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A-Z

BMW M



The Ultimate
Driving Machine



THE BMW M4 CONVERTIBLE.

OWNER'S MANUAL.

M4 **Owner's Manual for Vehicle**

Thank you for choosing a BMW M4.

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 M4. 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 M4. The manual also contains information designed to enhance operating reliability and road safety, and to contribute to maintaining the value of your BMW M4.

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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ADDENDUM TO BMW M4 OWNER'S MANUAL 1402928935

We wanted to provide you with some updates and clarifications with respect to the printed BMW Owner's Manual. These updates and clarifications will supersede the materials contained in that document.

1. Where the terms "service center," "the service center," "your service center," "service specialist," or "service" are used in the Owner's Manual, we wanted to clarify that the terms refer to a BMW dealer's service center or another service center or repair shop that employs trained personnel that can perform maintenance and repair work on your vehicle in accordance with BMW specifications.
2. Where the text of the Owner's Manual contains an affirmative instruction to contact a "service center" or "your service center," we wanted to clarify that BMW recommends that, if you are faced with one of the situations addressed by that text, you contact or seek the assistance of a BMW dealer's service center or another service center or repair shop that employs trained personnel that can perform maintenance and repair work on your vehicle in accordance with BMW specifications.

While BMW of North America LLC, at no cost to you, will pay for repairs required by the limited warranties provided with respect to your

vehicle and for maintenance under the Maintenance Program during the applicable warranty and maintenance coverage periods, you are free to elect, both during those periods and thereafter, to have maintenance and repair work provided by other service centers or repair shops.

3. Where the Owner's Manual makes reference to parts and accessories having been approved by BMW, those references are intended to reflect that those parts and accessories are recommended by BMW of North America LLC. You may elect to use other parts and accessories, but, if you do, we recommend that you make sure that any such parts and/or accessories are appropriate for use on your vehicle.
4. At page 7, under the warranty section's discussion of homologation, where it states that you "cannot lodge warranty claims for your vehicle there," the text should read that you "may not be able to lodge warranty claims for your vehicle there."
5. At page 7, under the "Parts and accessories" section, in the sixth sentence, the word "cannot" should read "does not."
6. At page 54, in the "Checking and replacing safety belts" section, the

text beginning, "Have the work performed only by your service center . . ." should be disregarded and the following text should be read in lieu thereof: "BMW recommends having this work performed by a service center as it is important that this safety feature functions properly."

7. At page 90, under the heading: "Special windshield," the paragraph beginning, "Therefore, have the special windshield . . ." should be disregarded and the following text should be read in lieu thereof: "BMW recommends that you have the special windshield replaced by the service center."
8. At page 100, under the heading: "Hints," the sentence beginning, "Only have the airbags checked . . ." should be disregarded and the following language should be read in lieu thereof: "The manufacturer of your vehicle strongly suggests that you have airbags checked, repaired or dismantled and the system scrapped by your service center or an authorized repair shop for handling explosives."
9. At page 100, in the "Triggered rollover protection system" section, the sentence beginning, "Have this work performed only by our service center . . ." should be disregarded and the following text should be read in lieu thereof: "BMW recommends having this work performed by a service center as it is important that this safety feature functions properly."
10. At page 156 under the heading: "Objects within the range of movement of the pedals" and at page 206 under the heading: "Carpets and floor mats," the paragraph that begins: "Only use floor mats . . ." should be disregarded and the following language should be read in lieu thereof: "The manufacturer of your vehicle recommends that you use floor mats that have been identified by it as appropriate for use in your vehicle and that can be properly fixed in place."
11. At page 170, under the heading "Pressure specifications," the sentence beginning, "Pressure specifications apply to approved tire sizes . . ." should be disregarded.
12. At page 174, under the heading: "Mounting," the paragraph beginning, "Have mounting and balancing . . ." should be disregarded and the following text should be read in lieu thereof: "BMW recommends that you have mounting and balancing performed by your service center or a tire mounting specialist."
13. At page 174, under the heading: "Approved wheels and tires," the term "Approved" should be disregarded and in lieu thereof, the term "Recommended" should be read in its place. In addition, the text of that section should be disregarded and the following text should be read in lieu thereof:

The manufacturer of your vehicle strongly suggests that you use wheels and tires that have been recommended by the vehicle manufacturer for your vehicle type; otherwise, 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 does not evaluate non-recommended wheels and tires to determine if they are suitable for use on your vehicle.

14. At page 179, under the heading: "Fine-link snow chains," the text should be disregarded and the following text should be read in lieu thereof:

Only certain types of fine-link snow chains have been tested by the manufacturer of your vehicle and are determined by the manufacturer of your vehicle to be road safe and are recommended by the manufacturer of your vehicle.

Information about recommended snow chains is available from a service center.

15. At page 181, under the heading "Hood," the sentence beginning, "If you are unfamiliar" should be disregarded.
16. At page 184, under the heading: "Approved oil types," the references to "Approved" should be read as "Suitable." The references to

"Specification" should be read as "Rating." Where it reads: You can add oils with the following specifications," that text should be disregarded, and the following text read in lieu thereof: "Add engine oils that meet the following oil rating standards: . . ."

17. At page 184, under the heading: "Alternative oil types," the text preceding the chart should be disregarded, and in lieu thereof should be read as follows: "If an engine oil suitable for continuous use is not available, up to 1 US quart/liter of an engine oil with the following oil rating can be added: . . ." The references to "Specification" should be read as "Rating."

18. At page 184, under the heading: "Engine oil change," the text should be disregarded and in lieu thereof should be read as follows:

BMW recommends that you have the oil changed at your BMW dealer's service center or at another service center that has trained personnel that can perform the work in accordance with BMW specifications

19. At page 187, under the heading: "Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models," the second paragraph should be disregarded and the following text read in lieu thereof:

The manufacturer of your vehicle recommends that you have maintenance and repair performed by your BMW dealer's service center or another service center or repair shop that employs trained personnel that can perform maintenance and repair work on your vehicle in accordance with BMW specifications. The manufacturer of your vehicle recommends that you maintain records of all maintenance and repair work performed on your vehicle.

damaged and systems or functions may not be fully available.

After a battery replacement, the manufacturer of your vehicle recommends that you have the battery registered on your vehicle by a 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.

20. At page 190, where it reads: "Do not perform work/bulb replacement on xenon headlamps," that text should be disregarded and in lieu thereof the following text should be read: "Xenon headlamp work or replacement can cause serious and fatal injuries." In the text that follows, where it reads: "[h]ave any work on the xenon lighting system . . .," the following words should be read as preceding that passage: "It is strongly suggested that you . . ."

21. At page 194 and page 195, under the "Battery replacement" section, the text should be disregarded and in lieu thereof the following text should be read:

Use of recommended vehicle batteries

The manufacturer of your vehicle recommends that you use vehicle batteries that it has tested and recommends for use in your vehicle; otherwise the vehicle could be

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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.

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: www.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 control elements 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-

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.

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.

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 seri-

ous 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, including 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 wit-

ness 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.

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 ve-

hicle 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.

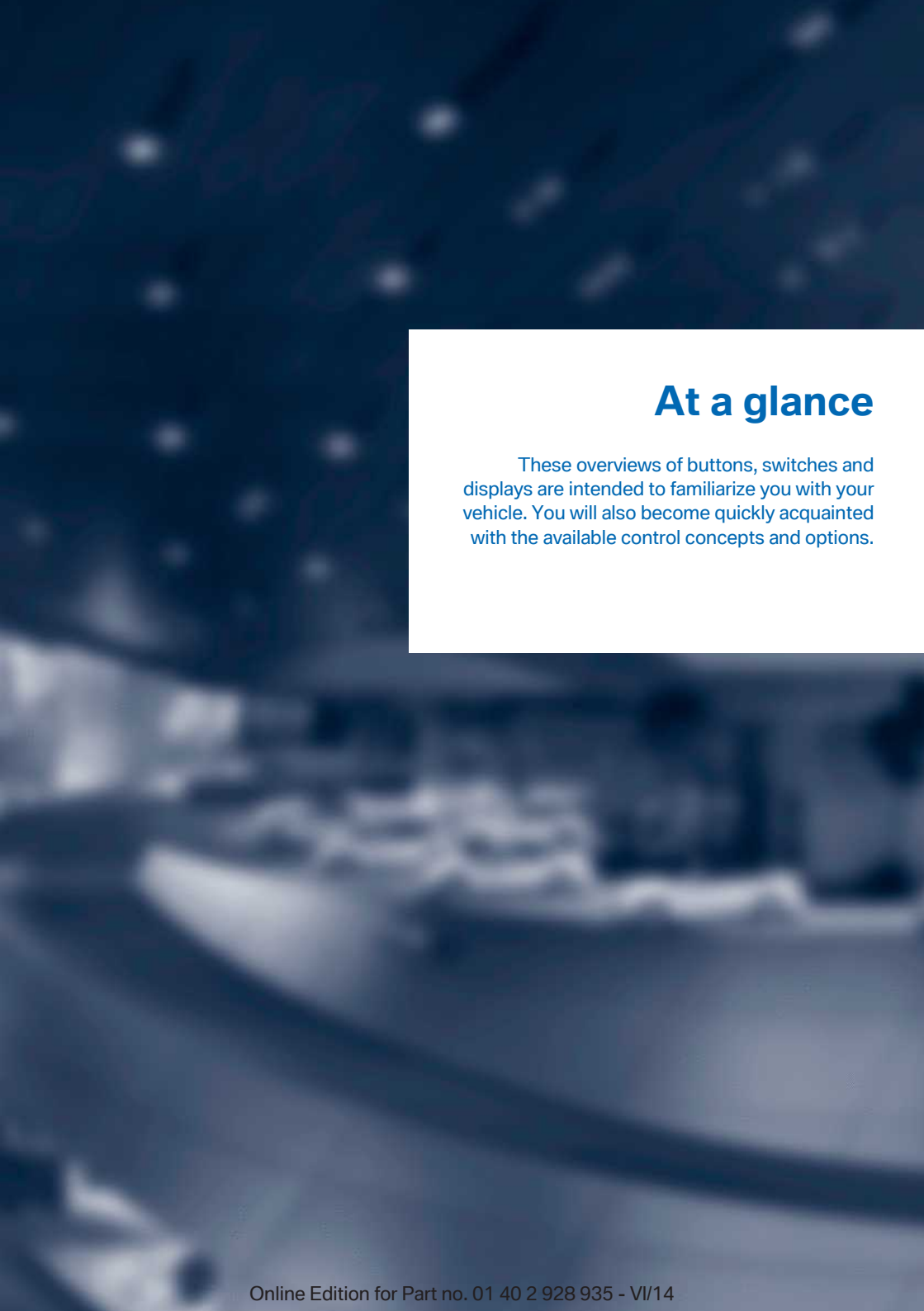
However, NHTSA cannot become involved in individual problems between you, your dealer, or BMW of North America, LLC.

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>.





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.

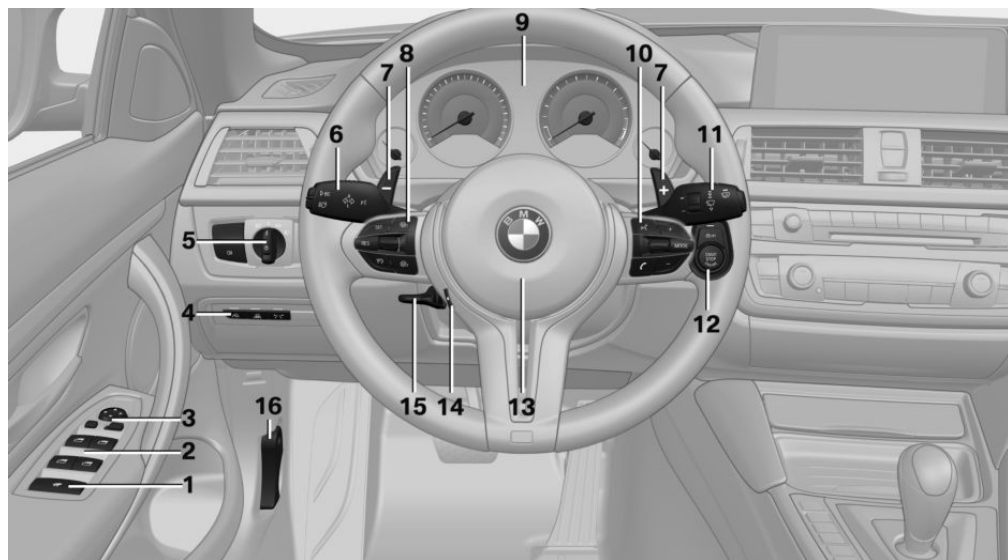
Cockpit

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equip-

ment 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.

All around the steering wheel



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Entertainment source



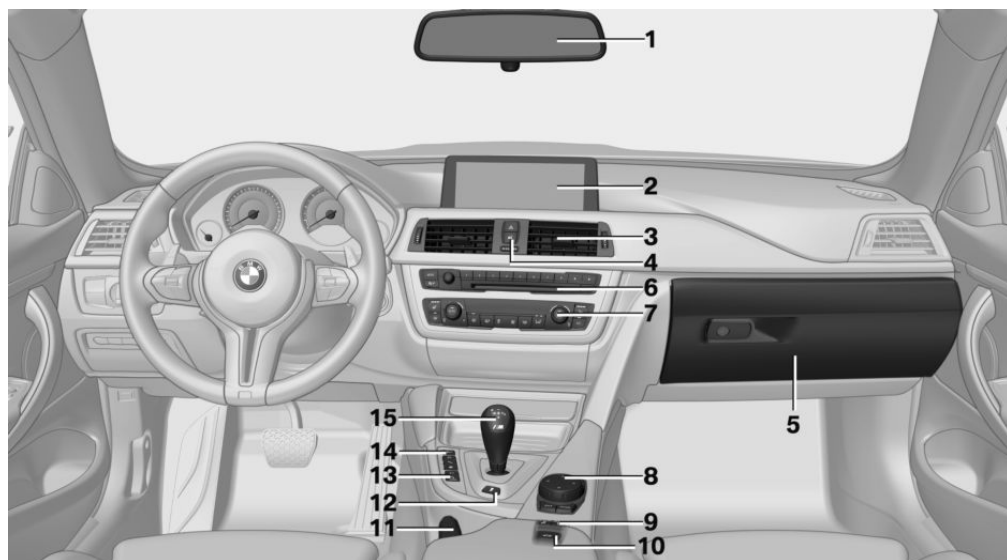
Volume

Voice activation [25](#)

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

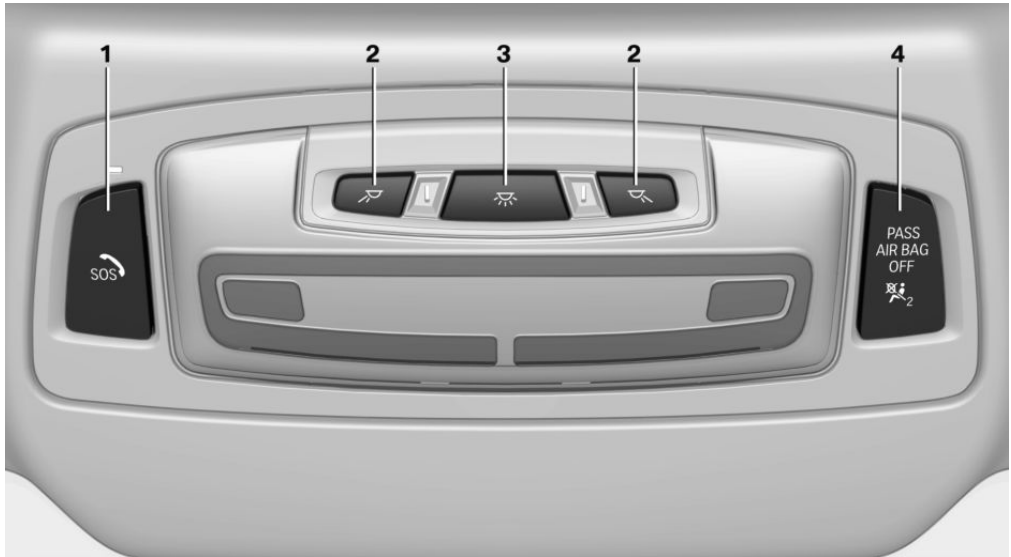
Thumbwheel for selection lists [85](#)**11 Steering column stalk, right**Windshield wipers [67](#)Rain sensor [68](#)Clean the windshields and headlamps [69](#)**12 START STOP ENGINE** Start/stop the engine and switch the ignition on/off [63](#)Auto Start/Stop function [64](#)**13 Horn****14** Steering wheel heating [57](#)**15 Adjust steering wheel [57](#)****16 Unlock hood [181](#)**

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All around the headliner



- | | | | | | |
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| 2 |  | Reading lamps 95 | 4 |  | Indicator lamp, front passenger
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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. ◀

Controls at a glance

Control elements



- 1 Control Display
- 2 Controller with buttons and, depending on the equipment version, with touchpad

Control Display

Hints

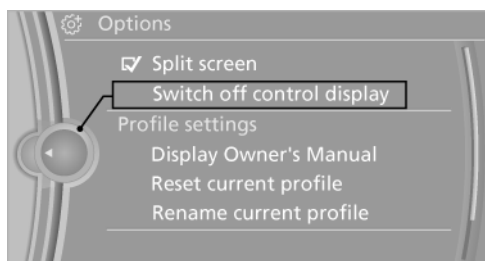
- ▶ To clean the Control Display, follow the care instructions.
- ▶ Do not place objects close to the Control Display; otherwise, the Control Display can be damaged.

Switching on

1. Switch on the ignition.
2. Press the controller.

Switching off

1.  Press the button.
2. "Turn off control display"

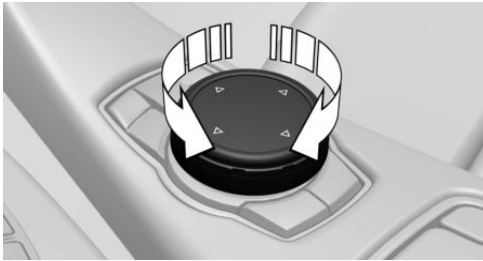


Controller with navigation system

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.

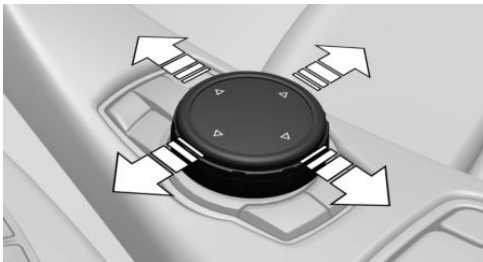
1. Turn.



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 Multimedia menu.
NAV	Opens the Navigation menu.

Press the button

Function

TEL

Opens the Telephone menu.

BACK

Displays the previous panel.

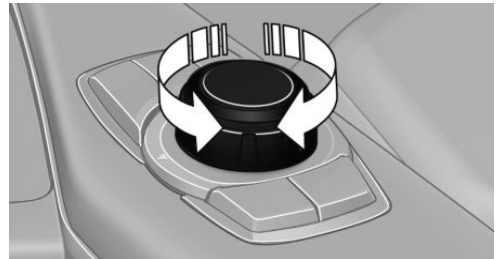
OPTION

Opens the Options menu.

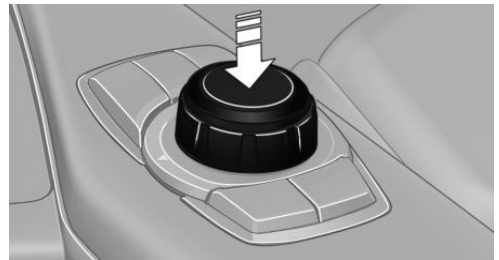
Controller without navigation system

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

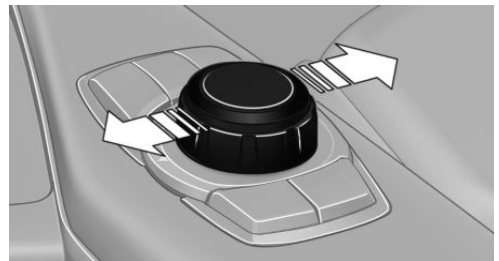
1. Turn.



2. Press.



3. Move in two directions.



Buttons on controller

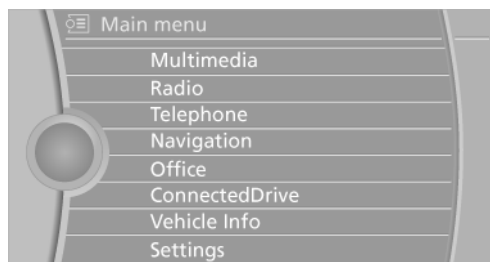
Press the button	Function
MENU	Open the main menu.
Audio	Open audio menu last listened to, switch between audio menus.
TEL	Opens the Telephone menu.
BACK	Open previous panel.
OPTION	Opens the Options menu.

Operating concept

Opening the main menu



Press the button.



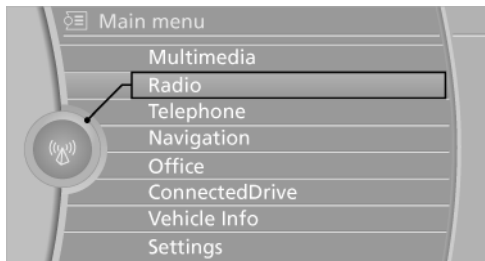
The main menu is displayed.

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.



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.

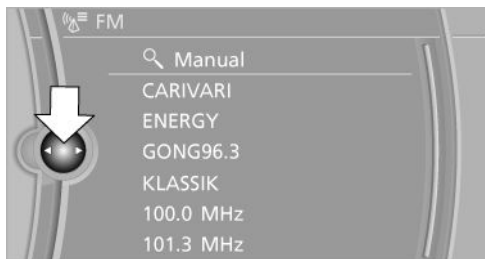
- Move the controller to the left.

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:

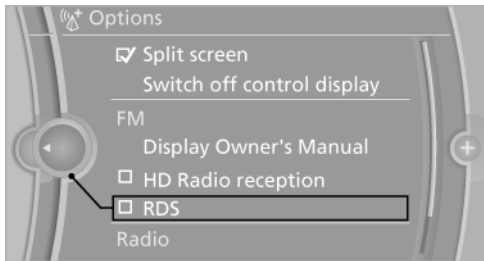
- Move the controller to the left repeatedly until the first panel is displayed.
- Press the menu button on the controller twice.

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

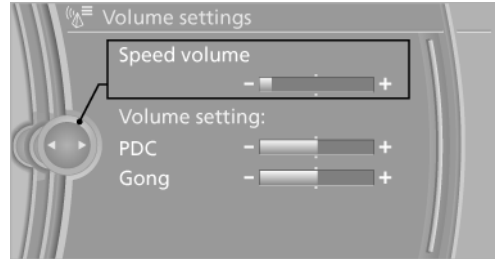
The "Options" menu consists of various areas:

- 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 check-box. 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

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 23, 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.

