Dimensions 206
Dimmable exterior mirrors 57
Dimmable interior rearview mirror 57
Direction indicator, refer to Turn signals 68
Display lighting, refer to Instrument lighting 93
Displays 75
Displays, cleaning 202
Disposal, coolant 180
Disposal, vehicle battery 190
Distance control, refer to PDC 117
Distance to destination 86
Divided screen view, split screen 24
Door lock, refer to Remote control 34
Drive-off assistant 114
Drive-off assistant, refer to DSC 111
Driver assistance, see Intelligent Safety 103
Driving Assistant, see Intelligent Safety 103
Driving Dynamics Control 112
Driving instructions, breaking in 148
Driving mode 112
Driving notes, general 148
Driving stability control systems 111
Driving style analysis 159
Driving tips 148
DSC Dynamic Stability Control 111
DTC Dynamic Traction Control 112
Dynamic Stability Control DSC 111
Dynamic Traction Control DTC 112

E

ECO PRO 155
ECO PRO, bonus range 156
ECO PRO display 155
ECO PRO driving mode 155
ECO PRO driving style analysis 159
ECO PRO mode 155
ECO PRO Tip - driving instruction 157
EfficientDynamics 157
Electronic displays, instrument cluster 77
Electronic Stability Program ESP, refer to DSC 111
Emergency detection, remote control 35
Emergency release, door lock 39
Emergency release, fuel filler flap 162
Emergency Request 193
Emergency service, refer to Roadside Assistance 194
Emergency start function, engine start 35
Emergency unlocking, trunk lid 41
Energy Control 81
Energy recovery 82
Engine, automatic Start/Stop function 65
Engine, automatic switch-off 65
Engine compartment 175
Engine compartment, working in 175
Engine coolant 180
Engine idling when driving, coasting 158
Engine oil 177
Engine oil, adding 178
Engine oil additives 178
Engine oil change 179
Engine oil filler neck 178
Engine oil types, alternative 179
Engine oil types, approved 178
Engine start during malfunction 35
Engine start, jump-starting 194
Engine start, refer to Starting the engine 64
Engine stop 64
Entering a car wash 199
Equipment, interior 134
ESP Electronic Stability Program, refer to DSC 111
Exchanging wheels/tires 172
Exhaust system 149
Exterior mirror, automatic dimming feature 57
Exterior mirrors 56
External start 194
External temperature display 81
External temperature warning 81
Eyes for securing cargo 152

F

Failure message, refer to Check Control 78
False alarm, refer to Unintentional alarm 44
Fan, refer to Air flow 128, 131

CarManuals2.com

Fault displays, refer to Check Control 78
Filler neck for engine oil 178
Fine wood, care 201
First aid kit 194
Fitting for towing, refer to Tow fitting 197
Flat tire, changing wheels 189
Flat Tire Monitor FTM 101
Flat tire, Tire Pressure Monitor TPM 98
Flat tire, warning lamp 99, 102
Flooding 149
Floor carpet, care 202
Floor mats, care 202
Fogged up windows 128
Fold down the rear seat backrest, see Though-loading system 140
Fold-out position, windshield wipers 70
Foot brake 149
Front airbags 95
Front fog lamps 93
Front fog lamps, front, bulb replacement 187
Front lamps 184
Front passenger airbags, automatic deactivation 97
Front passenger airbags, indicator lamp 97
FTM Flat Tire Monitor 101
Fuel 164
Fuel cap 162
Fuel consumption, current 81
Fuel consumption, refer to Average fuel consumption 86
Fuel filler flap 162
Fuel gauge 80
Fuel quality 164
Fuel recommendation 164
Fuel, tank capacity 207
Fuse 191

G

Garage door opener, refer to Universal garage door opener 134
Gasoline 164
Gasoline quality 164
Gear change, automatic transmission 72
Gear shift indicator 83
General driving notes 148
Glass sunroof, powered 46
Glove compartment 142
Gross vehicle weight, approved 206