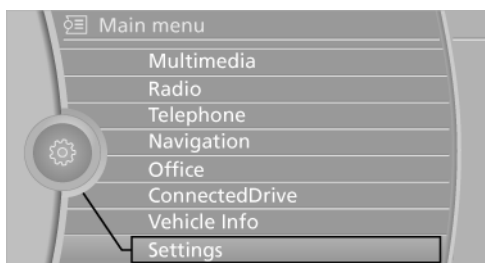
Changing settings

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.

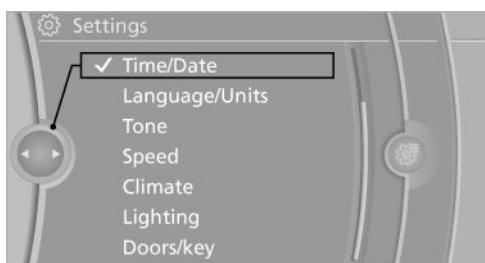
Example: setting the clock

Setting the clock

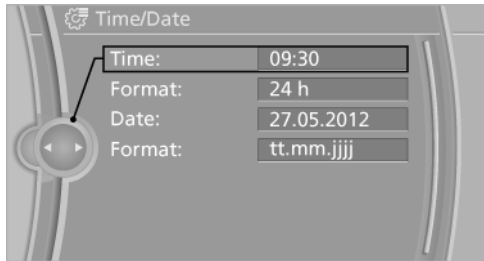
1.  Press the button. The main menu is displayed.
2. Turn the controller until "Settings" is highlighted, and then press the controller.



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.



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



- Turn the controller to set the hours and press the controller.
- 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
	HD radio station is being received.
	Satellite radio is switched on.

Telephone symbols

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® 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 computer.

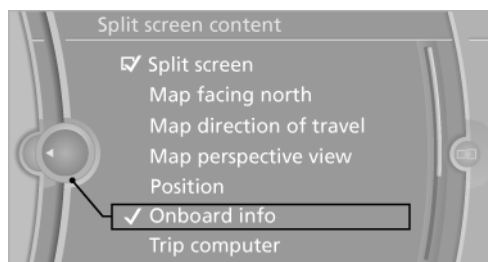
In the divided screen view, the so-called split screen, this information remains visible even when you change to another menu.

Switching the split screen on and off

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

Selecting the display

1.  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 destina-

tions, 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.  Press the desired button for more than 2 seconds.

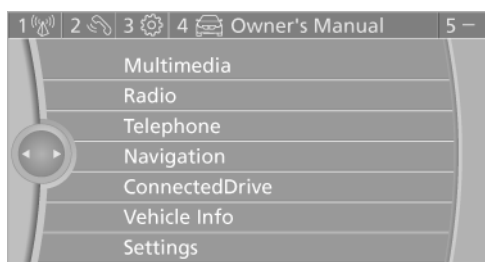
Running a function

1.  Press the button.
2. 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.
- ▷ 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"

Deleting personal in the vehicle

The concept

Depending on the usage, the vehicle saves personal data, such as stored radio stations. These personal data can be permanently deleted through iDrive.

General information

Depending on the equipment package, the following data can be deleted:

- Personal Profile settings.
- Stored radio stations.
- Stored Favorites buttons.
- Travel and computer information.
- Music collection.
- Navigation, e.g. stored destinations.
- Phone book.
- Online data, e.g. Favorites, cookies.
- Voice notes
- Login accounts.
- RemoteApp smartphone tethering.

Altogether, the deletion of the data can take up to 30 minutes.

Functional requirement

Data can only be deleted while stationary.

Deleting data

Heed and follow the instructions on the Control Display.

1. Switch on the ignition.
2. "Settings"

3. Open "Options".
4. "Delete all personal data"
5. "Continue"
6. "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
	Press the controller: delete the letter or number.
	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
A^BC	Enter the letters.
1@+	Enter the numbers.
abc or ABC	Move the controller up.

Without navigation system

@^A A^a 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.

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 89.

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.

A command that is recognized by the voice activation system is announced and 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 ›Cancel‹.

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: ›Voice commands‹

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 with voice activation: information about the principle of operation for the voice activation system is announced.

One example: open the tone settings

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. ›Radio‹
4. ›Tone‹

Via short command

The desired tone settings can also be started via a short command.

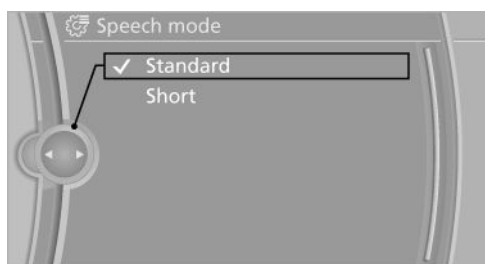
1. Switch on the Entertainment sound output if necessary.
2.  Press the button on the steering wheel.
3. ›Tone‹

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 197, 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 sun-roof closed to prevent noise interference.
- Avoid making other noise in the vehicle while speaking.

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

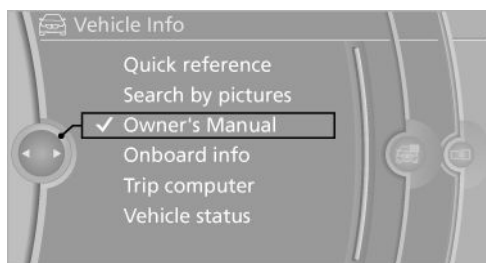
Information and descriptions based on illustrations can be searched via search by pictures. This is helpful, for example, if the description of an outfitting package that cannot be named is needed.

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"



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.  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.  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.  Press the button again to return to the function displayed last.
5.  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.

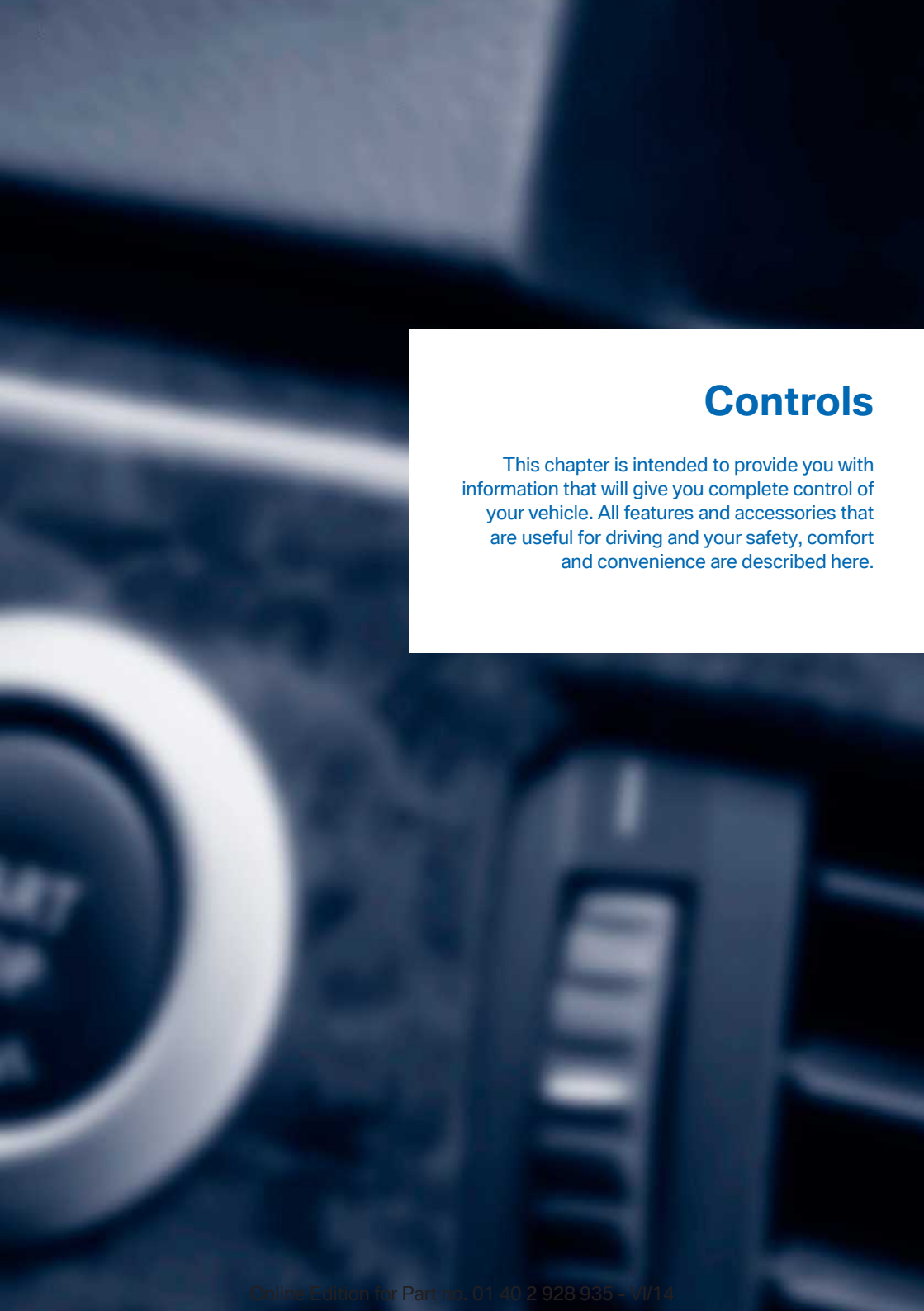
Storing

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

Executing

-  Press the button.
The Owner's Manual is displayed immediately.





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.

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

General information

The vehicle is supplied with two remote controls with integrated keys.

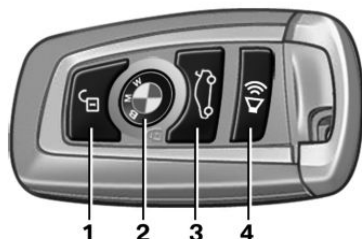
Every remote control contains a replaceable battery.

Depending on the equipment package and country-specific variant, the functions of the keys can be set. Settings, refer to page 40.

For every remote control, personal settings are stored in the vehicle. Personal Profile, refer to page 33.

Information on the required maintenance is stored in the remote controls. Service data in the remote control, refer to page 187.

At a glance

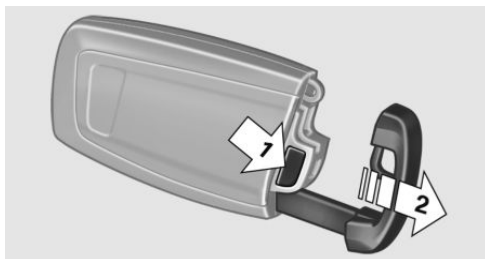


- 1 Unlocking
- 2 Locking

3 Unlocking the trunk lid

4 Panic mode

Integrated key

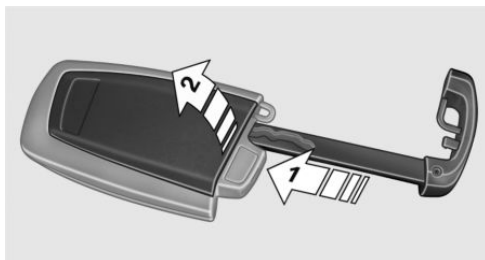


Press the button on the back of the remote control, arrow 1, and pull out the key, arrow 2.

The integrated key fits the following locks:

- ▷ Driver's door.

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.



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, e.g. by radio masts.
- ▷ 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



Double-clutch 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

Individual settings in the vehicle are saved in personal profiles. Every remote control is assigned a profile.

Three personal profiles and a guest profile can be created.

- ▷ Changes to the settings are automatically saved in the profile currently activated.
- ▷ During unlocking, the profile stored for the remote control is activated.
- ▷ Your personal settings will be recognized and called up again even if the vehicle has been operated in the meantime with another remote control.

Adjusting

The following settings are stored in a profile.

- ▷ Radio: stored stations, station listened to last.
- ▷ Assignment of the programmable memory buttons.
- ▷ Tone settings.
- ▷ Audio source listened to last.
- ▷ Unlocking the vehicle: driver door or entire vehicle.
- ▷ Locking the vehicle: if no door is open or after starting off.
- ▷ Welcome lamps: on/off.

- ▷ Triple turn signal activation: on/off.
- ▷ Headlamp courtesy delay feature: time setting.
- ▷ Language on the Control Display.
- ▷ Units for temperature, distance and fuel consumption.
- ▷ Display brightness.
- ▷ Daytime running lights: on/off.
Country-specific selection not possible in every case.
- ▷ Automatic climate control/Automatic climate control with enhanced features: settings.
- ▷ Navigation: map views, route criteria, voice output on/off.
- ▷ Park Distance Control PDC: signal tone volume.
- ▷ Rearview camera: selection of functions and type of display.
- ▷ Side view: display type.
- ▷ Head-up Display: selection, brightness, position and rotation of the display.
- ▷ Exterior mirror position.
- ▷ Driver's seat position: automatically retrieved after unlocking.
- ▷ Front-end collision warning: warning time.
- ▷ Lane departure warning: last setting, on/off.
- ▷ Active Blind Spot Detection: last setting, on/off.

Profile management

Opening the profiles

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

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"
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"
3. Open "Options".
4. "Reset current profile"

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. The saved profiles can be taken with you to another vehicle equipped with the Personal Profile function.

The following export options are available:

- ▷ BMW Online.
- ▷ Via the USB port to a USB device.

Popular file systems for USB devices are supported. FAT32 and exFAT are the recommended formats for profile export. Other formats may not support the export.

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

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"

Using the guest profile

The guest profile can be used to make individual settings that are saved in none of 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"
3. Open "Guest".

The guest profile cannot be renamed. It is not assigned to the current remote control.

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"

Using the remote control

Note



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 40.

The alarm system, refer to page 41, is disarmed.

Convenient opening



Press and hold the button on the remote control.

The windows are completely open.

With Comfort Access, the remote control can be used to open the hardtop when in the vicinity of the vehicle.



Press and hold the button on the remote control until the hardtop is fully opened and the hardtop well storage cover is fully closed.



Danger of pinching

Monitor the opening process to ensure that no one becomes trapped; otherwise, injuries may result. ◀

Releasing the button stops the motion.

Leaving the vicinity of the vehicle 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. ◀

The alarm system, refer to page 41, is armed.

Convenient closing

With Comfort Access, the hardtop and the window can be closed in the vicinity of the vehicle.



Hold down the remote control button until the closing operation is completed.

Releasing the button or leaving the vicinity of the vehicle stops the motion.



Monitor the closing process

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

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 the vehicle being locked, the interior motion sensor and tilt alarm sensor of the anti-theft warning system, refer to page 42, are switched off. After locking, wait 10 seconds before pressing the button again.

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.

Unlocking the trunk lid



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

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

Depending on the version and the country variant, it is possible to set whether the doors are also unlocked. Create the settings, refer to page 40.

If the doors were not unlocked, the trunk lid is locked again as soon as it closes.



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

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.

In this case, lock/unlock the vehicle without the remote control, refer to page 37.

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.

Without remote control

From the outside



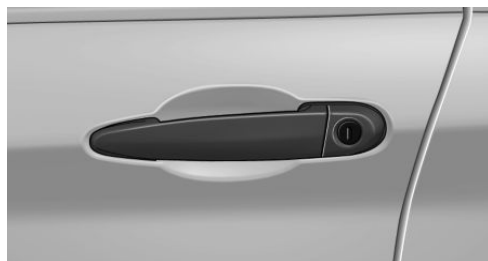
Locking from the outside

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. ◀



Remove the key before pulling the door handle

Before pulling the outside door handle, remove the key to avoid damaging the paintwork and the key. ◀



Unlock or lock the driver's door via the door lock using the integrated key. The other doors must be unlocked or locked from the inside.

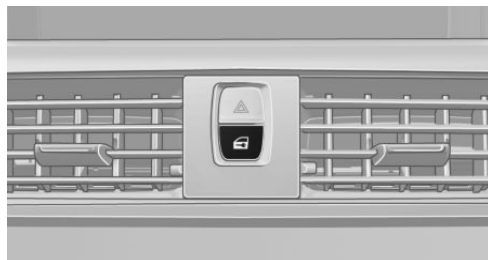
Alarm system

The alarm system is not armed if the vehicle is locked with the integrated key.

The alarm system is triggered when the door is opened, if the vehicle was 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.

From the inside

Locking and unlocking



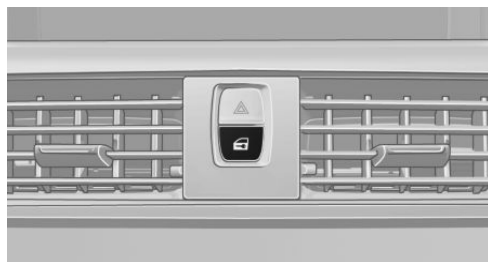
Pressing the central locking system button locks or unlocks the vehicle with the doors closed.

The vehicle is not secured against theft when locking.

The fuel filler flap remains unlocked.

In the event of an accident of corresponding severity, the vehicle is automatically unlocked. The hazard warning system and interior lamps come on.

Unlocking and opening



Press the central locking system button to unlock the doors together, and then pull the door handle above the armrest.

- ▶ On the door to be opened, pull the door handle twice: the first time unlocks the door, the second time opens it. The other doors remain locked.

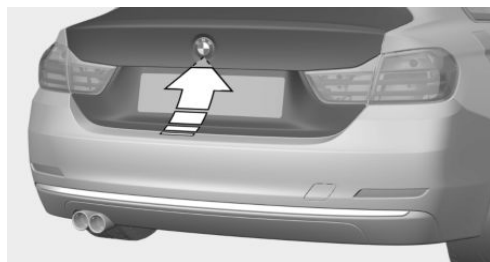
Trunk lid

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.

As the case may be, the doors are also unlocked. Unlocking with the remote control, refer to page 36.

The trunk lid is unlocked and can be swung upward.

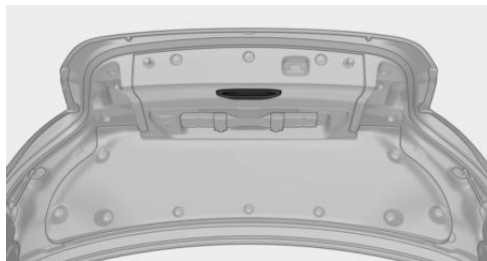
Opening from the inside



With the vehicle stationary, press the button in the driver's footwell.

The trunk lid is unlocked and opens slightly.

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. ◀

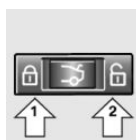


Do not place the remote control in the cargo area

Take the remote control with you and do not leave it in the cargo area; otherwise, the remote 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, such as in your pants pocket.

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

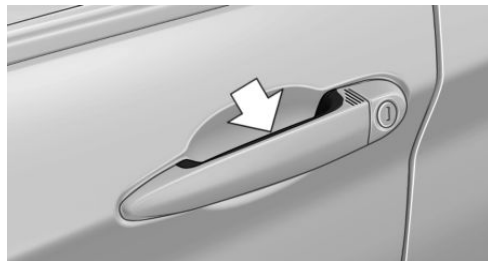
Comfort Access supports the following functions:

- 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.

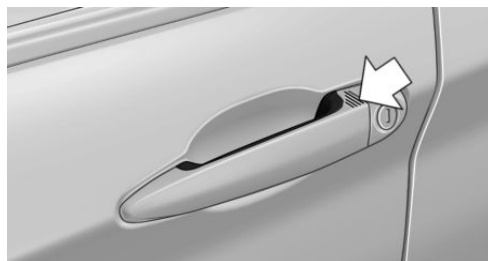
Unlocking



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

This corresponds to pressing the  button on the remote control.

Locking



Touch the surface on the door handle, arrow, with your finger for approx. 1 second without grasping the door handle.

This corresponds to pressing the  button on the remote control.

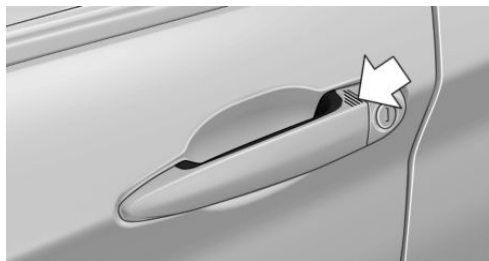
To save battery power, ensure that the ignition and all electronic systems and/or power consumers are switched off before locking the vehicle.

Convenient closing



Monitor the closing process

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



Touch the surface on the door handle, arrow, with your finger and hold it there without grasping the door handle.

This corresponds to pressing and holding  the remote control button.

In addition to locking, windows and the hard-top close and the exterior mirrors fold in.

Press the area, arrow, and hold until the hard-top is fully closed.

Separately unlocking the trunk lid

Press the button on the exterior of the trunk lid.

This corresponds to pressing  the remote control button.

The situation of the doors does not change.

 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.

Adjusting

Unlocking

The settings are saved in the active profile, refer to page 33.

Doors

1. "Settings"
2. "Doors/key"
3.  Select the symbol.
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.

Trunk lid

Depending on the equipment version and country variant, this setting is not offered in some cases.

1. "Settings"
2. "Doors/key"
3.  Select the symbol.
4. Select the desired function:
 - ▷ "Tailgate"

The trunk lid unlocks.
 - ▷ "Tailgate + door(s)"

The trunk lid and the doors are unlocked.

Confirmation signals from the vehicle

The settings are saved in the active profile, refer to page 33.

1. "Settings"
2. "Doors/key"
3. Deactivate or activate the desired confirmation signals.

- ▷ "Acoustic sig. lock/unlock"
- ▷ "Flash when lock/unlock"

Automatic locking

The settings are saved in the active profile, refer to page 33.

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.



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.

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

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.

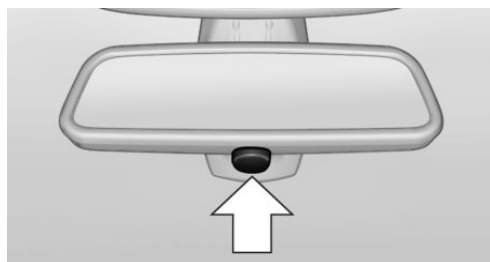
To switch off the alarm: press any button.

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 interior is monitored to the height of the seat cushions. The alarm system is armed together with the interior motion sensor even when the hardtop is open. Falling objects such as leaves can trigger the alarm unintentionally.

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 individually

- ▶  Press the switch to the resistance point.
- The window opens while the switch is held.
- ▶  Press the switch beyond the resistance point.
- The window opens automatically.

Pressing the switch again stops the motion.

Convenient opening, refer to page 35, via the remote control.

Opening together

- ▶  Press the switch to the resistance point.
- All windows open while the switch is being held.
- ▶  Press the switch beyond the resistance point.
- All windows open automatically.
- Pressing again stops the motion.

Closing individually

-  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 again stops the motion.

Convenient closing, refer to page 36, via the remote control.

Closing by means of Comfort Access, refer to page 39.

Closing together

- ▶  Pull the switch to the resistance point.
- All windows are closed while the switch is being held.
- ▶  Pull the switch beyond the resistance point.
- All windows are automatically closed.
- Pressing the switch stops the motion.

Pinch protection system

-  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. ◀

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

The window reopens slightly.

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.

Hardtop

General information

The hardtop can be opened and closed at walking speed.

If the vehicle is accelerated while the hardtop is in motion, the movement is stopped.

Hints

- ▶ If the hardtop is not completely opened and closed, the trunk lid cannot be opened if it would bump against the hardtop.
- ▶ If possible, close the hardtop when the vehicle is parked. A closed hardtop protects it from weather-related damage and from theft.
- ▶ It is not possible to start the engine and operate the hardtop simultaneously. When the engine is started using the Start/Stop button or using the Auto Start/Stop function, the hardtop movement is briefly interrupted.

At a glance



Hardtop switch

Functional requirements

The ignition or radio ready state must be switched on.

The following requirements must be fulfilled in order to be able to move the hardtop.

- ▶ The cargo area partition is flipped down.
- ▶ The loading aid, refer to page 143, is shut down.
- ▶ The trunk lid is closed.
- ▶ The external temperature is above 14 °F/-10 °C.
- ▶ The vehicle voltage is sufficient.
- ▶ The hardtop drive is not overheating.
- ▶ The vehicle speed is not too high.

- The lateral tilt of the vehicle is not too great.
- The windows can be lowered.

If this requirement is not met, a check control message is displayed.

Safety information

 Note the swivel range of the hardtop

The hardtop pivots back and up during opening and closing. When the hardtop is moved, for example, in garages, make sure that the space at the top is at least 79 inches/2 meters and the space at the rear is at least 20 inches/50 centimeters; otherwise, damages may result. ◀

 Do not place objects on the hardtop

Do not place any objects on the hardtop, otherwise, they could fall and cause damage or injuries. ◀

 No hardtop movement when rollover protection is activated

Do not move the hardtop when rollover protection is activated; otherwise, it may result in damage to the hardtop. ◀

 Open and close hardtop completely

Always open or close the hardtop completely. Hardtop and hardtop well storage cover are locked in the final positions. Driving with the hardtop or hardtop well storage cover unlocked can result in damage. ◀

 Do not reach into the hardtop mechanism

Do not reach into the hardtop mechanism during the opening and closing operation. Keep children away from the opening path of the hardtop, otherwise, there is a risk of injury. ◀

 Observe traffic during operation

When the hardtop is opened during driving, be alert to traffic; otherwise, it may result in an accident. If possible, do not move the hard-

top while driving in reverse because rearward vision is severely impaired while the hardtop is in motion. During windy conditions, do not operate the hardtop while driving. ◀

 Do not attach any roof carrier systems to the hardtop

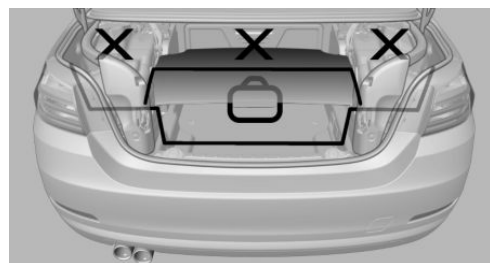
Do not attach any roof carrier systems; otherwise, an accident may occur. ◀

 Do not operate hardtop on uneven sections or road

Do not open or close hardtop on uneven sections of road. Otherwise, the vibrations can result in damage to the hardtop. ◀

Using the cargo area

When hardtop is open



Luggage can only be stored under the cargo area partition; note the related label.

When hardtop is closed



Luggage can be stowed under the cargo area partition and to the left and right of the lifting mechanism; note the related label.



Remove articles of luggage from the side areas

Before opening the hardtop, remove all pieces of luggage from the side areas. Otherwise, luggage and hardtop can be damaged. ◀

Before opening and closing

- ▷ Follow the safety instructions for the hardtop.
- ▷ Make sure that the cargo area partition in the cargo area is folded down.
- ▷ Make sure that the cargo does not push against the cargo area partition from below.
- ▷ Make sure that the trunk lid is closed.

Opening and closing from the inside

In order to protect the battery, move the hardtop only when the engine is running if possible.

Before closing the hardtop, remove any foreign objects from the windshield frame; otherwise, closing may be prevented.

- ▷  Press and hold the switch. The windows are rolled down, and the hardtop opens as long as the switch is pressed.
- ▷  Pull the switch and hold it. The windows are lowered, the hardtop closes and the windows are raised again as long as the switch is pulled.

Push or pull switch until the hardtop is completely open or closed and the end of the procedure is indicated by a corresponding Check Control message. Always make sure that the hardtop well storage cover is completely closed. If the hardtop is completely open or closed, hardtop and hardtop well storage cover are latched.

Interruption



Open and close hardtop completely

Always open or close the hardtop completely. Hardtop and hardtop well storage cover are locked in the final positions. Driving with the hardtop or hardtop well storage cover unlocked can result in damage. ◀

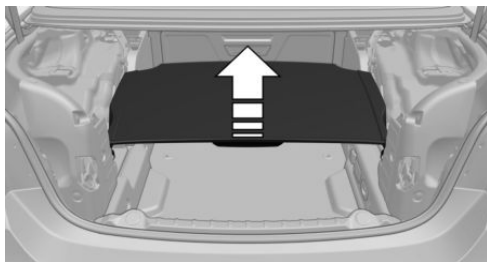
The hardtop movement is interrupted if the switch is released. The sequence can be continued in the desired direction using the switch.

Convenient operation from outside

When equipped with Comfort Access, the hardtop can also be operated from outside.

- ▷ Convenient opening with remote operation, refer to page 35.
- ▷ Convenient closing with the remote control, refer to page 36.
- ▷ Convenient closing via the door handles, refer to page 39.

Cargo area partition



Fold down cargo area partition in the back so that the hardtop can be opened.

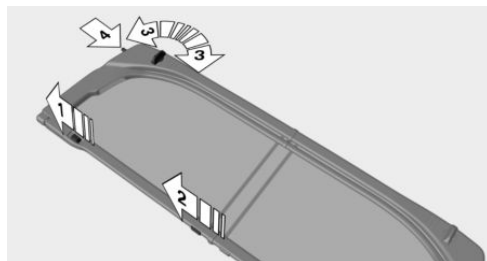
Fold down cargo area partition in the front in order to enlarge the cargo area capacity when the hardtop is closed.

Wind deflector

The concept

The wind deflector reduces the air movement in the passenger compartment when driving with the hardtop down.

At a glance



- ▶ The control elements, arrows 1 to 3, are present on both sides, so that the wind deflector can be installed and removed from both sides of the vehicle.

- ▶ If the wind deflector is fully extended, it is then secured.

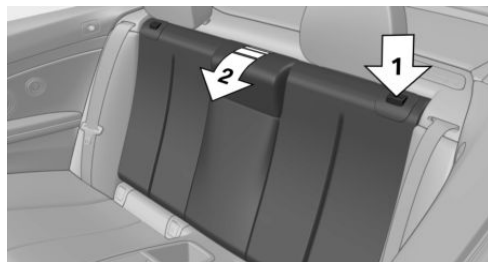
Before retracting the release slide, arrow 1, or release slide, arrow 2, pull outward to unfasten the lock.

- ▶ When installed, the wind deflector can be folded forward in order to place luggage on the rear seat, for example.

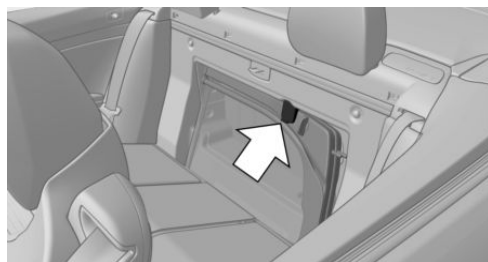
With the release lever, arrow 3, the pins, arrow 4, can be retracted on both sides in order to fold the wind deflector forward.

Installation

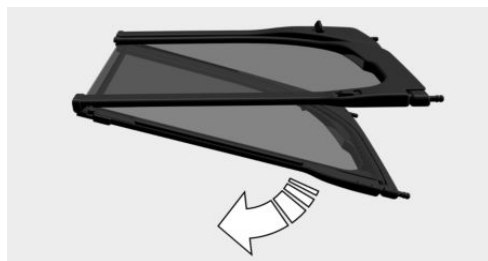
1. Unlock the rear seat backrest, arrow 1, and fold forward, arrow 2.



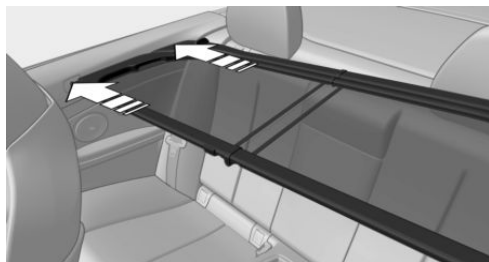
2. Push transport lock, arrow up.
Remove wind deflector.
Fold the rear seat backrest rearward.



3. Fully extend the wind deflector and lock it.

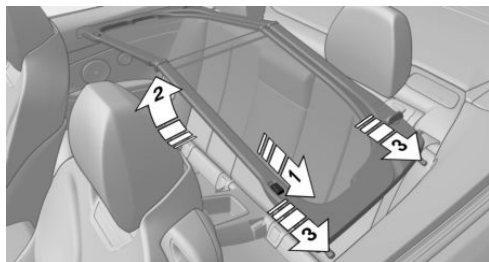


4. Insert wind deflector from one side of the vehicle with the pins in the corresponding fixtures on the opposite side of the vehicle.

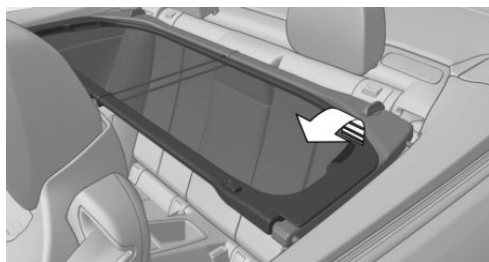


5. Pull the release slide, arrow 1, and press the wind deflector inwardly, arrow 2, to the extent that the wind deflector can be positioned in front of the mounts on the installation side.

Press the wind deflector downward until it locks, while inserting the pins in the corresponding mounts, arrow 3.



6. Grasp the inner framework of the wind deflector on the recessed grip and fold it up.



Do not tilt the front seat backrest too far back

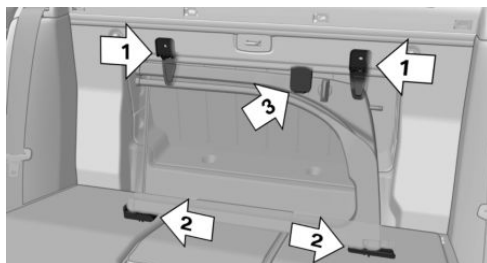
Do not tilt the front seat backrest too far back with the wind deflector installed if the seat is to be moved all the way back. Otherwise, the wind deflector will be damaged. ◀

Removing

Proceed in reverse sequence.

Disengage the lock before retracting.

1. On vehicles with a through-loading system: fold rear transport locks down, arrow 1.

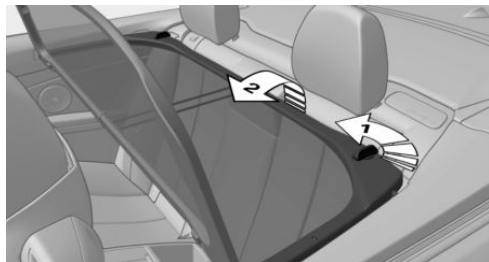


2. Place wind deflector in the orientation shown in the picture on the lower fixtures, arrow 2, and tilt it back.
3. Push the front transport lock down, arrow 3.

Luggage on the back seat

In order to store luggage on the rear seat when the wind deflector is installed, the outer frame of the wind deflector is flipped up.

1. Turn the release lever 90 ° counterclockwise, arrow 1, and fold the outer frame forward, arrow 2.



2. Place luggage on the rear seat. Make sure that the luggage does not project past the fixing points for the wind deflector.
3. Fold wind deflector back and align it with the fixture on the opposite side of the vehicle.

Turn release lever clockwise by 45 ° in order to extend the opposing pin.

4. Align wind deflector with the installation side for mounting and turn release lever another 45 ° in order to extend the second pin.

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 53.
- ▷ Head restraints, refer to page 54.
- ▷ Airbags, refer to page 97.

Seats

Hints



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. ◀

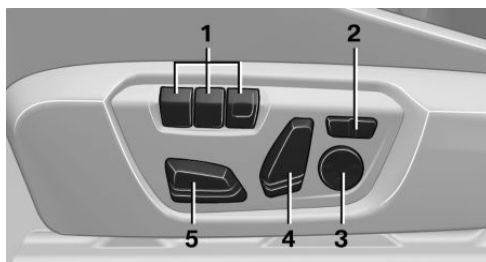


Keep the movement area unobstructed

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

Electrically adjustable seats

At a glance



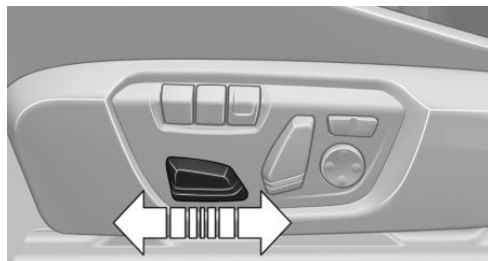
- 1 Seat and mirror memory
- 2 Backrest width
- 3 Lumbar support
- 4 Backrest tilt
- 5 Forward/backward, height, seat tilt

Note

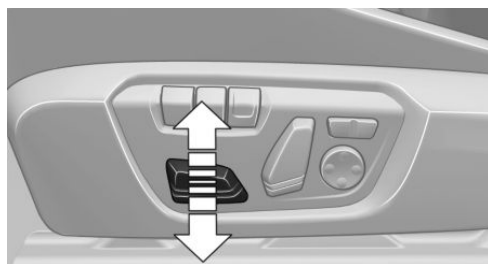
The seat setting for the driver's seat is stored for the remote control currently in use. When the vehicle is unlocked via the remote control, the position is automatically retrieved if the Function, refer to page 41, is activated for this purpose.

Adjustments in detail

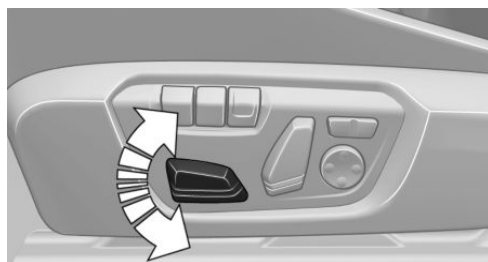
1. Forward/back.



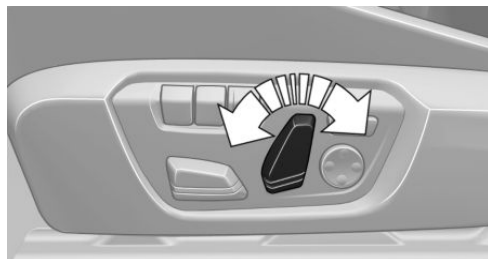
2. Height.



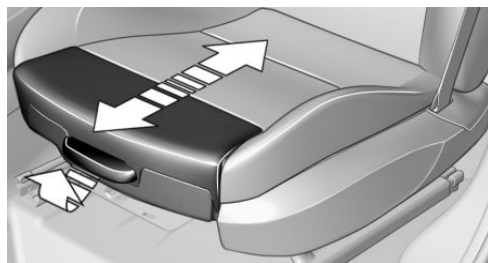
3. Seat tilt.



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.
- ▶ 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.

Front seat heating



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.

Switching off



Press the button longer.

The LEDs go out.

Neck warmer

The concept

The neck warmer ensures just the right temperature for the neck area via supply of warm air.

Hints



Do not cover the neck warmer

Do not cover the neck warmer, for example, with protective covers; otherwise, its operation could be impaired and result in damage. ◀



Adapt the supply of air accordingly

Hot air can flow out of the vents of the neck warmer in close proximity. Adapt the air feed as needed; otherwise, high temperatures can result in injuries or property damage. ◀

At a glance



Switching on



Press the button once for each level.

The maximum temperature and fan output is reached when three LEDs are lit.

Switching off



Press the button longer.

The LEDs go out.

Entering the rear

Note



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. ◀



Folding back and locking the backrest

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

Unlocking the backrest



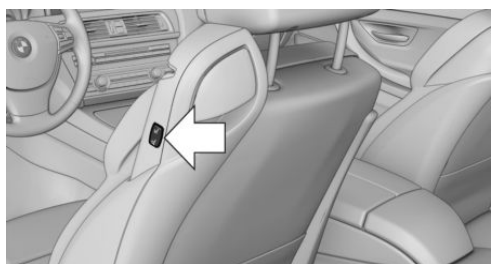
1. Pull lever up to the stop.
2. Fold backrest forward.

Changing the seat position

Requirements

- Vehicle at a standstill.
- When the door is open, the seat is accessible from the side on which the door is open.

Controls



- 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 respective end position. Pressing again stops the motion.

Folding back and locking the backrest

After entering the rear, fold the backrest back and lock it.



Press the button. The seat moves to its original position. Pressing again stops the motion.

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.

The upper shoulder strap's anchorage point will be correct for adult seat occupants of every build if the seat is correctly adjusted.



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.

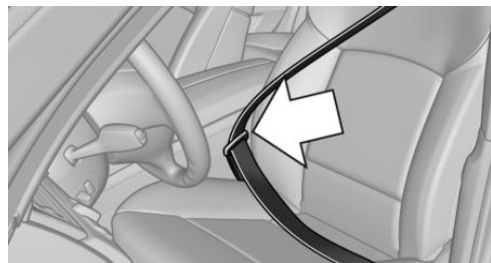
The safety belt must not lie across the neck, rub on sharp edges, be routed over breakable objects, or be pinched. ◀



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. ◀

Headrests

Removing

The head restraints cannot be removed.

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 driver's seat and exterior mirror positions can be stored per profile, refer to page 33, and called up. 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.  Press the button. The LED in the button lights up.
4. Press the desired button 1 or 2 while the LED is lit. The LED goes out.

If the SET button is pressed accidentally:

-  Press the button again.
The LED goes out.

Calling up settings

Comfort function

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

General information

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

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.

Note



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. ◀

At a glance



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

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 54

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 selector lever 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

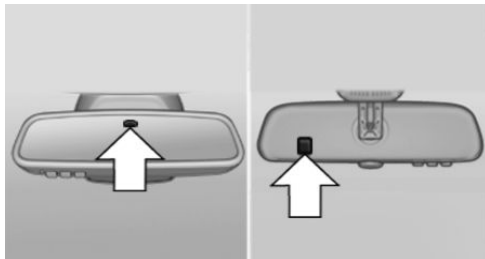
Both exterior mirrors are automatically heated whenever the engine is running.

Automatic dimming feature

Both exterior mirrors are automatically dimmed. Photocells are used for control in the interior rear view mirror, refer to page 56.

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.

Steering wheel

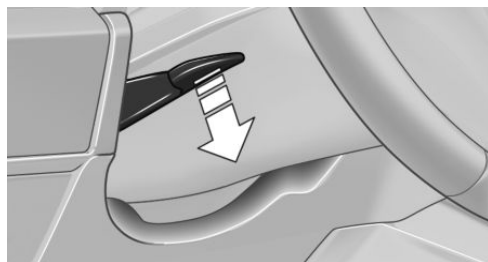
General information



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.

M Drive

The concept

Individual settings can be carried out in two preassigned configurations for the vehicle.

When the engine is started, an efficient driving state is active by default. M Drive is deactivated.

At a glance

Configurations

The configurations are preassigned as follows:

- ▶ "M Drive 1": relaxed, comfortable driving.
- ▶ "M Drive 2": sporty, dynamic driving.

Setting options

Symbol	Meaning
	Dynamic Stability Control DSC, refer to page 114, and M Dynamic Mode MDM.
	Programs of M Engine Dynamics Control, refer to page 74.
	Programs of the Adaptive M chassis, refer to page 116.
	Programs of Servotronic, refer to page 117.
	M double-clutch transmission with Drivelogic, refer to page 70: shift modes and Drivelogic driving programs.
	Views of the Head-up Display, refer to page 89.

Configuring M Drive

The preassigned configurations can be individually adjusted.

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3. Select the desired setting option.
4. Select the desired channel.

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

If M Drive is activated, a change in the setting on the Control Display is immediately adopted.

Activating/deactivating M Drive

Activating

Press the corresponding button on the steering wheel:

- ▷  Activate M Drive 1.
- ▷  Activate M Drive 2.

If DSC OFF or MDM is set in M Drive, a message appears in the instrument cluster. This message is confirmed by pressing the button again.

Deactivating

Press the corresponding button on the steering wheel.

Indicator lamps



- ▷ Indicator lamp comes on: corresponding M Drive is activated.



- ▷ Indicator lamp flashes: M Drive could not be activated. Antilock braking system ABS or Dynamic Stability Control DSC directly regulate the driving stability.

Reactivate M Drive if indicator lamp is no longer flashing.

Notes

If M Drive is activated, individual settings can also be modified outside of M Drive, e. g. using the buttons in the center console. This deactivates M Drive.

To reactivate all settings made for M Drive on the Control Display, briefly press one of the following buttons:

▷



▷



To adopt the changed settings in M Drive, press and hold the corresponding button.

Resetting M Drive

Individual settings can be reset to default values.

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3. "Reset M Drive 1" or "Reset M Drive 2"
4. "Yes"

To cancel resetting: "No"

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, equip-

ment 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. ◀

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 99.

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

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. ◀



Ensuring the stability of the child seat

When installing child restraint fixing systems, make sure that the child seat is securely fastened to the backrest of the seat. The angle of the backrest may need to be adjusted and, where necessary, the headrest height may also need to be adjusted, or if possible removed. Make sure that all backrests are securely locked. 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



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. ◀

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 99.

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.

If the upper fixing point of the safety belt is located before the belt guide of the child seat, move the passenger seat carefully forward until the best possible belt guide position is reached.

Backrest width



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. ◀

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.