H

Halogen headlamps 184
Handbrake, refer to parking brake 67
Hand-held transmitter, alternating code 135
Hazard warning flashers 193
Head airbags 95
Headlamp control, automatic 91
Headlamp courtesy delay feature 90
Headlamp flasher 68
Headlamp glass 184
Headlamps 184
Headlamps, care 200
Headlamp washer system 68
Headliner 17
Head restraints 48
Head restraints, front 53
Head restraints, rear 54
Heavy cargo, stowing 152
High-beam Assistant 92
High beams 68
High beams/low beams, refer to High-beam Assistant 92
Hills 150
Hill start assistant, refer to Drive-off assistant 114
Hints 6
Holder for beverages 144
Homepage 6
Hood 175
Horn 14
Hotel function, trunk lid 41
Hot exhaust system 149
Hydroplaning 149

I

Ice warning, refer to External temperature warning 81
Icy roads, refer to External temperature warning 81
Identification marks, tires 170
Identification number, refer to Important features in the engine compartment 175
iDrive 18
Ignition key, refer to Remote control 34
Ignition off 63
Ignition on 63
Indication of a flat tire 99, 102
Indicator and warning lamps 78
Individual air distribution 128, 131
Individual settings, refer to Personal Profile 35
Inflation pressure, tires 166
Inflation pressure warning, tires 101
Info display, refer to Computer 85
Initialize, Tire Pressure Monitor TPM 99
Initializing, Flat Tire Monitor FTM 102
Instrument cluster 75
Instrument cluster, electronic displays 77
Instrument cluster with enhanced features 75
Instrument lighting 93

CarManuals2.com

Integrated key 34
Intelligent Emergency Request 193
Intelligent Safety 103
Intensity, AUTO program 130
Interior equipment 134
Interior lamps 94
Interior lamps via remote control 38
Interior motion sensor 44
Interior rearview mirror, automatic dimming feature 57
Interior rearview mirror, compass 136
Interior rearview mirror, manually dimmable 57
Internet page 6
Interval display, service requirements 82

J

Jacking points for the vehicle jack 190
Joystick, automatic transmission 72
Jump-starting 194

K

Key/remote control 34
Keyless Go, refer to Comfort Access 41
Key Memory, refer to Personal Profile 35
Kickdown, automatic transmission 71
Knee airbag 95

L

Lamp replacement 183
Lamp replacement, front 184
Lamp replacement, rear 188
Lamps 90
Lamps and bulbs 183
Lane departure warning 109
Lane margin, warning 109
Language on Control Display 88
Lashing eyes, securing cargo 152
LATCH child restraint fixing system 60
Launch Control 73
Leather, care 200
LEDs, light-emitting diodes 184
Letters and numbers, entering 25
Light alloy wheels, care 201
Light control 91
Light-emitting diodes, LEDs 184
Lighter 138
Lighting 90
Lighting via remote control 38
Light switch 90
Load 152
Loading 151
Lock, door 39
Locking/unlocking from inside 40
Locking/unlocking via door lock 39
Locking/unlocking with remote control 38
Locking, automatic 43
Locking, central 37
Locking, settings 42
Low beams 90
Low beams, automatic, refer to High-beam Assistant 92
Lower back support 50
Luggage rack, refer to Roof-mounted luggage rack 153
Lumbar support 50

M

Maintenance 181
Maintenance requirements 181
Maintenance, service requirements 82
Maintenance system, BMW 181
Malfunction displays, refer to Check Control 78
Manual air distribution 128, 131
Manual air flow 128, 131
Manual mode, transmission 72
Manual operation, door lock 39
Manual operation, exterior mirrors 56
Manual operation, fuel filler flap 162
Manual operation, Park Distance Control PDC 118
Manual operation, rearview camera 120
Manual transmission 71
Marking on approved tires 173
Marking, run-flat tires 174
Master key, refer to Remote control 34
Maximum cooling 130
Maximum speed, display 83
Maximum speed, winter tires 173
Measure, units of 88
Medical kit 194
Memory, seat, mirror 55
Menu, EfficientDynamics 157
Menu in instrument cluster 84
Menus, operating, iDrive 18
Menus, refer to iDrive operating concept 20
Microfilter 129, 132

CarManuals2.com

Minimum tread, tires 172
Mirror 56
Mirror memory 55
Mobile communication devices in the vehicle 149
Modifications, technical, refer to Safety 7
Moisture in headlamp 184
Monitor, refer to Control Display 18
Mounting of child restraint fixing systems 59
Multifunction steering wheel, buttons 14

N

Navigation, see user's manual for Navigation, Entertainment and Communication
Neck restraints, front, refer to Head restraints 53
Neck restraints, rear, refer to Head restraints 54
Neutral cleaner, see wheel cleaner 201
New wheels and tires 172
No Passing Information 83
Nylon rope for tow-starting/towing 197

O

OBD Onboard Diagnosis 181
OBD, see OBD Onboard Diagnosis 181
Obstacle marking, rearview camera 121
Octane rating, refer to Gasoline quality 164
Odometer 80
Office, see user's manual for Navigation, Entertainment and Communication
Oil 177
Oil, adding 178
Oil additives 178
Oil change 179
Oil change interval, service requirements 82
Oil filler neck 178
Oil types, alternative 179
Oil types, approved 178
Old batteries, disposal 190
Onboard monitor, refer to Control Display 18
Onboard vehicle tool kit 183
Opening and closing 34
Opening and closing, from inside 40
Opening and closing via door lock 39
Opening and closing, with remote control 38
Operating concept, iDrive 18
Optional equipment, standard equipment 6
Outside air, refer to Automatic recirculated-air control 131
Overheating of engine, refer to Coolant temperature 80

CarManuals2.com

P

Paint, vehicle 200
Parallel parking assistant 122
Park Distance Control PDC 117
Parked-car ventilation 132
Parked vehicle, condensation 150
Parking aid, refer to PDC 117
Parking assistant 122
Parking brake 67
Parking lamps 90
Passenger side mirror, tilting downward 56
Pathway lines, rearview camera 121
PDC Park Distance Control 117
Pedestrian warning with city braking function 107
Personal Profile 35
Pinch protection system, glass sunroof 46
Pinch protection system, windows 45
Plastic, care 201
Power failure 190
Power sunroof, glass 46
Power windows 45
Pressure, tire air pressure 166
Pressure warning, tires 101
Profile, refer to Personal Profile 35
Programmable memory buttons, iDrive 24
Protective function, glass sunroof 46
Protective function, windows 45
Push-and-turn switch, refer to Controller 18, 19

R

Radiator fluid 180
Radio-operated key, refer to Remote control 34
Radio ready state 64
Radio, see user's manual for Navigation, Entertainment and Communication
Rain sensor 69
Rear lamps 188
Rear socket 139
Rearview camera 119
Rearview mirror 56
Rear window defroster 128, 131
Recirculated-air filter 132
Recirculated-air mode 128, 131
Recommended tire brands 173

Refueling 162
Remaining range 81
Remote control/key 34
Remote control, malfunction 38
Remote control, universal 134
Replacement fuse 191
Replacing parts 183
Replacing wheels/tires 172
Reporting safety defects 9
Reserve warning, refer to Range 81
Reset, Tire Pressure Monitor TPM 99
Retaining straps, securing cargo 152
Retreaded tires 173
Roadside parking lamps 91
RON gasoline quality 164
Roof load capacity 206
Roof-mounted luggage rack 153
Rope for tow-starting/towing 197
RSC Run Flat System Component, refer to Run-flat tires 174
Rubber components, care 201
Run-flat tires 174

S

Safe braking 149
Safety 7
Safety belt reminder for driver's seat and front passenger seat 53
Safety belts 52
Safety belts, care 201
Safety systems, airbags 95
Saving fuel 154
Screen, refer to Control Display 18
Screwdriver 183
Screw thread for tow fitting 198
Seat and mirror memory 55
Seat belts, refer to Safety belts 52
Seat heating, front 52
Seating position for children 59
Seats 48
Selection list in instrument cluster 84
Selector lever, automatic transmission 72
Sensors, care 202
Service and warranty 8
Service requirements, Condition Based Service CBS 181
Service requirements, display 82
Service, Roadside Assistance 194
Services, ConnectedDrive
Settings, locking/unlocking 42
Settings on Control Display 87
Settings, storing for seat, mirror 55
Shifting, automatic transmission 71
Shifting, manual transmission 71
Shift paddles on steering wheel 73
Side airbags 95
Signaling, horn 14
Signals when unlocking 42
Sitting safely 48
Size 206
Slide/tilt glass roof 46
Snow chains 174
Socket 138
Socket, OBD Onboard Diagnostics 181
SOS button 193
Spare fuse 191
Specified engine oil types 178
Speed, average 86
Speed limit detection, onboard computer 86
Speed limiter, display 83
Speed Limit Information 83
Speed limit in the computer 86
Split screen 24
SPORT+ - program, Dynamic Driving Control 113
Sport automatic transmission 73
Sport displays, torque display, performance display 87
SPORT program, Dynamic Driving Control 113
Sport program, transmission 72
Sport steering, variable 112
Stability control systems 111
Start/stop, automatic function 65
Start/Stop button 63
Start function during malfunction 35
Starting the engine 64
Status display, tires 98
Status information, iDrive 23
Status of Owner's Manual 6
Steering wheel, adjusting 57
Steering wheel heating 58
Steptronic, automatic transmission 71
Stopping the engine 64
Storage compartment in the rear 143
Storage compartments 142
Storage compartments, locations 142
Storage, tires 173
Storing the vehicle 202
Summer tires, tread 171