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

 Follow 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

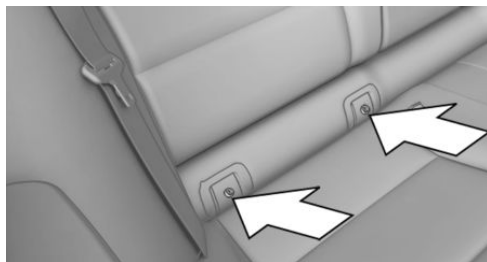
The lower anchors may be used to attach the CRS to the vehicle seat up to a combined child and CRS weight of 65 lb/30 kg when the child is restrained by the internal harnesses.

 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.

Position



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

Note

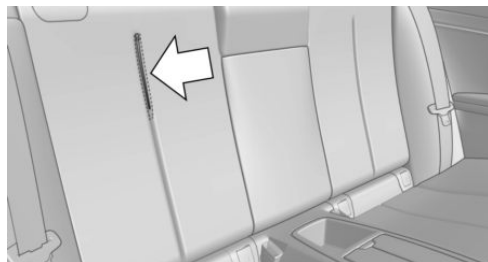
 Mounting eyes

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

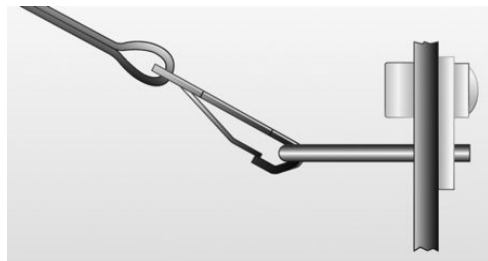
Retaining strap guide

 Retaining strap

Make sure the upper retaining strap does not run over sharp edges and is not twisted as it passes to the top anchor. Otherwise, the strap will not properly secure the child restraint fixing system in the event of an accident. ◀



Insert the upper retaining strap through the gap in the rear seat backrest.



Attach the hook of the upper retaining strap to the mounting eye.

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.

Double-clutch 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

Double-clutch 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.

Note

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

Ignition off

Double-clutch 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.

The low beams switch to parking lamps after approx. 15 minutes of no use.

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.

The radio ready state remains active if, for example, the ignition is automatically switched off for the following reasons:

- ▶ Opening or closing the driver's door.
- ▶ Unfastening of the driver's seat belt.
- ▶ When automatically switching from low beams to parking lamps.

Starting the engine

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 engage transmission position P; otherwise, the vehicle may begin to roll. ◀



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.

Double clutch 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 203.

Double-clutch transmission

Switching off the engine

1. Apply the brakes until the vehicle comes to a stop.
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.

Auto 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.

Automatic mode

After every start of the engine using the Start/Stop button, the Auto Start/Stop function is in the last selected state, refer to page 66.

When the Auto Start/Stop function is active, it is available when the vehicle is traveling faster than about 3 mph, approx. 5 km/h.

Engine stop

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

Double-clutch transmission:

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

Manual transmission:

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

The air flow 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.

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.
- ▷ At higher elevations.
- ▷ The engine compartment lid is unlocked.
- ▷ The parking assistant is activated.
- ▷ Stop-and-go traffic.
- ▷ Use of fuel with high ethanol content.

Starting the engine

The engine starts automatically under the following conditions:

- ▷ Double-clutch transmission:
By releasing the brake pedal.
- ▷ Manual transmission:
The clutch pedal is pressed.

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.
- ▷ Double-clutch transmission: Change from selector lever position D to N, R or D/S.
- ▷ Double-clutch transmission: Accelerating while simultaneously applying the brake.
- ▷ 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.

Preventing an automatic engine stop with a double-clutch transmission

The concept

To make it possible to drive away very quickly, such as at an intersection, the automatic engine stop can be actively prevented.

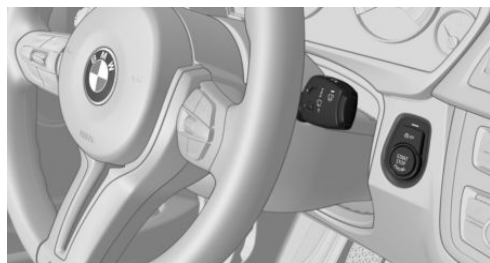
Preventing an engine stop using the brake pedal

The engine stop can be actively prevented within one second after the vehicle comes to a standstill.

- ▷ Immediately after the vehicle comes to a standstill, briefly press the brake pedal forcefully.
- ▷ Then press the brake pedal with normal braking force.

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.
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.

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.

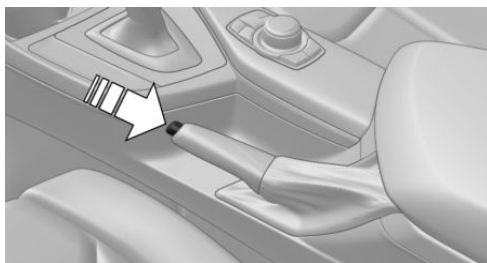


The indicator lamp lights up red. The parking brake is set.



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

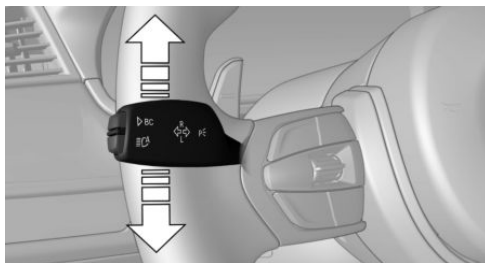
Turn signal



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:

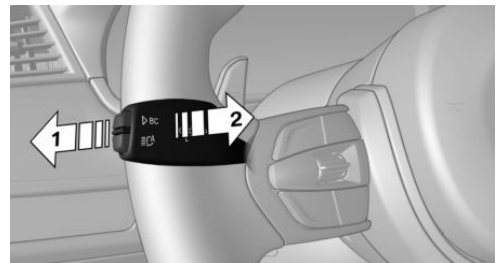
1. "Settings"
2. "Lighting"
3. "Triple turn signal"

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

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

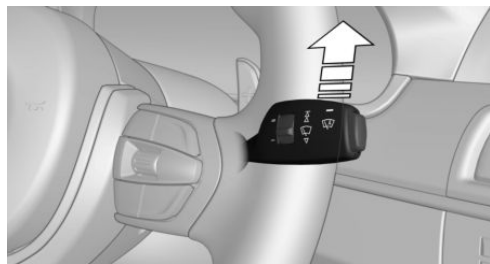
Do not use the windshield wipers if the windshield is dry, as this may damage the wiper blades or cause them to become worn more quickly. ◀



No wiper operation with wipers folded away

Do not switch on the wipers if they are folded away, otherwise the hood or the wipers may be damaged. ◀

Switching on

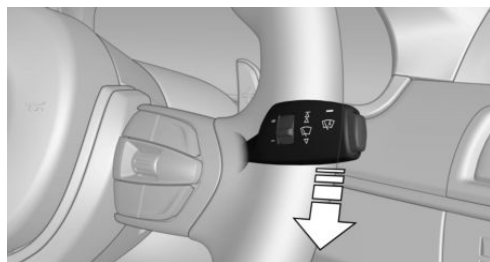


Press the wiper levers up.

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.

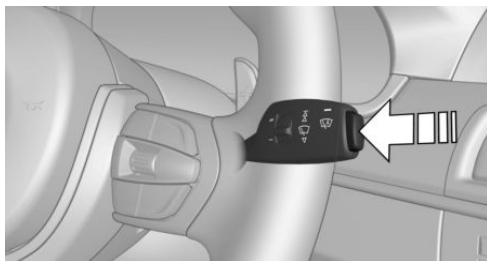
Intermittent operation or rain sensor

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.

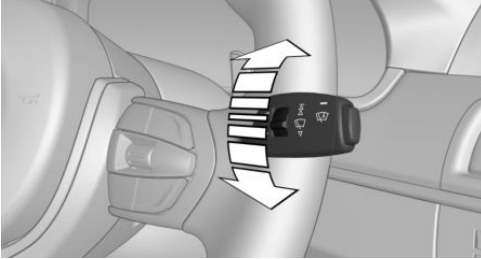
The LED in the wiper lever lights up and a wiping operation is started. If there is frost, wiper operation is not started.



Deactivate the rain sensor in car washes

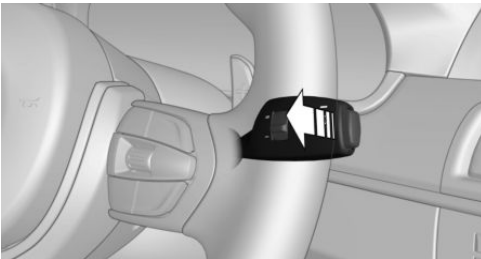
Deactivate the rain sensor when passing through an automatic car wash; otherwise, damage could be caused by undesired wiper activation. ◀

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.

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 con-

tainer. Use BMW's Windshield Washer Concentrate or the equivalent. ◀

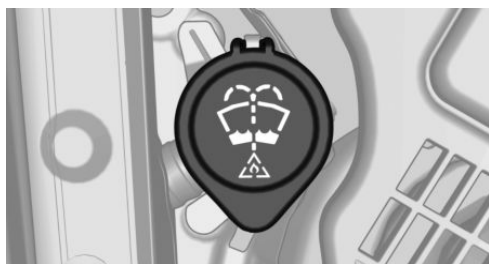
Washer fluid reservoir



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. ◀



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 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.

M double-clutch transmission with Drivelogic

The concept

The M double-clutch transmission with Drivelogic is an automatic shift transmission with two clutches and partial transmissions in which the gears can be changed without interrupting the tractive force.

The operation is via the shift lever or two shift paddles on the steering wheel.

Functions

- ▷ Sequential mode or drive mode.
- ▷ Various drive programs, Drivelogic.
- ▷ Upshifting display, Shift Lights.
- ▷ Automatic downshifting and protection from misshifting even in sequential mode.
- ▷ Launch Control.
- ▷ Automatic double-clutching.
- ▷ Low Speed Assistant.

Selector lever, selector lever positions

At a glance



- ▷ R: reverse gear.
- ▷ N: neutral.
- ▷ ● Center position, forward position.
- ▷ +: manual upshifting.
- ▷ -: manual downshifting.
- ▷ D/S: switch between drive mode and sequential mode.

Engaging a selector lever position

Pull or push the selector lever in the corresponding direction.

As soon as the selector lever is released, it reverts to the center position. In position R, the selector lever locks.

The engaged selector lever position is displayed in the instrument cluster and on the selector lever.

When the selector lever position is engaged, the vehicle can be moved very slowly when maneuvering or in stop and go traffic. To do this, depress the accelerator pedal briefly while the vehicle is stationary.

Shift lock

To shift out of neutral, apply the brake while the vehicle is stationary.

R is Reverse

Select only when the vehicle is stationary.

It is also possible to rock the vehicle up to 6 mph/10 km/h. To do this, switch between forward and reverse gear.

N is Neutral

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

S Sequential mode

Use the shift paddles or the selector lever to upshift or downshift without letting off the gas.

Automatic Functions:

- ▷ Upshifting or downshifting is done only if the rpm and vehicle speed are appropriate. For example, there is no downshifting if the engine speed is too high.
- ▷ Shortly before falling below a gear-dependent minimum speed, the transmission is automatically downshifted.

It is also possible to start out in 2nd gear, e. g. on icy roads.

Kickdown: for maximum acceleration, e. g. when passing. To do this, depress the accelerator pedal past the resistance point, and pull the left shift paddle once or push the selector lever forward once.

Switch to Drive mode: push selector lever in D/S direction.

D Drive mode

In Drive mode, all forward gears are automatically changed.

Kickdown: for maximum acceleration, e. g. when passing. To do this, depress the accelerator pedal past the resistance point.

Switch to Sequential mode: shift using the shift paddles or the selector lever, or push the selector lever in the D/S direction.

P Park

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 63, or when the ignition is switched off, refer to page 62, and when position R or D is engaged.
- If the ignition is switched off and position N is engaged.

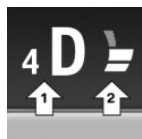
Displays in the instrument cluster

Sequential mode



- Engaged gear, arrow 1.
- Selected driving program, Drivelogic, refer to page 72, arrow 2.

Drive mode



- Engaged gear together with a D, arrow 1.
- Selected driving program, Drivelogic, refer to page 72, arrow 2.

Note

When the external temperature is very low, the display may not work. Current driving direction is recognizable at the engaged selector lever position.

Gear change

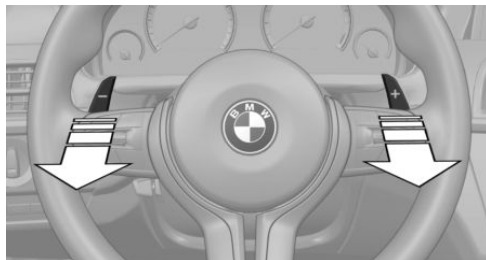
Shifting in Sequential mode possible.

A shift in Drive mode causes a switch to Sequential mode.

Using the selector lever

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

Using the shift paddles on the steering wheel



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

Drivelogic

Various driving programs are available.

After each switch between Sequential mode and Drive mode, the last program selected is an active.

Exception: after each engine start, driving program 1 is active in Drive mode.

In Drive mode

Choice of three driving programs:

- 1: efficient driving.
- 2: relaxed driving.
- 3: sporty driving.

In Sequential mode

Choice of three driving programs:

- 1: comfortable shifting operations.
- 2: sporty, fast shifting operations.
- 3: maximum shifting speed, Launch Control, refer to page 73.

Selecting driving program using button in center console



Press button repeatedly until the desired driving program is displayed in the instrument cluster.

Selecting driving program using M Drive

1. Switch on the ignition.
2. "Settings"
3. "M Drive 1" or "M Drive 2"
4.  Select the symbol.
5. "Mode"
6. Turn the controller until the desired setting is reached and press the controller.
 - ▷ "D": drive mode
 - ▷ "S": sequential mode.
7. "Shift position"
8. Turn the controller until the desired setting is reached and press the controller.
9. Selecting another driving program.

When M Drive is active, setting is immediately applied.

To activate M Drive with the selected settings, press the corresponding button on the steering wheel:



Risk of an accident

Use the settings for DSC in M Drive; otherwise, driving stability may be impaired, and there is risk of an accident. ◀

Display in the instrument cluster



Selected driving program corresponds to the number of illuminated fields.

Launch Control

The concept

Launch Control enables optimum acceleration on surfaces with good traction.



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. ◀

Activate Launch Control

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

1. Deactivate Dynamic Stability Control, refer to page 114.
2. Select Sequential mode with driving program 3.
3. With the engine running, apply the brake with the left foot.
4. Fully depress the accelerator pedal.

The starting engine speed adjusts.

A flag symbol appears in the instrument cluster.
5. If necessary, change the starting engine speed by 500 rpm via cruise control.
6. Release the brake, the vehicle accelerates. Continue to depress the accelerator pedal.

Upshifting occurs automatically as long as the accelerator pedal is fully depressed.

Hints

Launch Control is available only after a certain distance has been driven.

Do not use Launch Control during the break-in, refer to page 154, period.

To maintain driving stability, always activate DSC if possible.

Low Speed Assistant

The Low Speed Assistant gives assistance at very low speeds. The vehicle travels at walking speed and automatically controls the speed of the engine.

This can also be used for rocking the vehicle in the snow. To do this, switch between reverse gear and forward gear without stepping on the brakes in the process.

Activating

1. Engage a driving position.
2. Briefly tap the accelerator pedal.

The vehicle rolls at minimum speed.

This is possible in 1st and 2nd gear and in reverse gear.



Overheating

Do not ride the brake; otherwise, the transmission may overheat. ◀

Deactivating

Apply the brakes until the vehicle comes to a stop.

System limits

This transmission has an overheating protection mechanism, which protects the clutch from extreme stress.



- ▶ Indicator lamp lights up yellow: transmission too hot.

Avoid high engine stress and frequent starts.

- ▶ Indicator lamp lights up red: transmission is overheating.

Further driving at a moderate pace is possible. At the next opportunity, stop the car, shut off the engine and allow the transmission to cool down.

Avoid fast starts, and on inclines did not accelerate lightly while letting the clutch slip; otherwise, the transmission may overheat.

During traffic jams or at very low speeds, use the Low Speed Assistant, refer to page 74.

M Driving Dynamics Control

The concept

The M Driving Dynamics Control affects the response of the vehicle to accelerator pedal movements.

Programs

Response behavior options:

- ▶ "Efficient": comfortable. Minimal fuel consumption.
Ideal e. g. in city traffic or on snow.
- ▶ "Sport": sporty, dynamic.
- ▶ "Sport Plus": spontaneous, direct. Maximum dynamics.

Selecting a channel

Via M Drive

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3.  Select the symbol.
4. Select the desired channel.

When M Drive is active, setting is immediately applied.

To activate M Drive with the selected settings, press the corresponding button on the steering wheel:



Using the button



 Press button repeatedly until the desired program is displayed in the instrument cluster.

Display in the instrument cluster

 Engine Dynamics Control with selected program with activated Display of the system states of the driving dynamics, refer to page [82](#).

Displays

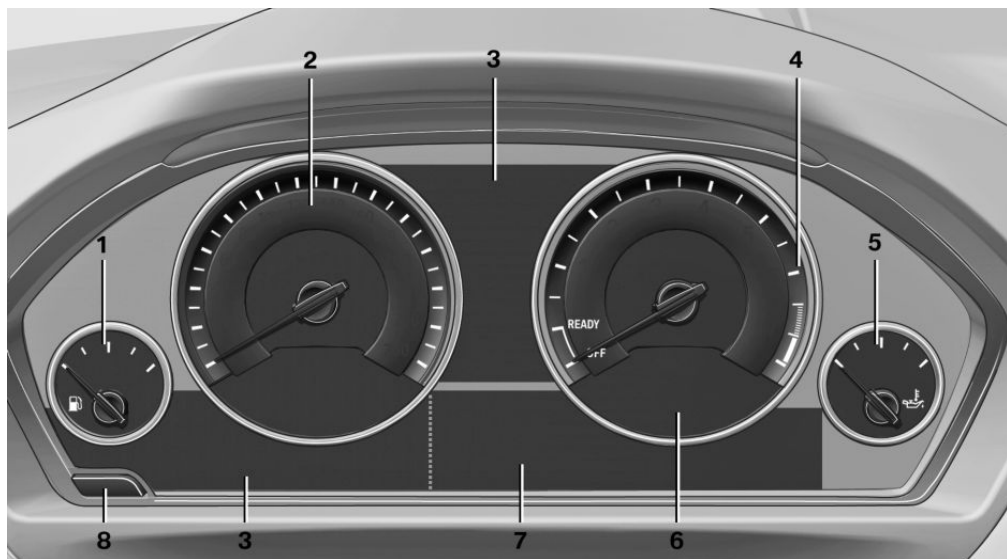
Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equip-

ment 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 Fuel gauge 79

2 Speedometer

3 Indicator/warning lamps 77

4 Tachometer 79

Shift Lights 91

5 Engine oil temperature 80

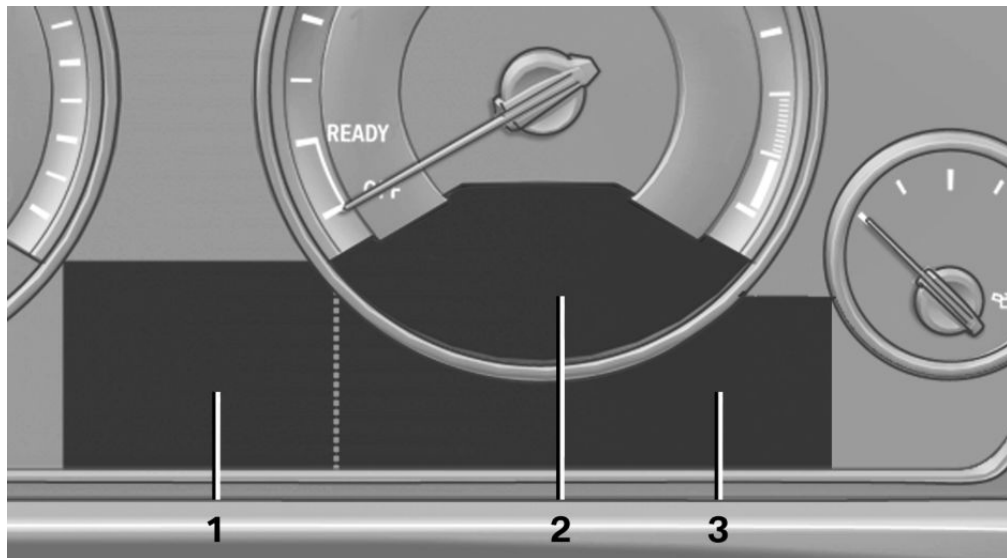
6 Current fuel consumption 81

7 Electronic displays 77

8 Display/reset miles 80

Electronic displays

Overview, instrument cluster



- | | |
|---|--|
| 1 Time 80
External temperature 80
Selection list, such as for the radio 85
Speed limit detection 84
Computer 86
Miles/trip miles 80
Navigation display, see user's manual for Navigation, Entertainment and Communication. | Digital tachometer 81
2 Energy recovery 82
Transmission display, Drivelogic 81
Current fuel consumption 81
System states of driving dynamics 82
3 Messages, e.g., Check Control 77
Service requirements 83 |
|---|--|

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 and in the Head-up Display.

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.
	High beams.
	High-beam Assistant.
	Parking lamps, headlamp control.
	Vehicle detection, Active Cruise Control: front-end collision warning.
	Pedestrian warning.
	Cruise control.
	Lane departure warning.
	DSC Dynamic Stability Control.
	DSC Dynamic Stability Control deactivated.
	Tire Pressure Monitor.
	Safety belts.
	Airbag system.

Symbol Function or system

	Steering system.
	Engine functions.
	Parking brake. Brake system.
	In Canadian models Parking brake. Brake system.
	ABS Antilock Brake System.
	In Canadian models ABS Antilock Brake System.
	At least one Check Control message is displayed or is stored (symbol in display).
	M Drive 1.
	M Drive 2.
	M Dynamic Mode.

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.

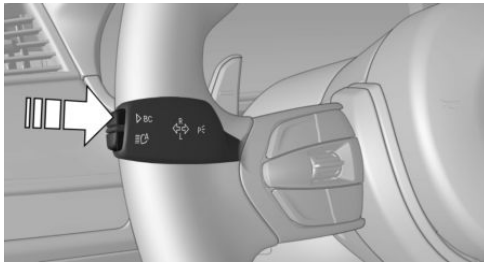
The supplementary text of urgent messages is automatically displayed on the Control Display.

Symbols

Depending on the Check Control message, the following functions can be selected.

-  "Owner's Manual"
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.

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 166.

Tachometer



The yellow and red LEDs display the permitted speed range. The permitted engine speed increases as the engine oil temperature increases.

Avoid engine speeds in the yellow warning field.

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

Engine oil temperature



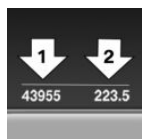
- ▶ Cold engine: the pointer is at the low temperature end. Drive at moderate engine and vehicle speeds.
- ▶ Normal operating temperature: the pointer is in the middle or in the left half of the temperature display.
- ▶ Hot engine: the pointer is at the high end of the temperature range. A Check Control message is also displayed.

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 185.

Odometer and trip odometer

Display



- ▶ Odometer, arrow 1.
- ▶ Trip odometer, arrow 2.

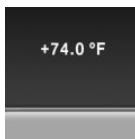
Show/reset kilometers



Press the knob.

- ▶ When the ignition is switched off, the time, the external temperature and the odometer are displayed.
- ▶ When the ignition is switched on, the trip odometer is reset.

External temperature



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.

When the digital tachometer is activated, the external temperature can be displayed in the onboard computer.

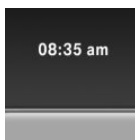


Ice on roads

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

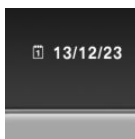


The time is displayed in the instrument cluster.

When the digital tachometer is activated, the time can be displayed in the onboard computer.

Setting the time and time format, refer to page 88.

Date

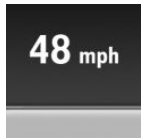


The date is displayed in the computer.

Setting the date and date format, refer to page 88.

Digital tachometer

Display



The current speed is displayed in the instrument cluster.

Activate display

1. "Settings"
2. "Instrument cluster"
3. "Digital speedometer"

Adjusting the unit

1. "Settings"
2. "Language/Units"
3. "Dig. speedo:"
4. Select the desired unit.

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

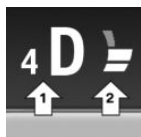
Gear display with Drivelogic

Sequential mode



- ▷ Engaged gear, arrow 1.
- ▷ Selected driving program, Drivelogic, refer to page 72, arrow 2.

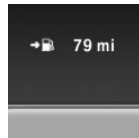
Drive mode



- ▷ Engaged gear together with a D, arrow 1.
- ▷ Selected driving program, Drivelogic, refer to page 72, arrow 2.

Range

Display



After the reserve range is reached:

- ▷ A Check Control message is displayed briefly.
- ▷ The remaining range is shown on the 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. ◀

Displaying the cruising range

Depending on the equipment version, the range is displayed in the instrument cluster.

1. "Settings"
2. "Instrument cluster"
3. "Additional indicators"

Current fuel consumption

Display



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. "Instrument cluster"

3. If necessary, "M dynamic driving syst."

☐ The display for the current fuel consumption is active.

☒ Display of the dynamic driving systems, refer to page 82.

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

Energy recovery

Display



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

Displaying energy recovery

1. "Settings"
2. "Instrument cluster"
3. If necessary, "M dynamic driving syst."
 - ☐ The display for the energy recovery is active.
 - ☒ Display of the dynamic driving systems, refer to page 82.

EfficientDynamics display

Displaying Efficient Dynamics

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.

 "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.

Dynamic driving systems

Display



The dynamic driving system states are displayed in the instrument cluster.

Symbols	Description
	Engine Dynamics Control, refer to page 74.
	Adaptive M chassis, refer to page 116.
	Servotronic, refer to page 117.



Engine Dynamics Control, refer to page 74.



Adaptive M chassis, refer to page 116.



Servotronic, refer to page 117.

Activate display

1. "Settings"
2. "Instrument cluster"
3. If necessary, "M dynamic driving syst."

 The display for the dynamic driving systems is active.

 Display for Current consumption, refer to page 81, and Energy recovery, refer to page 82.

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
	No service is currently required.
	The deadline for scheduled maintenance 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"

Gear shift indicator

The concept

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

The gear shift indicator is active in the sequential mode of the double clutch transmission and for 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.

Displays

Symbol	Description
	Shift up to fuel efficient gear.
	Shift down to fuel efficient gear.



Speed limit detection

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.

Hints



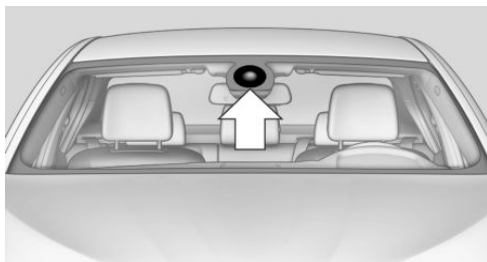
Personal judgment

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

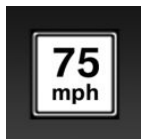
1. "Settings"
2. "Instrument cluster"
3. "Speed limit information"

If speed limit detection is switched on, it can be displayed on the info display in the instrument cluster via the computer.

Display

The following is displayed in the instrument cluster:

Speed limit detection



Current speed limit.



Speed limit detection is not available.

Speed limit detection can also be displayed in the Head-up Display.

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.

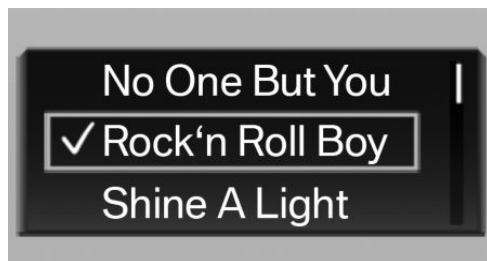
Selection lists in the instrument cluster

The concept

Depending on the equipment version, the following can be displayed or operated using the buttons and the thumbwheel on the steering wheel and the displays in the instrument cluster and the Head-up Display:

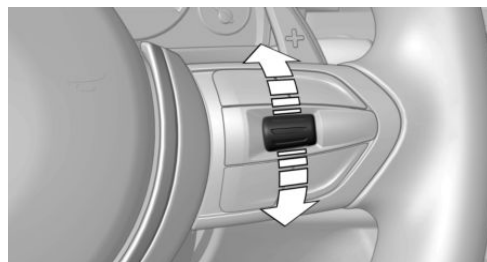
- Current audio source.
- Redial on telephone.
- Activation of the voice activation system.

Display



Depending on the equipment version, the list in the instrument cluster can differ from the illustration.

Activating a list and adjusting the setting

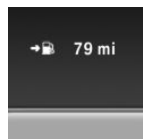


On the right side of the steering wheel, turn the thumbwheel to activate the corresponding list.

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

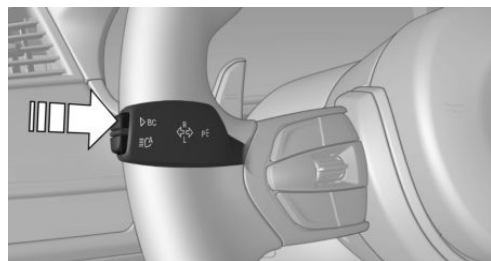
Computer

Indication in the info display



The information from the on-board computer is shown in the info display in the instrument cluster.

Calling up information on the info display



Press the onboard computer button on the turn signal lever.

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

Information at a glance

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

- ▷ Range.
- ▷ Average 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.

When the arrow view in the Head-up Display is inactive.

- ▷ Driving Dynamics Systems.
- ▷ Digital tachometer.
- ▷ External temperature and date.

When the digital tachometer is active.

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. "Instrument cluster"
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

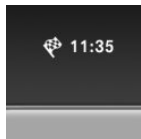
Press and hold the computer button on the turn signal lever.

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 84, function.

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 or speed

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

Sport displays

The concept

In the Control Display, the current values for power and torque can be displayed if the vehicle is appropriately equipped.

Displaying sport displays in the Control Display

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

Speed warning

The concept

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.

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.

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.

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.

Automatic time setting

Depending on the equipment version, the time, date and, if necessary, the time zone are updated automatically.

1. "Settings"
2. "Time/Date"
3. "Auto time set"

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 26.

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:

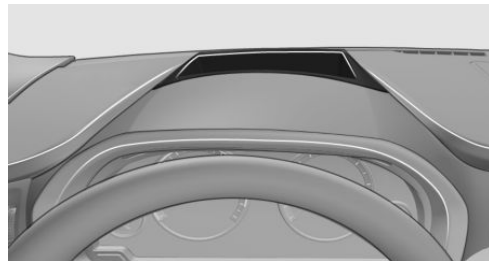
1. "Settings"
2. "Control display"
3. "Brightness"
4. Turn the controller until the desired brightness is set.
5. Press the controller.

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

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

Head-up Display

The concept



This system projects important information into the driver's field of vision, e.g., the speed.

The driver can get information without averting his or her eyes from the road.

Display visibility

The visibility of the displays in the Head-up Display is influenced by the following factors:

- ▷ Certain sitting positions.
- ▷ Objects on the cover of the Head-up Display.
- ▷ Sunglasses with certain polarization filters.
- ▷ Wet roads.
- ▷ Unfavorable light conditions.

If the image is distorted, check the basic settings.

Switching on/off

1. "Settings"
2. "Head-Up Display"
3. "Head-Up Display"

Display

Standard view

- ▷ Speed.
- ▷ Navigation system.
- ▷ Check Control messages.
- ▷ Selection list from the instrument cluster.
- ▷ Driver assistance systems.

Some of this information is only displayed briefly as needed.

M view



- 1 Current engine speed, highlighted
- 2 Shift Lights
- 3 Pre-warning field, speed display
- 4 Red warning field, speed display
- 5 Speed
- 6 Gear display/warning messages

Activate M view:

Select displays in the Head-up Display.

Selecting displays in the Head-up Display

1. "Settings"
2. "Head-Up Display"
3. "Displayed information"
4. Select the desired displays in the Head-up Display.

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

Setting the brightness

The brightness is automatically adjusted to the ambient light.

The basic setting can be adjusted manually.

1. "Settings"
2. "Head-Up Display"
3. "Brightness"
4. Turn the controller.

When the low beams are switched on, the brightness of the Head-up Display can be additionally influenced using the instrument lighting.

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

Adjusting the height

1. "Settings"
2. "Head-Up Display"
3. "Height"
4. Turn the controller.

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

Setting the rotation

1. "Settings"
2. "Head-Up Display"
3. "Rotation"
4. Turn the controller.

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

Special windshield

The windshield is part of the system.

The shape of the windshield makes it possible to display a precise image.

A film in the windshield prevents double images from being displayed.

Therefore, have the special windshield replaced by a service center only.

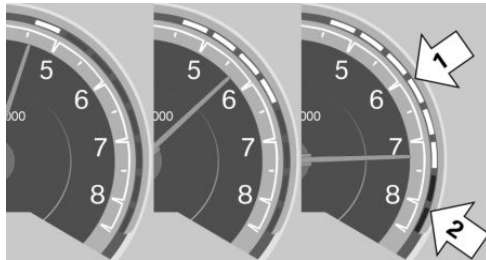
Shift Lights

General information

The display is in the Head-up Display and instrument cluster.

Shift lights in the instrument cluster

Display



- ▷ Current engine speed is displayed in the tachometer.
- ▷ Arrow 1: successive yellow illuminated fields indicate the upcoming upshift moment.
- ▷ Arrow 2: fields are illuminated in red. Do not wait any further to shift.

When the maximum possible speed is reached, the entire display flashes.

When the maximum speed is exceeded, the supply of fuel is interrupted in order to protect the engine. Speeds in this range must be avoided.

Shift Lights in the Head-up Display

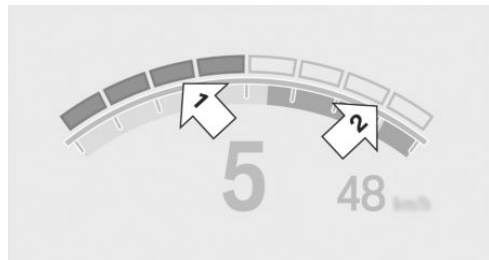
Switching on

Shift lights are only shown in the Head-up Display in the M view, refer to page 90.

1. Switch on Head-up Display, refer to page 89.
2. "Settings"
3. "Head-Up Display"

4. "Displayed information"
5. "M View"

Display



- ▷ Current engine speed is displayed in the tachometer.
- ▷ Arrow 1: successive yellow illuminated fields indicate the upcoming upshift moment.
- ▷ Arrow 2: fields are illuminated in red. Do not wait any further to shift.

When the maximum possible speed is reached, the entire display flashes.

When the maximum speed is exceeded, the supply of fuel is interrupted in order to protect the engine. Speeds in this range must be avoided.

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 Depending on the equipment: Automatic headlamp control, Adaptive Light Control, High-beam Assistant, Welcome lamps, Daytime running lights
- 3 Lamps off, daytime running lights
- 4 Parking lamps/daytime running lights
- 5 Depending on the equipment: low beams, welcome lamps, High-beam Assistant
- 6 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 93.

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 radio ready state is switched off.

Setting the duration

1. "Settings"
2. "Lighting"

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.

When emerging from a tunnel during the day, the low beams are not switched off immediately but instead only after approx. 2 minutes.

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

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 .

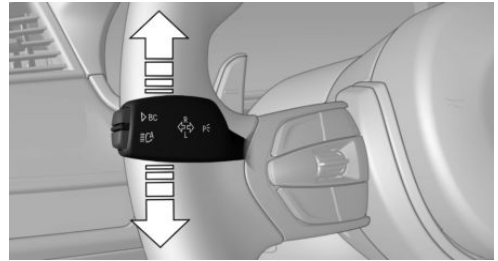
Activating/deactivating

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.

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.

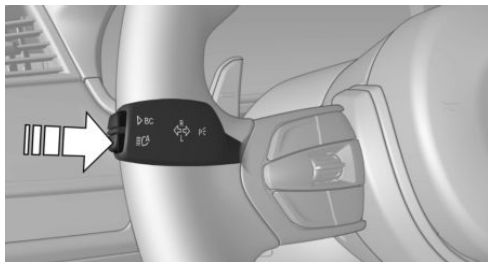
Adaptive light control is malfunctioning or has failed. Have the system checked as soon as possible.

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  or .
2. Press the button on the turn signal lever, .



The indicator lamp in the instrument cluster lights up.

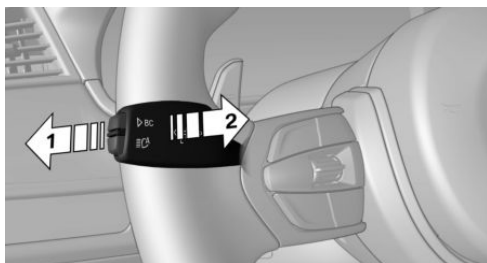
When the low beams are on, the lights are automatically brightened or dimmed.

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



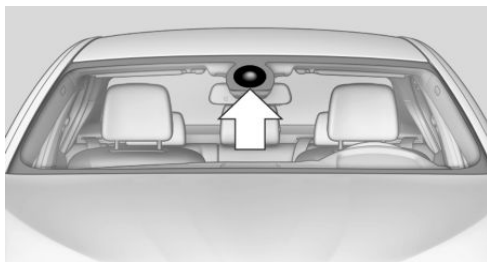
Personal responsibility

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. ◀

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-observed oncoming traffic on freeways.
- In poorly-lit towns and cities and in the presence of highly reflective signs.
- At low speeds.
- When the windshield behind 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.

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



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.

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.

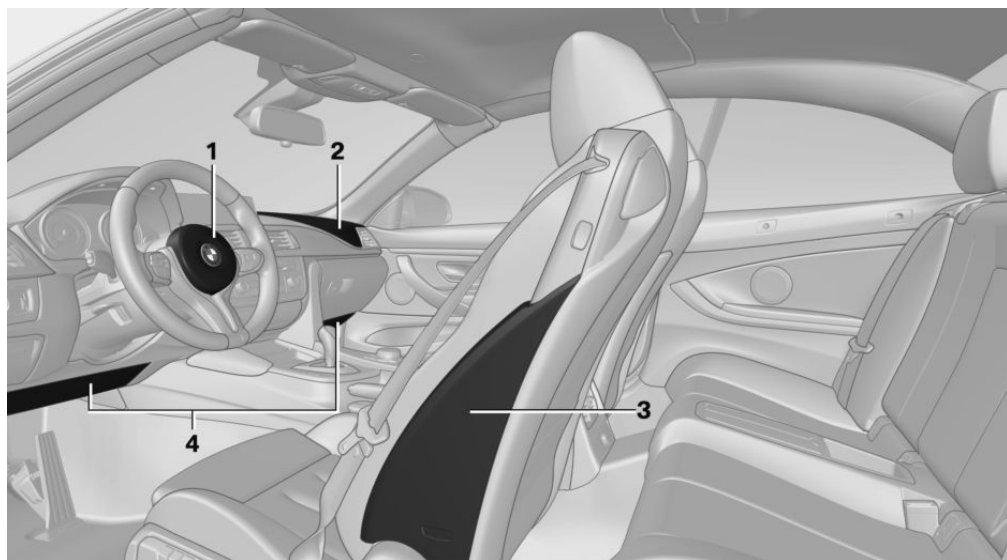
Safety

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equip-

ment 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 Side airbag
- 4 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, lap, and head area.

Knee airbag

The knee airbag supports the legs in a frontal impact.

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; otherwise, injuries can occur if the airbags are deployed.
- ▷ 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, and the seats. ◀

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.



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. ◀

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



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. Press the switch and move the respective seat all the way forward.
2. Press the switch forward again. The seat still moves forward slightly.
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. ◀

Rollover protection system

The concept

The rollover protection system is automatically activated in the event of a sufficiently serious accident or if the longitudinal axis is tilted excessively. The safety frames located behind the rear headrests extend within fractions of a second.

Supplementing the reinforced front windshield frame, the rollover protection system further increases passenger safety.

Hints



Maintaining movement space

Always keep the movement space of the rollover protection system clear. Otherwise, there may be damage or injuries when the rollover protection system is triggered. ◀



In the event of malfunctions, deactivation or after deployment

Only have the airbags checked, repaired or dismantled and the system scrapped by your service center. 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. ◀

Triggered rollover protection system



After deployment or damage

After deployment of the rollover protection system or in the event of damage, have the system checked and replaced.

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



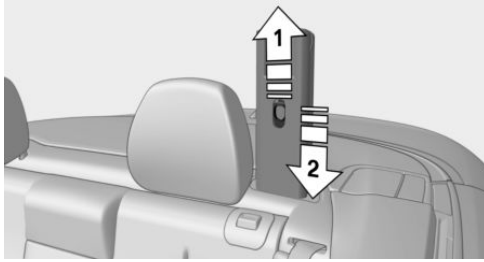
Do not move hardtop

When the rollover protection system is extended, do not move the hardtop. Otherwise, damages or injuries may result. ◀

If the rollover protection system was not placed under any stress after an automatic triggering, it can be pushed back by hand, e.g.

to close the hardtop. The protection function of the system is then restored.

1. Pull the release lever in the safety frame up and hold it, arrow 1.



2. Push the safety frame down, arrow 2.
3. Release the release lever only if the safety frame was pushed back almost completely.
4. Push the safety frame down until it noticeably engages. To do this, the safety frame must be pressed far into its holder; high levels of force are required.



Do not bend via the safety frame

Should the safety frame not be engaged when it is released, it moves back up with jerking movements. When it is released, do not bend via the safety frame; otherwise, there is a risk of injury with a safety frame that is not engaged. ◀

Slowly reduce pressure on the safety frame in order to test whether it is latched.

5. Proceed likewise with the second safety frame.

Malfuction



A Check Control message is displayed when there is a malfunction.

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 170, 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 after each adjustment 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 control display

The tire and system status is indicated by the color of the wheels and a text message on the Control Display.

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. Reasons for this may be:

- ▷ The system is being reset.
- ▷ Malfunction.

Carry out reset

Reset the system after each adjustment 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. Resetting the tire pressure: "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. Identify the damaged wheel. Do so by checking the tire inflation pressure using the Mobility System. Correcting the tire inflation pressure
- 3. Repair flat tire with the Mobility System or replace the damaged wheel.

When a low inflation pressure is indicated, DSC Dynamic Stability Control is switched on if necessary.

Required inflation pressure check message

A Check Control message is displayed in the following situations

- ▷ The system has detected a wheel change, but no reset was carried out.
- ▷ Inflation was not carried out according to specifications.
- ▷ The tire pressure has fallen below the level of the last confirmation.

In this case:

- ▷ Check the tire pressure and correct as needed.
- ▷ Carry out a reset of the system after a tire change.

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.

Intelligent Safety

The concept

Intelligent Safety enables central operation of the driver assistance system.

Depending on how the vehicle is equipped, Intelligent Safety consists of one or more systems that can help prevent a imminent collision. These systems are active automatically every time the engine is started using the Start/Stop button:

- ▷ Front-end 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. ◀

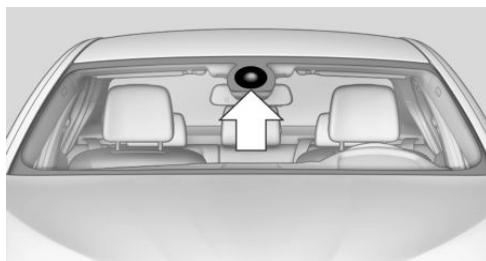
At a glance

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.

Front-end collision warning with City Braking function

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.

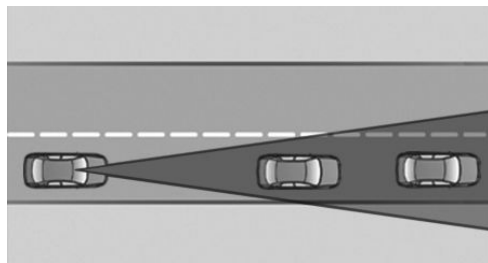
When the vehicle is intentionally brought close to a vehicle, the collision warning is delayed to avoid false warnings.

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.

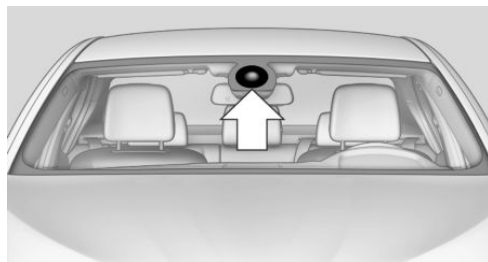
At a glance

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



Press button: the system is switched off. The LED goes out.

Re-press button: the system is switched on. The LED lights up.

Setting the prewarning time

The prewarning time can be set via iDrive.

1. "Settings"
2. "Frontal Coll. Warning"
3. Activate the desired time on the Control Display.

The selected time 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.

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.



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 M Dynamic mode MDM is not 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.

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.
- Up to 10 seconds after the start of the engine, via the Start/Stop knob.
- 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.