CarManuals2.com

Supplementary text messages 79
Switch for Dynamic Driving 112
Switch-on times, parked-car ventilation 133
Switch, refer to Cockpit 14
Symbols 6
Symbols in the status field 23

T

Tachometer 80
Tailgate 40
Tailgate via remote control 38
Tail lamps 188
Technical changes, refer to Safety 7
Technical data 206
Telephone, see user's manual for Navigation, Entertainment and Communication
Temperature, automatic climate control 128, 130
Temperature display, external temperature 81
Terminal, starting aid 195
Text messages, supplementary 79
Theft alarm system, refer to Alarm system 43
Theft protection, refer to Central locking system 37
Thigh support 50
Through-loading system 140
Tilt alarm sensor 44
Time of arrival 86
Tire damage 172
Tire identification marks 170
Tire inflation pressure 166
Tire inflation pressure monitor, refer to FTM 101
Tire Pressure Monitor TPM 98
Tires, changing 172
Tires, everything on wheels and tires 166
Tires, run-flat tires 174
Tire tread 171
Tone, see user's manual for Navigation, Entertainment and Communication
Tools 183
Total vehicle weight 206
Touchpad 21
Tow fitting 197
Towing 196
Tow-starting 196
Tow truck 197
TPM Tire Pressure Monitor 98
Traction control 112
TRACTION program, Dynamic Driving Control 112
Transmission, automatic 71
Transmission, manual 71
Transporting children safely 59
Tread, tires 171
Trip computer 87
Triple turn signal activation 68
Trip odometer 80
Truck for tow-starting/towing 197
Trunk lid 40
Trunk lid, emergency unlocking 41
Trunk lid, hotel function 41
Trunk lid via remote control 38
Turning circle lines, rearview camera 121
Turn signals, operation 68
Turn signals, rear, bulb replacement 188

U

Unintentional alarm 44
Units of measure 88
Universal remote control 134
Unlock button, automatic transmission 72
Unlocking/locking from inside 40
Unlocking/locking via door lock 39
Unlocking/locking with remote control 38
Unlocking, settings 42
Updates made after the editorial deadline 6
Upholstery care 201
USB interface 139

V

Variable sport steering 112
Vehicle battery 190
Vehicle battery, replacing 190
Vehicle, breaking in 148
Vehicle care 200
Vehicle equipment 6
Vehicle identification number, refer to Identification number in the engine compartment 175
Vehicle jack 190
Vehicle paint 200
Vehicle storage 202
Vehicle wash 199
Ventilation 132
Ventilation, refer to Parked-car ventilation 132
Voice activation system 26

W

Warning indicators 78
Warning lamps 78
Warning messages, refer to Check Control 78
Warning triangle 194
Washer fluid 70

CarManuals2.com

Washer nozzles, windshield 70
Washer system 68
Washing, vehicle 199
Water on roads 149
Weights 206
Welcome lamps 90
Wheel cleaner 201
Wheels, changing 172
Wheels, everything on wheels and tires 166
Wheels, Flat Tire Monitor FTM 101
Wheels, Tire Pressure Monitor TPM 98
Window defroster, rear 128, 131
Windows, powered 45
Windshield washer fluid 70
Windshield washer nozzles 70
Windshield washer system 68
Windshield wiper 68
Windshield wipers, fold-out position 70
Winter storage, care 202
Winter tires, suitable tires 173
Winter tires, tread 171
Wiper blades, replacing 183
Wiper fluid 70
Wiper system 68
Wood, care 201
Word match concept, navigation 25
Wrench 183

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X

Xenon headlamps, bulb replacement 186

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