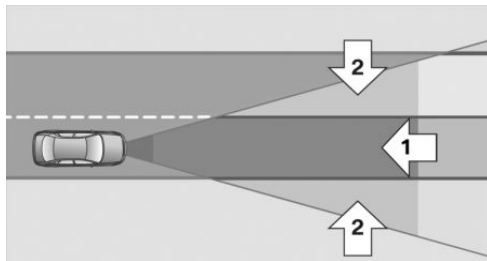
The system is controlled via the camera in the base of the interior mirror.

General information

The system issues a warning with brightness starting 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.

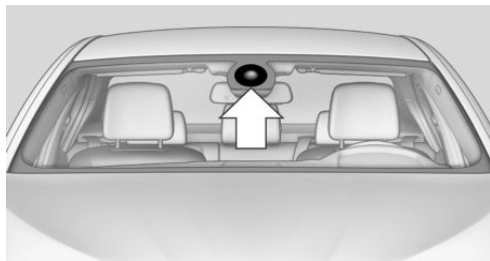
At a glance

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.

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.

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 M Dynamic mode MDM is not 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 snow-fall.
- In tight curves.
- If the driving stability control systems are deactivated, e.g. DSC OFF.
- If the camera view field or the front windshield are dirty or covered.
- Up to 10 seconds after the start of the engine, via the Start/Stop knob.
- 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.
- 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.

Hints



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. ◀

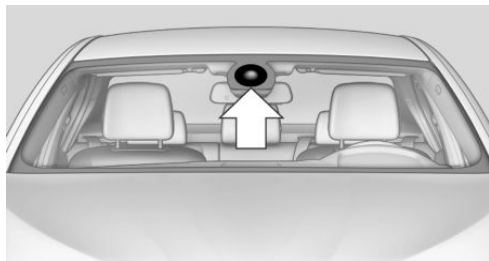
At a glance

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 setting is stored for the remote control currently in use.

Display in the instrument cluster



- ▷ 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.

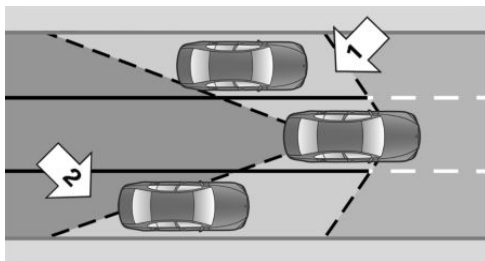
System limits

The system may not be fully functional in the following situations:

- ▷ In heavy fog, rain or snowfall.
- ▷ In the event of missing, 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.

Active Blind Spot Detection

The concept



Two radar sensors below the rear bumper monitor the area behind and next to the vehicle at speeds above approx. 30 mph/50 km/h.

The system indicates whether there are vehicles in the blind spot, arrow 1, or approaching from behind on the adjacent lane, arrow 2.

The lamp in the exterior mirror housing lights up dimly.

Before you change lanes after setting the turn signal, the system issues a warning in the situations described above.

The lamp in the housing of the exterior mirror flashes and the steering wheel vibrates.

Hints



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. ◀

At a glance

Button in the vehicle



Active Blind Spot Detection

Radar sensors



The radar sensors are located under the rear bumper.

Switching on/off



Press the button.

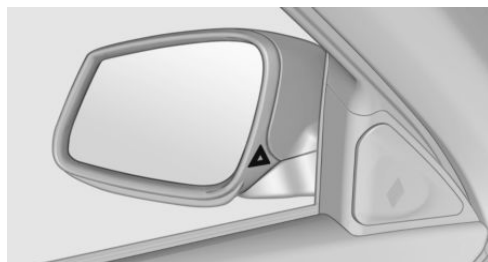
- ▷ On: the LED lights up.
- ▷ Off: the LED goes out.

The system can issue warnings at speeds above approx. 30 mph/50 km/h.

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

Display

Lamp in the mirror housing



Information stage

The dimmed lamp in the mirror housing indicates when there are vehicles in the blind spot or approaching from behind.

Warning

If the turn signal is set while a vehicle is in the critical zone, the steering wheel vibrates briefly and the lamp in the mirror housing flashes brightly.

The warning stops when the turn signal is switched off, or the other vehicle leaves the critical zone.

System limits

The system may not be fully functional in the following situations:

- ▷ When a vehicle is approaching at a speed much faster than your own.
- ▷ In heavy fog, rain or snowfall.
- ▷ In tight curves or on narrow lanes.
- ▷ If the bumper is dirty or iced up, or covered with stickers.

A Check Control message is displayed when the system is not fully functional.

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:

- ▷ NBG009014A.

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.

Brake force display

The concept



- ▷ During normal brake application, the outer brake lamps light up.
- ▷ During heavy brake application, the inner brake lamps light up in addition.

Attentiveness assistant

The concept

The system can detect increasing lack of alertness or fatigue of the driver during long, monotonous journeys, for example, on highways. In this situation, it is recommended that the driver take a break.

Note



Personal responsibility

The system cannot act as a substitute for the personal assessment of one's physical state and may not detect an increasing lack of alertness or fatigue or may not detect it correctly. Therefore, make sure that the driver is rested and alert; otherwise, risks may be detected too late and an accident be caused as a result. ◀

Function

The system is activated each time the engine is started and cannot be switched off.

After travel has begun, the system is trained about the driver, so that increasing lack of alertness or fatigue can be detected.

This procedure takes the following criteria into account:

- ▶ Personal driving style, for example, steering behavior.
- ▶ Driving conditions, for example, length of trip.

Starting at approximately 43 mph/70 km/h, the system is active and can display a recommendation to take a break.

Break recommendation

If the driver becomes increasingly less alert or fatigued, a message is displayed in the Control Display with the recommendation to take a break.

A recommendation to take a break is displayed only once during an uninterrupted trip.

After a break, another recommendation to take a break cannot be displayed until after approximately 45 minutes.

System limits

The function may be limited in the following situations, for instance, and will either output an incorrect warning or no warning at all:

- ▶ When the clock is set incorrectly.
- ▶ When the vehicle speed is mainly below about 43 mph/70 km/h.
- ▶ With a sporty driving style, such as during rapid acceleration or when cornering quickly.
- ▶ In active driving situations, such as when changing lanes frequently.
- ▶ When the road surface is poor.
- ▶ In the event of strong side winds.

Driving stability control systems

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.

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 greatest possible 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. Sub-

ject 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. ◀

At a glance

Button in the vehicle



DSC OFF button

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.

The steering and, depending on the equipment, chassis are tuned for sporty driving.

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.

M Dynamic Mode MDM

M Dynamic Mode makes it possible to drive on a dry roadway with high longitudinal and transverse acceleration but with limited driving stability.

Only in the absolute limit area does the system intervene for stabilization by reducing the engine power and by braking interventions on the wheels. In this driving condition, additional steering corrections may be necessary.



Limited stabilizing interventions

When M Dynamic Mode is activated, stabilizing interventions are carried out only to a reduced extent. You must react yourself; otherwise, there is the danger of an accident occurring. ◀

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

Activating MDM



Press the button briefly.

The MDM and DSC OFF indicator lamps on the instrument cluster light up.

Deactivating MDM



Press the button.

The MDM and DSC OFF indicator lamps go out.

Via M Drive

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3. Select the symbol.
4. "MDM"

To open M Drive with the selected settings, press the corresponding button on the steering wheel:



A message appears in the instrument cluster. This message is confirmed by pressing the button again.

Deactivating MDM

Press the appropriate button 1 or button 2 on the steering wheel again.

M Dynamic Mode and the settings selected under M Drive are deactivated.

Indicator/warning lamps



Indicator lamps light up:

M Dynamic Mode is activated.



DSC indicator lamp also flashes:

M Dynamic Mode controls the drive forces and brake forces.



Indicator lamps light up:
M Dynamic Mode or DSC has failed.



Active M differential

The concept

The active M differential assures continuously variable locking of the rear axle differential depending on the driving situation. This prevents individual rear wheels from spinning even when DSC is switched off and in M Dynamic Mode, so that optimum traction is always assured in all driving situations.

The driver is responsible adapting his or her driving behavior to the situation.

Adaptive M chassis

The concept

This system reduces undesirable vehicle motion when using a dynamic driving style or traveling on uneven road surfaces.

The system enhances driving dynamics and comfort as required for the road surface and driving style.

Programs

Setting options for calibrating the shock absorbers:

- ▷ "Comfort": comfort-oriented.
- ▷ "Sport": balanced out.
- ▷ "Sport Plus": consistently sporty.

Selecting a channel

Via M Drive

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3.  Select the symbol.
4. Select the desired channel.

When M Drive is active, setting is immediately applied.

To activate M Drive with the selected settings, press the corresponding button on the steering wheel:



Using the button



Press button repeatedly until the desired program is displayed in the instrument cluster.

Display in the instrument cluster



Adaptive M chassis with selected program for the active display of driving dynamics system statuses, refer to page [82](#).

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.

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. ◀

Servotronic

The concept

The Servotronic varies the steering force required to turn the wheels in accordance with the vehicle speed. At low speeds, the steering force is strongly supported, i. e. during steering, low force is required. As the speed increases, the assistance of the steering force is reduced.

Furthermore, the steering force adapts according to the driving program, so that a direct, sporty feel and/or comfortable steering is conveyed.

Programs

Steering force setting options:

- ▷ "Comfort": low.
- ▷ "Sport": medium.
- ▷ "Sport Plus": high.

Selecting a channel

Via M Drive

1. "Settings"
2. "M Drive 1" or "M Drive 2"
3.  Select the symbol.
4. Select the desired channel.

When M Drive is active, setting is immediately applied.

To activate M Drive with the selected settings, press the corresponding button on the steering wheel:



Using the button



Press button repeatedly until the desired program is displayed in the instrument cluster.

Display in the instrument cluster



Servotronic with selected program with activated display of the System states of the driving dynamics, refer to page 82.

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 maintains a preset speed via the buttons on the steering wheel. The system brakes on downhill gradients if engine braking action is insufficient.

General information

Depending on the driving settings, the characteristics of the cruise control can change in certain areas.

Hints



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. ◀

At a glance

Buttons on the steering wheel

Press the button	Function
	System on/off, interrupt
	Store speed
	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:

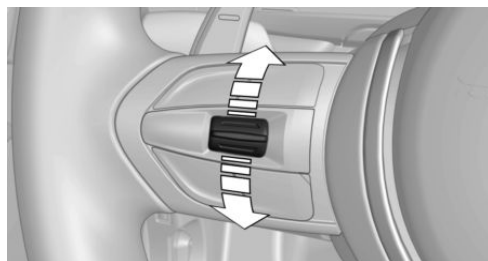
- ▶ The brakes are applied.
- ▶ The clutch pedal is depressed for a few seconds or released while a gear is not engaged.
- ▶ The gear engaged is too high for the current speed.
- ▶ Selector lever position D is disengaged.
- ▶ MDM is activated or DSC is deactivated.
- ▶ DSC is actively controlling stability.

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.

This is displayed, refer to page 120, in the speedometer and briefly in the instrument cluster.

When cruise control is maintained or stored, DSC Dynamic Stability Control is switched on, if necessary.

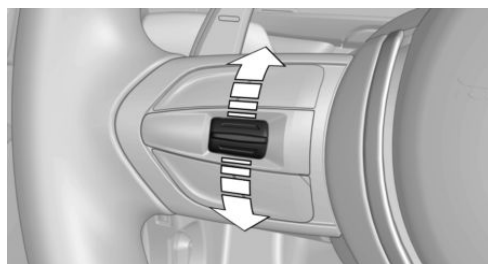
Changing/maintaining speed

The rocker switch can be pressed while the system is interrupted in order to maintain and store the current speed.



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.

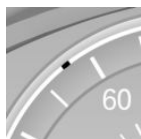
Displays in the instrument cluster

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.

Displays in the Head-up Display

The system information can also be displayed in the Head-up Display.

PDC Park Distance Control

The concept

PDC support when parking. Slowly approaching an object behind or, with the appropriate

PDC equipment, also in front of your vehicle is signaled by:

- ▷ Signal tones.
- ▷ Visual display.

General information

Measurements are made by ultrasound sensors in the bumpers.

The range, depending on the obstacle and environmental conditions, is approx. 6 ft/2 m.

An acoustic warning is first given:

- ▷ By the front sensors and the two rear 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. ◀

At a glance

With front PDC: button in vehicle



PDC Park Distance Control

Switching on/off

Switching on automatically

With the engine running, engage selector lever position R.

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.

With front PDC: switching on/off manually



Press the button.

- ▷ On: the LED lights up.
- ▷ Off: the LED goes out.

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 de-

tected 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.

With front PDC: 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.

Volume

The volume of the PDC signal tone can be adjusted similar to the tone and volume settings of the radio.

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 green, yellow and red.

When the image of the rearview camera is displayed, the switch can be made to PDC:

⚙ "Rear view camera"

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 dirty, iced over, damaged or out of position.
- ▷ Under certain weather conditions, such as high relative humidity, rain, snowfall extreme heat 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 is displayed.

The range of the sensors is shown as a shaded area on the Control Display.

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.

Surround View

The concept

Surround View comprises various camera assistance systems that help the driver when parking, maneuvering, and at complex exits and intersections.

- ▷ Rearview camera, refer to page [122](#)
- ▷ Side View, refer to page [125](#).
- ▷ Top View, refer to page [126](#).

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. ◀

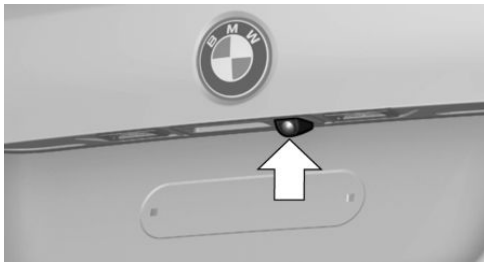
At a glance

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 206.

Switching on/off

Switching on automatically

With the engine running, engage selector lever position R.

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 or Top View switched on:

 "Rear view camera"

The rearview camera image is displayed.

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"

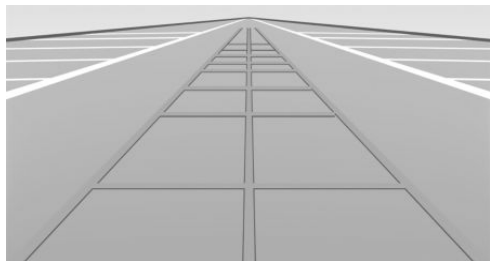
Pathway and turning circle lines are displayed.

- ▷ Obstacle marking

 "Obstacle marking"

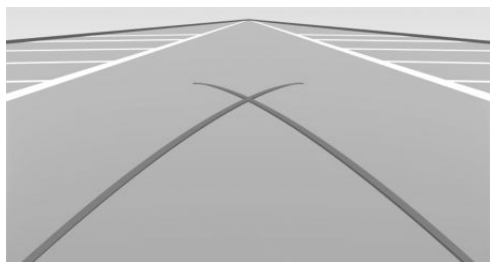
Spatially-shaped markings are displayed.

Pathway lines



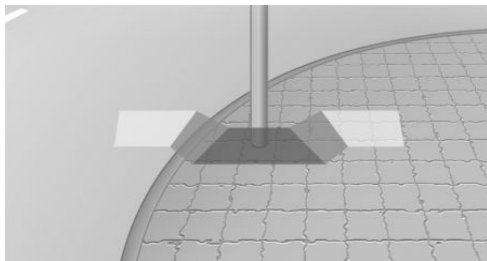
- ▷ In selector lever position R, pathway lines can be superimposed on the image of the rearview camera.
- ▷ They help you to estimate how much space is needed when parking and maneuvering on level pavement.
- ▷ They are dependent on the current steering angle and are continuously adjusted to the steering wheel movements.

Turning circle lines



- ▷ Turning circle lines can only be superimposed on the rearview camera image together with pathway lines.
- ▷ They 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.

Obstacle marking

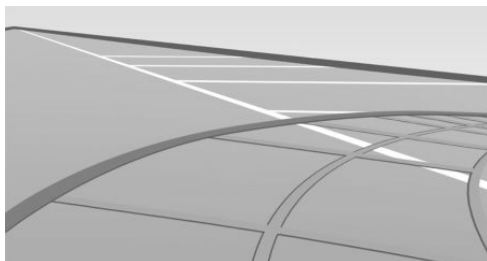


Marks for detected obstacles can be shown in the rearview camera image.

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 120.

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.

Side View

The concept

Side View provides an early look at cross traffic at blind driveways and intersections. Road users concealed by obstacles to the left and right of the vehicle can only be detected relatively late from the driver's seat. To improve visibility, two cameras in the front of the vehicle record the traffic situation on each side.

Notes

The images from both cameras are shown simultaneously on the Control Display.



Check the traffic situation as well

Check the traffic situation around the vehicle on blind driveways and intersections with your own eyes. Otherwise, an accident could result from road users or objects located outside the picture area of the Side View cameras. ◀

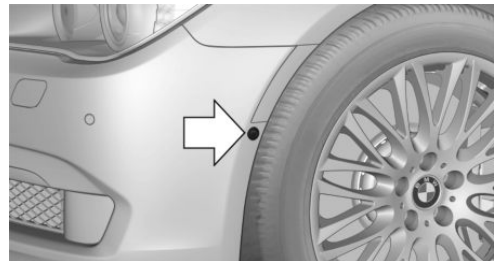
At a glance

Button in the vehicle



Side View

Cameras



Two cameras integrated in the bumpers capture the image.

The two camera lenses are located on the sides of the bumper.

The image quality may be impaired by dirt.

Clean the lens, refer to page 206.

Switching on/off

Switching on/off manually



Press the button.

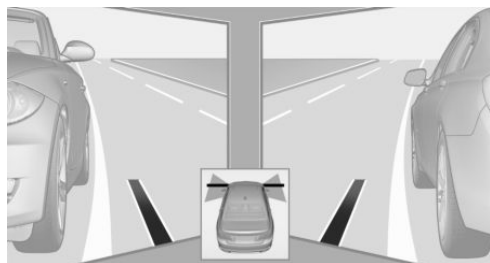
Automatic deactivation during forward travel

The system switches off when a certain driving distance or speed is exceeded.

Switch the system back on if necessary.

Display

The traffic area to the left and right is displayed on the Control Display.



Guidelines at the bottom of the image show the position of the front of the vehicle.

Brightness

With the Side View switched on:

1. ☀ "Brightness"
2. Turn the controller until the desired setting is reached, and press the controller.

Contrast

With the Side View switched on:

1. ● "Contrast"
2. Turn the controller until the desired setting is reached, and press the controller.

System limits

The cameras capture a maximum range of 330 ft/100 m.

Top View

The concept

Top View provides assistance in parking and maneuvering. The area around the doors and the road area around the vehicle are shown on the Control Display for this purpose.

General information

The image is captured by two cameras integrated in the exterior mirrors and by the backup camera.

The range is at least 7 ft/2 m to the side and rear.

In this way, obstacles up to the height of the exterior mirrors are detected early.

Notes



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 cameras. ◀

At a glance

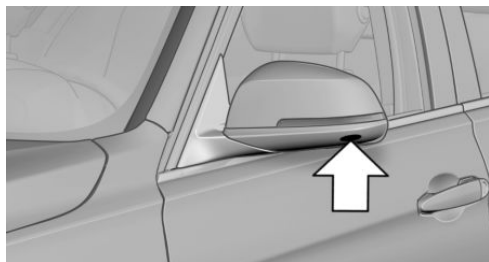
Button in the vehicle





Top View

Cameras



The lenses of the Top View cameras are located at the bottom of the exterior mirror housings. The image quality may be impaired by dirt.

Clean the lens, refer to page 206.

Switching on/off

Switching on automatically

With the engine running, engage selector lever position R.

The Top View and PDC images are displayed if the system is switched on via 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.

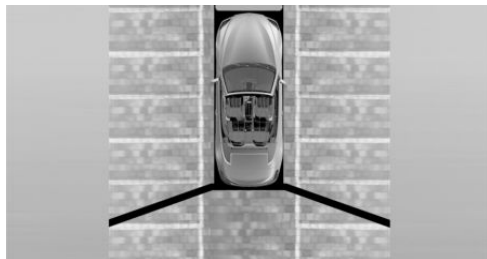
Top View is displayed.

Display

Visual warning

The approach of the vehicle to an object can be shown on the Control Display.

When the distance to an object is small, a red bar is shown in front of the vehicle, as it is in the PDC display.



The display appears as soon as Top View is activated.

When the image of the rearview camera is displayed, it is possible to switch to top view:

⏏ "Rear view camera"

Brightness

With Top View switched on:

1. ☀ Select the symbol.
2. Turn the controller until the desired setting is reached, and press the controller.

Contrast

With Top View switched on:

1. 🌑 Select the symbol.
2. Turn the controller until the desired setting is reached, and press the controller.

Displaying the turning circle and pathway lines

- ▷ The static, red turning circle line shows the space needed to the side of the vehicle when the steering wheel is turned all the way.

- ▶ The variable, green pathway line assists you in assessing the amount of space actually needed to the side of the vehicle.

The lane line depends on the engaged gear and the current steering angle. The track line is continuously adjusted for the steering wheel movement.

"Parking aid lines"

Turning circle and pathway lines are displayed.

System limits

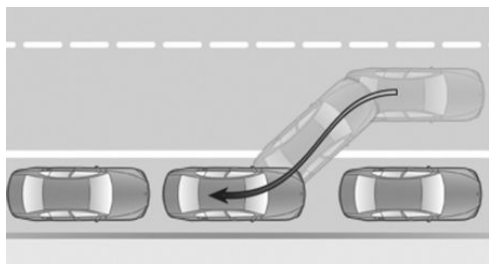
Top View cannot be used in the following situations:

- ▶ With a door open.
- ▶ With the trunk lid open.
- ▶ With an exterior mirror folded in.
- ▶ In poor light.

A Check Control message is displayed in some of these situations.

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 rear-view camera and react accordingly.

A component of the parking assistant is the PDC Park Distance Control, refer to page 120.

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. ◀



Changes to the parking space

Changes to the parking space after it was measured are not taken into account by the system.

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.
- ▷ Min. length of gap between two objects: your 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.

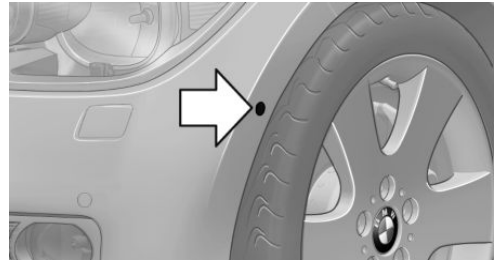
At a glance

Button in the vehicle



 Parking assistant

Ultrasound sensors



The ultrasound sensors for measuring parking spaces are located on the side of the vehicle.

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.
- ▷ Do not paste over sensors.

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.

To activate:  "Parking Assistant"

Switching off

The system can be deactivated as follows:

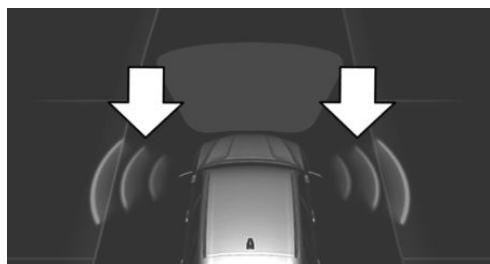
- ▷  Press the button.
- ▷ Switch off the ignition.

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.

System status



- ▷ 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 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 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 the Park Distance Control PDC displays clearances that are too small.
- ▷ If a maximum number of parking attempts or the time taken for parking is exceeded.
- ▷ If a turn signal has been actuated contrary to the desired side for parking.
- ▷ When switching to another function on the Control Display.

A Check Control message is displayed.

Resume

An interrupted parking procedure can be continued if necessary.

Follow the instructions on the Control Display to do this.

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 dirty, iced over, damaged or out of position.
- ▷ Under certain weather conditions, such as high relative humidity, rain, snowfall extreme heat 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.

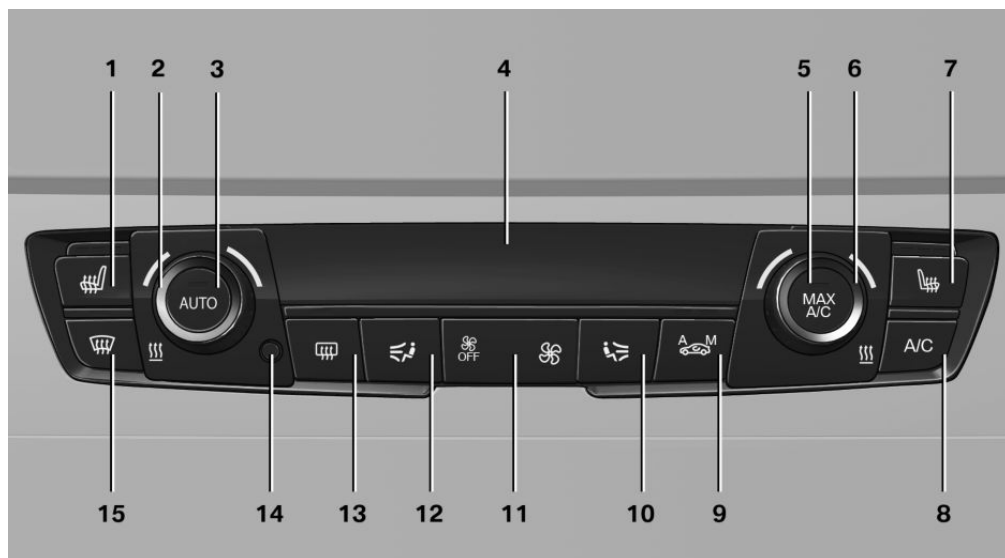
Climate control

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equip-

ment 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.

Automatic climate control



- | | | | | |
|---|--|----|----|---|
| 1 | Seat heating, left | 52 | 10 | Air distribution, right |
| 2 | Temperature, left | | 11 | Air flow, AUTO intensity |
| 3 | AUTO program | | 12 | Air distribution, left |
| 4 | Display | | 13 | Rear window defroster |
| 5 | Maximum cooling | | 14 | Interior temperature sensor — always keep clear |
| 6 | Temperature, right | | 15 | Defrosting windows and removing condensation |
| 7 | Seat heating, right | 52 | | |
| 8 | Cooling function | | | |
| 9 | Automatic recirculated-air control/recirculated-air mode | | | |

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



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 133, 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.

Intensity of the AUTO program

With the AUTO program switched on, automatic control of the air flow and air distribution can be adjusted.



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.

Convertible program

When the hardtop is open, the convertible program is activated as well. In the convertible program, the automatic climate control is optimized for driving with the hardtop open. In addition, the air flow is increased as the vehicle speed increases.

The efficiency of the convertible program can be greatly enhanced by installing the wind deflector.

Maximum cooling



Press the button.

The system is set to the lowest temperature, optimum 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.



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 156, 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.

Recirculated air mode switches off automatically at low external temperatures after a certain amount of time in order to window fogging.

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 flow 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.

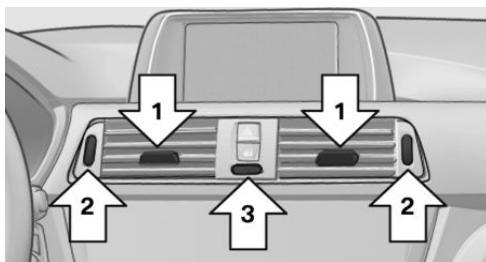
Microfilter/activated-charcoal filter

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 187, of your vehicle.

Ventilation

Front ventilation

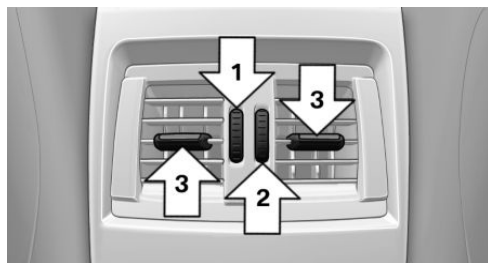


- Lever for changing the air flow direction, arrow 1.
- Thumbwheels for opening and closing the vents continuously, arrows 2.
- Thumbwheel to vary the temperature in the upper body region, arrow 3.
Toward blue: colder.
Toward red: warmer.
The set interior temperature for the driver and passenger are not changed.

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.

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 gener-

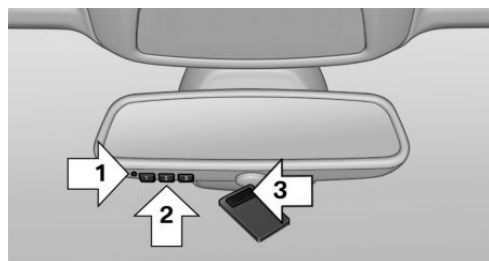
ally compatible with the universal garage door opener.

If you have any questions, please contact:

- ▷ Your service center.
- ▷ www.homelink.com on the Internet.

HomeLink is a registered trademark of Johnson Controls, Inc.

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.

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

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. ◀

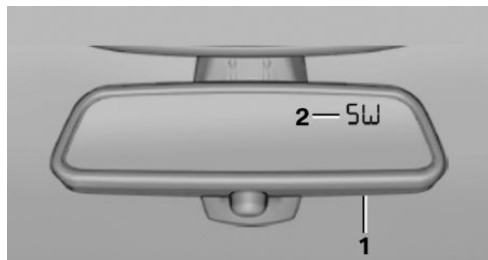
The system, such as the garage door, can be operated using the button on the interior rearview mirror while the engine is running or when the ignition is started. To do this, hold down the button within receiving range of the system until the function is activated. The interior rearview mirror LED stays 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.

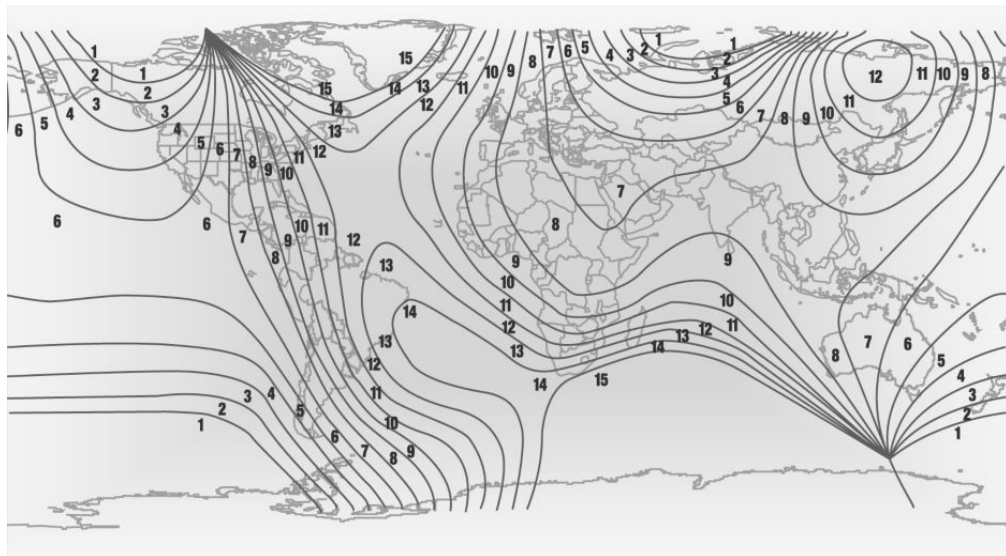
The following setting options are displayed in succession, depending on how long the control button is pressed:

- ▷ 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

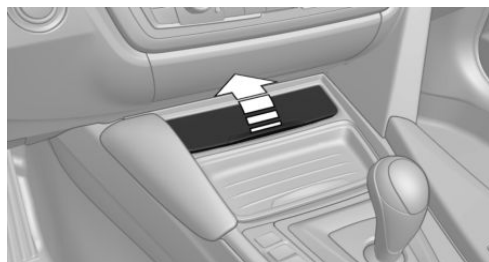
Press and hold the control button for approx. 12 to 13 seconds. Briefly press the control button again to switch between English "E" and German "O".

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 lighter is located next to the ashtray.



Push in the lighter.

The lighter can be removed as soon as it pops back out.

Connecting electrical devices

Hints



Do not connect charging devices to the 12 volt socket in the vehicle

Do not connect battery chargers to the factory-installed 12 volt sockets in the vehicle as this may damage the vehicle battery due to an increased power consumption. ◀



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

General information

The lighter socket can be used as a socket for electrical equipment while the engine is running or when the ignition is switched on.

Note

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



Raise the cap and remove the cover or cigarette lighter.

In the front passenger footwell



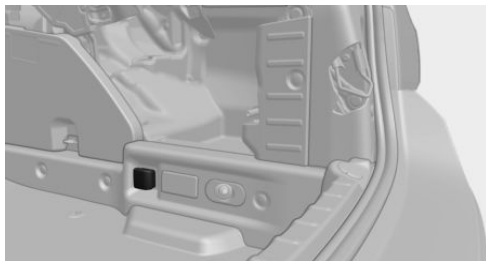
The socket is located below the glove compartment.

Rear center console



Remove the cover.

In the cargo area



The socket is located on the right side in the cargo area.

USB interface for data transfer

The concept

Connection for importing and exporting data on USB devices, e.g.:

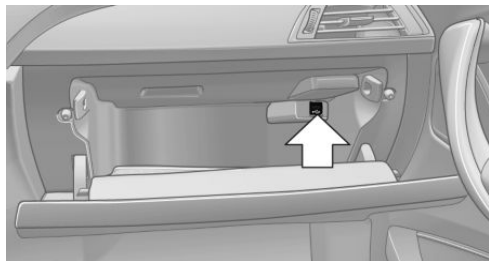
- ▷ Personal Profile settings, refer to page 33.
- ▷ Music collection.
- ▷ Importing Trips.

Notes

Observe the following when connecting:

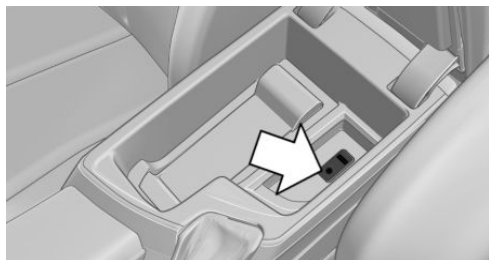
- ▷ Do not use force when plugging the connector into the USB interface.
- ▷ Do not connect devices such as fans or lamps to the USB interface.
- ▷ Do not connect USB hard drives.
- ▷ Do not use the USB interface to recharge external devices.

Without telephone: overview



The USB interface is located in the glove compartment.

With telephone: overview



The USB interface is located in the center armrest.

Loading

The concept

For easier loading, the vehicle is equipped with a cargo area partition and a Loading aid, refer to page 144. With the loading aid, the folded hardtop can be raised out of the cargo area.

Hints



Do not deposit any objects on the cargo area partition

Before opening the hardtop or lowering the loading aid, make sure that there are no objects on or next to the cargo area partition.

Otherwise, hardtop or loading aid can be damaged. ◀

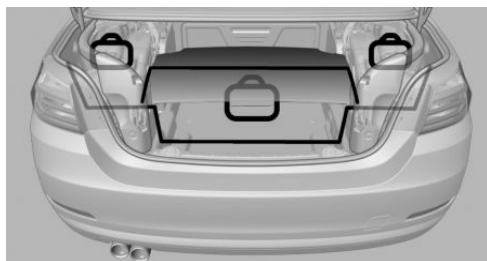
Opening hardtop or lowering loading aid

Before opening the hardtop or lowering the loading aid, push the cargo area partition down until it latches on both sides. Otherwise, the hardtop cannot be opened or the loading aid cannot be lowered.



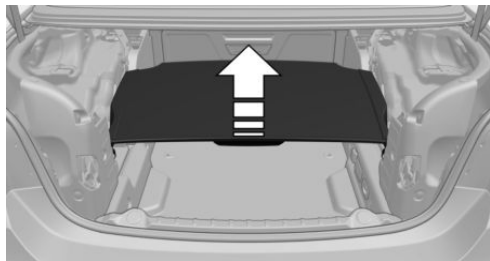
When the hardtop is open, objects can be placed below the cargo area partition. Do not use the areas marked X in the illustration as storage areas.

Closing the hardtop



When the hardtop is closed, objects can be placed in the area below and next to the cargo area partition.

Expanding cargo area volume



With the hardtop closed, the cargo area volume can be expanded. To do this, push the cargo area partition upward.

Loading aid

Hints



Operation of the loading aid

Before operating the loading aid, make sure that the movement space of the loading aid is clear. During the lowering or raising of the loading aid, do not reach into the mechanism. Keep persons away from the area of movement of the loading aid. Otherwise, damages or personal injuries may result. ◀



Raised loading aid

Do not drive with the loading aid raised. Before driving away, make sure that the loading aid is completely lowered and the trunk lid is closed. Otherwise, damage may result. ◀

Functional requirements

- ▷ Vehicle at a standstill.
- ▷ Vehicle is on a level surface.
- ▷ Hardtop fully open.
- ▷ Trunk lid fully open.
- ▷ Cargo area partition latched in the lower position.
- ▷ External temperature not below +14 °F/-10 °C.

Controls

Open trunk lid all the way.



Press left button: loading aid is raised.

Press right button: loading aid is lowered.

The movement stops with the release of the button.

LED in button:

- ▷ Lights up continuously: loading aid in the respective limit position.
- ▷ Flashes fast: loading aid not in the respective end position.
- ▷ Flashes slowly: functional requirements not met.

A Check Control message is displayed.

After switching off the ignition, the raised loading aid can be lowered within approx. 10 minutes. After that, the ignition must be switched on for lowering.

Use the loading aid only for loading and unloading the cargo area.

Always move the loading aid into the limit positions.

Do not park the vehicle with the loading aid raised.

The trunk lid can only be closed when the loading aid is fully lowered.

Through-loading system

The concept

The cargo area can be enlarged by folding down the rear seat backrest or removing the middle section.

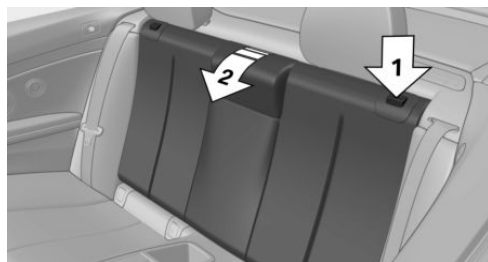
Hints



Danger of pinching

Before folding down the rear seat backrests, ensure that the area of movement of the backrests is clear. Ensure that no one is located in or reaches into the area of movement of the rear seat backrests. Otherwise, injury or damage may result. ◀

Opening



Unlock the rear seat backrest, arrow 1, and fold forward, arrow 2.

Closing

Return the rear seat backrest to the upright seating position and engage it.



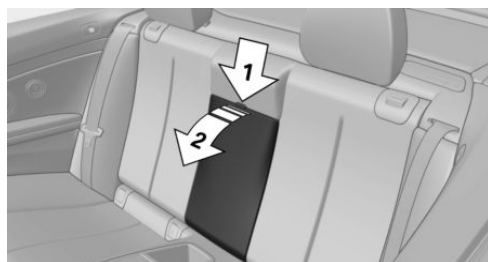
Ensure that the lock is securely engaged

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 159, with nets or draw straps, the cargo area is fitted with lashing eyes.

Middle section

Removing



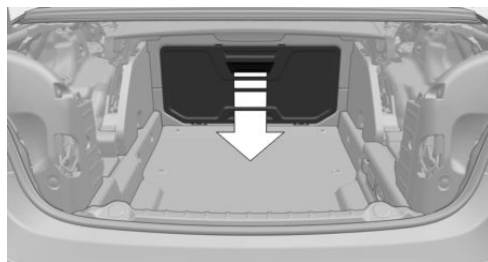
Push down the tab, arrow 1, and remove the center section, arrow 2.

Anti-theft protection

The concept

The anti-theft protection prevents access to the cargo area from the interior.

Opening



Pull on the handle and fold open the anti-theft protection.

Closing

Fold open the anti-theft protection until it engages.

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:

- ▷ Glove compartment on the front passenger side, refer to page 146.
- ▷ Glove compartment on the driver's side, refer to page 147.
- ▷ Without Smoker's package: Front storage compartment, in front of the cupholders, refer to page 147.
- ▷ Storage compartment in the front center armrest, refer to page 147.

- ▷ Compartments in the doors, refer to page 147.
- ▷ Nets on the backrests of the front seats.
- ▷ Storage compartment between the rear seats, refer to page 148

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.

The net in the glove compartment is provided for stowing the storage tray for the cupholder, refer to page 148.

Closing

Fold cover closed.

Locking

The glove compartment can be locked with an integrated key to separately secure the trunk lid, refer to page 38, for example.

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.

Front storage compartment



Raise the lid to open it.

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. ◀

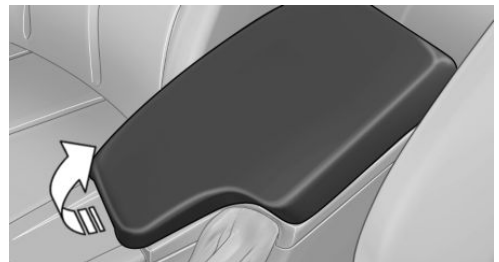
Center armrest

Front

A storage compartment is located in the center armrest between the front seats.

The central locking system locks the center armrest.

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



An external audio device, e.g., an MP3 player, can be connected via the AUX-IN port or the USB audio interface in the center armrest.

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



Storage tray for front cupholders

The cupholder with the storage tray can be used for additional storage. To do this, place the storage tray in the cupholder.

Only use the storage tray for small objects, such as keys or the remote control.

When not in use, stow the storage tray in the glove compartment net. Insert the storage tray into the net so that the top surface faces up. Note the trapezoidal shape of the net and tray.

Storage compartments in the cargo area

Storage compartment

A storage compartment is located on the left side.

Lashing eyes in the cargo area

To secure the cargo, refer to page 159, there are four lashing eyes in the cargo area.

Floor net

The floor net can also be used to Secure the load, refer to page 159, and to store small parts.





Driving tips

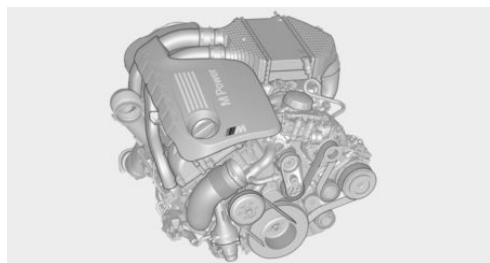
This chapter provides you with information useful in dealing with specific driving and operating modes.

BMW M4 technology

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.

High-performance engine



The high-performance engine gets a maximum power of 317 kW and maximum torque of 550 Nm from a displacement of 3 liters. With its spontaneous response behavior, a speed range of wide utility results. The maximum engine speed is 7,600 rpm and is electronically controlled. Because of the high engine dynamics, the maximum engine speed with the vehicle stationary is progressively deactivated after a short time.

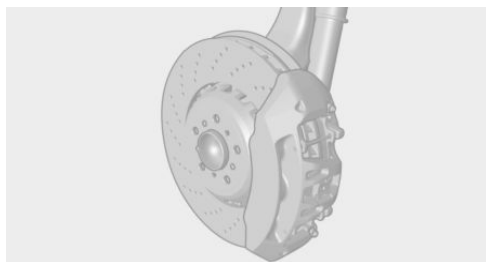
Warm-up

During the engine warm-up phase, the high-performance engine has a somewhat rougher running behavior because of the emission controls.

When the engine is cold, the exhaust system has a slightly metallic undertone due to the nature of the system.

For more information about the warm-up procedure: Engine speed, refer to page 79, and engine oil temperature, refer to page 80.

Compound brake



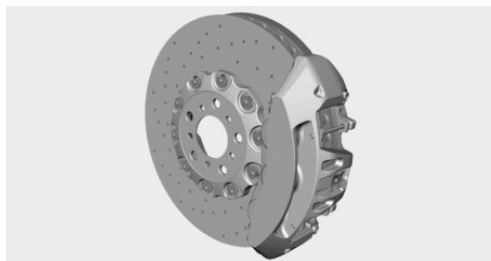
The high-performance braking system has perforated compound brake discs.

Because of particular structural characteristics, there may be operation-related noises during braking. However, this has no effect on performance, operational reliability and reliability of the brake.

Correct braking

To keep the brake system in optimum condition, it is expedient to apply them at regular intervals corresponding to the vehicle character.

M carbon ceramic brake



The high-performance braking system has perforated carbon-ceramic brake disks and is designed for use on racetracks.

Due to properties of the materials used, braking may be associated with louder function noises, particularly in wet conditions, just before the vehicle comes to a stop. However, this has no effect on the performance, operational reliability and durability of the brake.

The effects of moisture and road salt, from using a carwash or dew formation overnight for example, may render the braking effect comparable to that of a conventional braking system. This may be perceived as reduced braking effect and can be compensated for if necessary by pressing the brake pedal harder.

Before washing the vehicle in an automatic carwash or wash tunnel, clean the brake discs and brake calipers with a steam jet or high-pressure washer as well, to prevent encrustations and dirt buildups, caused by salt crystals, for example, if the car is immobile afterwards. The cleaning effect of automatic carwashes or wash tunnels is usually not adequate for this in the area around the wheels.

To do this, also follow the instructions in Washing the vehicle, refer to page 203, and Braking safely, refer to page 155.

Drive train

With this vehicle, particular value was placed on the direct connection from engine to the

drive train. Due to the torsionally rigid design of the drive train, as is typical in a sports car, the transmission of the torque also gives acoustic feedback.

When there are load changes, this may result in clacker noises. They do not cause any impairment of the operation or the service life of the components.

Driving on racetracks

Requirements

Before driving on a racetrack:

- ▷ Participation in BMW Driver Experience Training.
- ▷ Check engine oil fill level and replenish as necessary.
- ▷ Have vehicle checked at a service center.

Hints

Racetrack operation leads to increased wear. The vehicle is not designed for motorsports competitive use. This wear is not covered by the warranty.

The standard brake linings and the wear indicators are not designed for racetrack operation. For more information and advice, contact your service center.

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.

During break-in, do not use the Launch Control, refer to page 73.

Engine and rear axle differential

Always obey the official speed limit.

Up to 1,200 miles/2,000 km

Drive at varying engine and road speeds, but do not exceed 5,500 rpm and 106 mph/170 km/h.

Avoid full load or kickdown on the accelerator pedal under all circumstances.

At 1,200 miles/2,000 km

Have drive-in checkup maintenance performed.

From 1,200 miles/2,000 km to 3,100 miles/5,000 km

The engine and road speed can gradually be increased to a constant speed of 137 mph/220 km/h.

Use the maximum speed of 155 mph/250 km/h only briefly, e.g., when passing.

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

M Compound 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.

M carbon ceramic brakes require an initial break-in period of approx. 600 miles/1,000 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:

- ▶ If the hardtop is closed, close all windows.
- ▶ Greatly increase the blower speed.
- ▶ Drive moderately.

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



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. ◀

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.

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.

The pulsing of the brake pedal indicates that ABS is in its active mode.

In certain braking situations, the perforated brake discs can cause functional problems.

However, this has no effect on the performance and operational reliability of the brake.

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. ◀

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.

Manual transmission:

You can increase the engine's braking effect by shifting down, going all the way to first gear, if necessary.

Double-clutch transmission:

You can increase the engine's braking effect by shifting down in sequential mode, refer to page 71.



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.

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.

Ground clearance



Limited ground clearance

Observe the limited ground clearance of the vehicle, e. g. while entering underground parking garages or when driving over obsta-

cles. Otherwise, damages to the vehicle may result. ◀

To drive down from curbs with the Adaptive M suspension, refer to page 116, select the following program to keep the ground clearance as even as possible: "Sport Plus".

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. ◀



Heavy and hard objects

Do not stow any heavy and hard objects in the passenger compartment without securing them; otherwise, they may present a danger to occupants, e.g., during braking and evasive maneuvers. ◀

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.

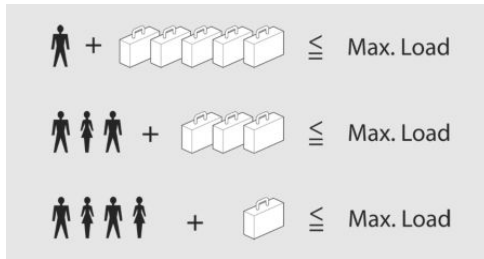
For example, if the YYY amount equals 1,000 lbs and there will be four 150 lbs passengers in your vehicle, the amount of available cargo and luggage load capacity is 400 lbs: 1,000 lbs minus 600 lbs = 400 lbs.

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.

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

Load



The maximum load is the sum of the weight of the occupants and the cargo.

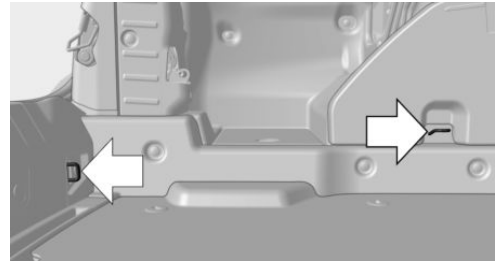
The greater the weight of the occupants, the less cargo that can be transported.

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.
- Use loading aid, refer to page 144, for easier loading.
- Do not stack cargo above the top edge of the backrests.

Securing cargo

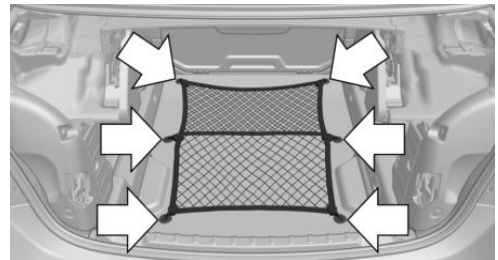
Lashing eyes in the cargo area



To secure the cargo there are 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.



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

Stow and secure the cargo as described above; otherwise it may present a danger to the occupants, e.g., during braking and avoidance maneuvers. ◀

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.

Carrying out certain measures, such as a moderate driving style and regular maintenance, can influence fuel consumption and the environmental impact.

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.

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.

In addition, fuel consumption is also determined by other factors, such as driving style,

road conditions, maintenance or environmental factors.

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.

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 [187](#).





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.

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. ◀

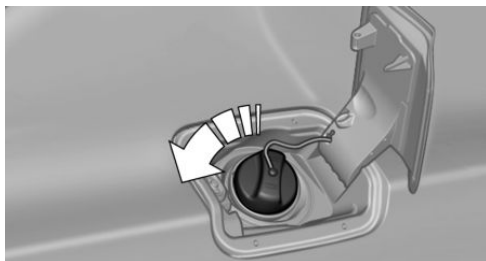
Fuel cap

Opening

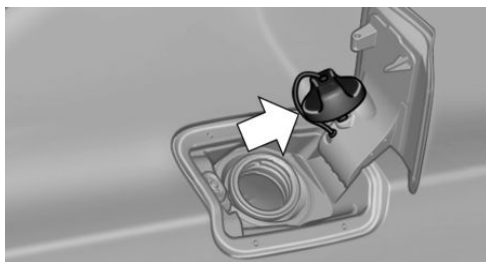
1. Briefly press the rear edge of the fuel filler flap.



2. Turn the fuel cap counterclockwise.



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.

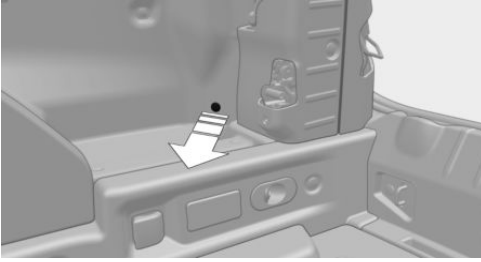


Do not pinch the retaining strap

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.



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. This may cause engine problems, for instance poor engine starting behavior, poor handling and/or performance. Switch gas stations or use a brand name fuel with a higher octane rating.◀

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, as this can cause 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 use a fuel with a higher percentage of ethanol

Do not use a fuel with a higher ethanol percentage than recommended or one with other types of alcohol, i.e. no Flex Fuel, otherwise this could damage the engine and fuel supply system.◀

Recommended fuel grade

BMW recommends AKI 93.

Minimum fuel grade

BMW recommends AKI 91.



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 

Wheels and tires

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.

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.

The displays of inflation devices may under-read by up to 1.45 psi/0.1 bar.

For Tire Pressure Monitor: after correcting the tire inflation pressure, reset the Tire Pressure Monitor.

Pressure specifications

The tire inflation pressure table, refer to page 171, 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 171, and adjust as necessary.



These pressure values can also be found on the tire inflation pressure label on the driver's door pillar.

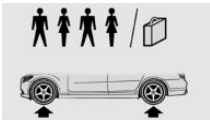


Maximum permissible speed

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

M4 Convertible

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
255/40 R18 99 V M+S XL	2.3/33	2.4/34
255/35 R19 96 V M+S XL	2.5/36	2.7/39
Front: 255/40 R 18 95 (Y)	2.2/31	-
Rear: 275/40 R 18 99 (Y)	-	2.2/31
Front: 255/35 R 19 92 (Y)	2.3/33	-
Rear: 275/35 R 19 100 (Y) XL	-	2.3/33

Tire inflation pressures at max. speeds above 100 mph/160 km/h

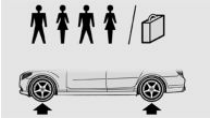


Speeds above 100 mph/160 km/h

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

M4 Convertible

Tire size	Pressure specifications in bar/PSI	
Specifications in bar/PSI with cold tires		
255/40 R18 99 V M+S XL	2.7/39	3.0/43
255/35 R19 96 V M+S XL	3.1/44	3.4/49
Front: 255/40 R 18 95 (Y)	2.4/34	-
Rear: 275/40 R 18 99 (Y)	-	2.5/36
Front: 255/35 R 19 92 (Y)	2.5/36	-
Rear: 275/35 R 19 100 (Y) XL	-	2.7/39

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 0814

xxxx: manufacturer code for the tire brand

xxx: tire size and tire design

0814: tire age

Tires with DOT codes meet the guidelines of the U.S. Department of Transportation.

Tire age

DOT ... 0814: the tire was manufactured in the 8th week of 2014.

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.◀

M+S

Winter and all-season tires with better cold weather performance than summer tires.

Tire tread

Summer tires

Do not drive with a tire tread depth of less than 0.12 in/3 mm.

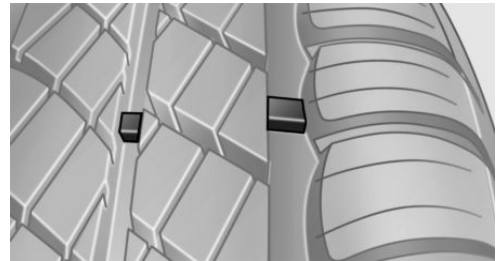
There is an increased danger of hydroplaning if the tread depth is less than 0.12 in/3 mm.

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 cush-

ioning 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.

Following tire damage, have the original wheel and tire combination remounted on the vehicle as soon as possible.



Approved wheels and tires

You should only use wheels and tires that have been approved by the vehicle manufacturer for your vehicle type; otherwise, 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. ◀

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.

Rotating the tires is not permissible on vehicles with different tire sizes on the front and rear axles, i.e. when using different types of tires.

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.

Do not exceed the maximum tire inflation pressure indicated on the side wall of the tire.

Mobility System

The concept

With the Mobility System, minor tire damage can be sealed quickly to enable continued travel. To accomplish this, sealant is pumped into the tires, which seals the damage from the inside.

The compressor can be used to check the tire inflation pressure.

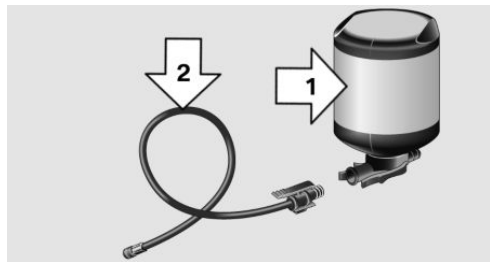
Hints

- ▷ Follow the instructions on using the Mobility System found on the compressor and sealant bottle.
- ▷ Use of the Mobility System may be ineffective if the tire puncture measures approx. 1/8 in/4 mm or more.
- ▷ Contact the nearest service center if the tire cannot be made drivable.
- ▷ If possible, do not remove foreign bodies that have penetrated the tire.
- ▷ Pull the speed limit sticker off the sealant bottle and apply it to the steering wheel.
- ▷ The use of a tire sealant can damage the TPM wheel electronics. In this case, have the electronics checked at the next opportunity and have them replaced if necessary.

Storage

The Mobility System is located under the cargo floor panel.

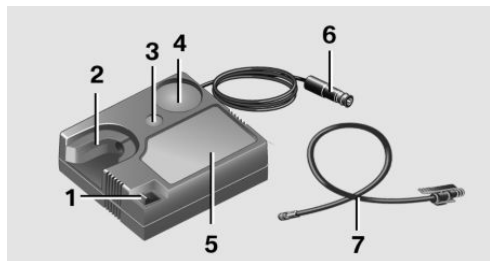
Sealant bottle



- ▷ Sealant bottle, arrow 1.
- ▷ Filling hose, arrow 2.

Note the use-by date on the sealant bottle.

Compressor



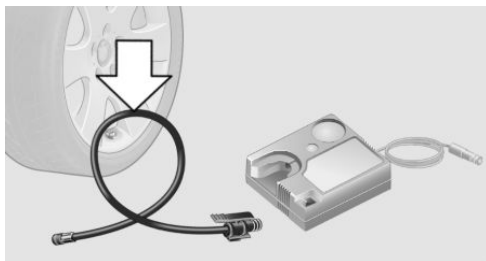
- 1 On/off switch
- 2 Holder for bottle
- 3 Reduce inflation pressure
- 4 Inflation pressure dial
- 5 Compressor
- 6 Connector/cable for socket
- 7 Connection hose — stowed in the bottom of the compressor

Filling the tire with sealant

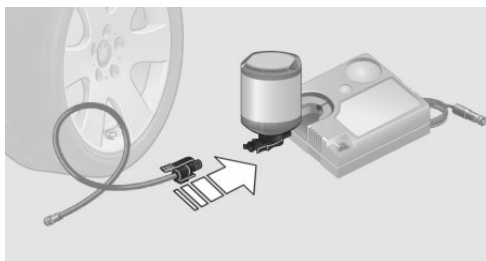
1. Shake the sealant bottle.



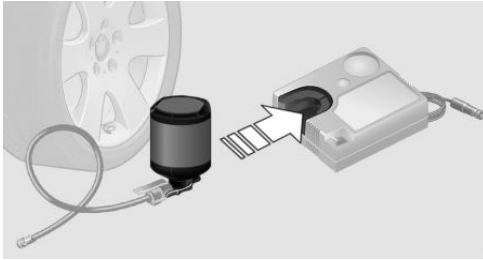
2. Take the connection hose completely out of the compressor housing. Do not kink the hose.



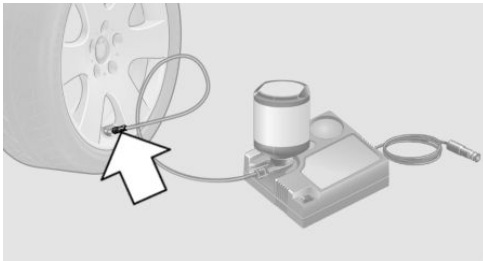
3. Attach the connection hose to the connector of the sealing bottle, ensuring that it engages audibly.



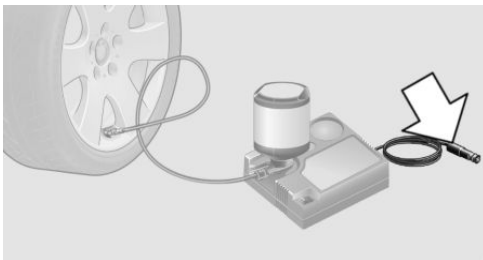
4. Slide the sealing bottle upright into the holder on the compressor housing, ensuring that it engages audibly.



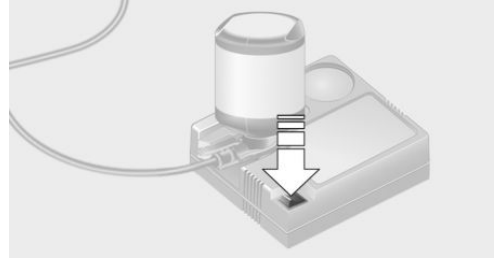
5. Screw the connection hose onto the valve of the defective wheel.



6. With the compressor switched off, insert the plug into a power socket inside the vehicle.



7. With the ignition turned on or the engine running, switch on the compressor.



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. ◀



Switch off the compressor after 10 minutes

Do not allow the compressor to run longer than 10 minutes; otherwise, the device will overheat and may be damaged. ◀

Let the compressor run for approx. 3 to 8 minutes to fill the tire with sealant and achieve a tire inflation pressure of approx. 2.5 bar.

While the tire is being filled with sealant, the inflation pressure may sporadically reach approx. 5 bar. Do not switch off the compressor in this phase.

If a tire pressure of 2 bar is not reached:

1. Switch off the compressor.
2. Unscrew the filling hose from the wheel.
3. Drive forward and back to distribute the sealant in the tire.
4. Inflate the tire again using the compressor.

If an inflation pressure of 2 bar cannot be reached, contact your service center.

Stowing the Mobility System

1. Disconnect the connection hose of the sealant bottle from the wheel.
2. Disconnect the connection hose from the sealant bottle.
3. Wrap the empty sealant bottle and connection hose in suitable material to avoid dirtying the cargo area.
4. Stow the Mobility System back in the vehicle.

Distributing the sealant

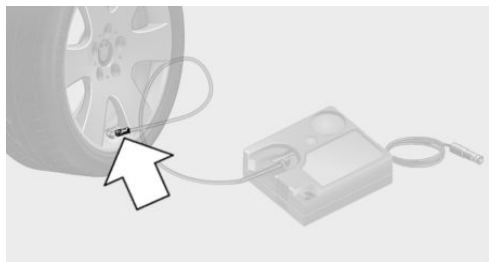
Immediately drive approx. 5 miles/10 km to ensure that the sealant is evenly distributed in the tire.

Do not exceed a speed of 50 mph/80 km/h.

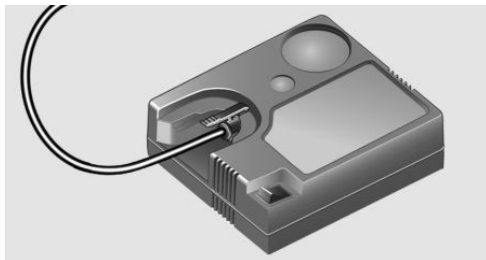
If possible, do not drive at speeds less than 12 mph/20 km/h.

Correcting the tire inflation pressure

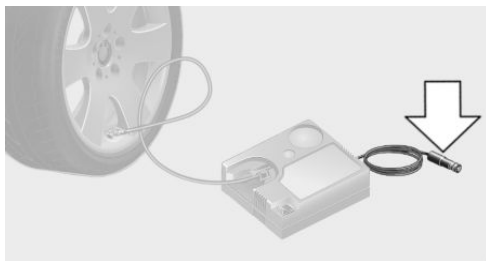
1. Stop at a suitable location.
2. Screw the connection hose onto the tire valve stem.



3. Attach the connection hose directly to the compressor.



4. Insert the connector into a power socket inside the vehicle.



5. Correct the tire inflation pressure to 2.5 bar.
 - ▷ Increase pressure: with the ignition turned on or the engine running, switch on the compressor.
 - ▷ To reduce the pressure: press the button on the compressor.

Continuing the trip

Do not exceed the maximum permissible speed of 50 mph/80 km/h.

Reinitialize the Tire Pressure Monitor.

Replace the defective tire and the sealant bottle of the Mobility System as soon as possible.

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.

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:

- ▷ 255/40 R 18
- ▷ 255/35 R 19

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 Tire Pressure Monitor after mounting snow chains, as doing so may result in incorrect readings.

When driving with snow chains, if necessary briefly activate M Dynamic Mode.

Maximum speed with snow chains

Do not exceed a speed of 30 mph/50 km/h when using snow chains.

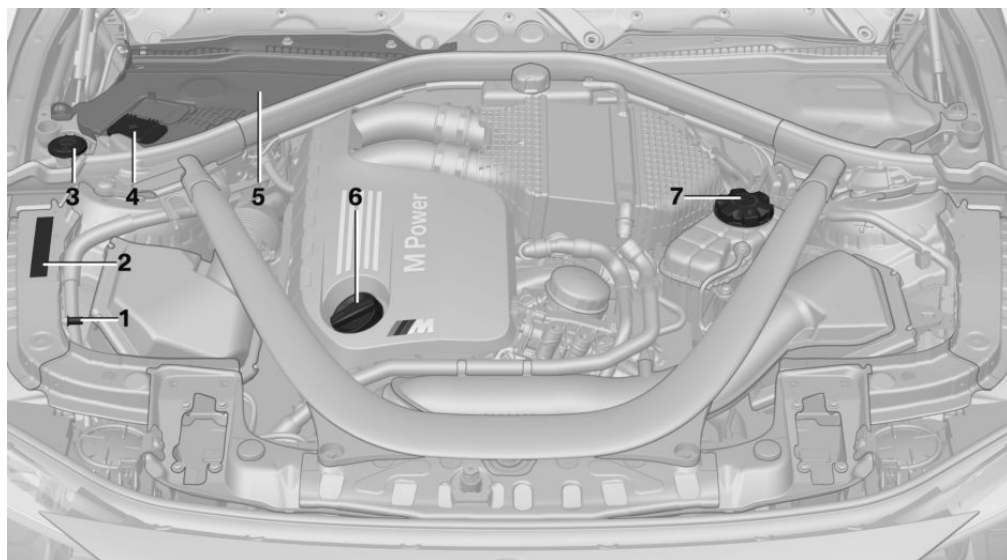
Engine compartment

Vehicle equipment

All standard, country-specific and optional equipment that is offered in the model series is described in this chapter. Therefore, equip-

ment 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.

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

Vehicle with right-hand steering: the fuse box is on the opposite side of the vehicle.

6 Oil filler neck

7 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. ◀



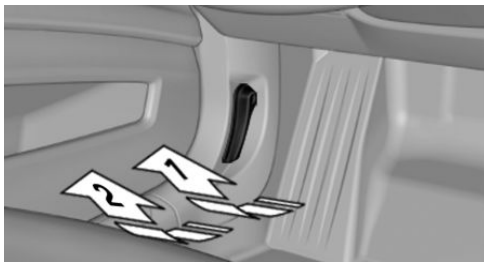
Fold down wiper arm

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.



2. After the lever is released, pull the lever again, arrow 2.

Hood can be opened.

Indicator/warning lamps

When the hood is opened, a Check Control message is displayed.

Closing the hood



Properly closing the hood

If the hood has not audibly engaged and closed, reopen the hood and close it again. Otherwise, pressing down on it could cause damage to the hood. ◀



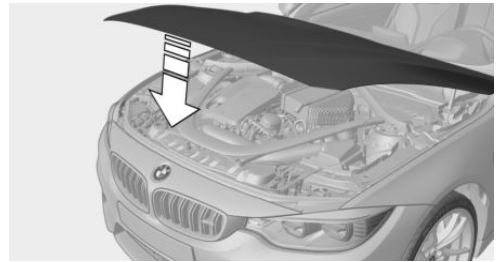
Hood open when driving

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. ◀



Energetically close the hood.

The hood must audibly engage on both sides.

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.

The engine oil consumption can increase in case of, for example:

- ▷ Sporty driving.
- ▷ Breaking in the engine.
- ▷ Idling of the engine.
- ▷ Usage of non-approved oil grades.

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.

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 183.



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.

Requirements

- Vehicle is on level road.
- Manual transmission: shift lever in neutral position, clutch and accelerator pedals not depressed.
- Double clutch transmission: selector lever in selector lever position N 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.

Wipe up spilled motor oil using a lint-free cloth.

Filler neck



Only add 1 US quart/liter of oil when the message is displayed in the instrument cluster.



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 the viscosity grade SAE 0W-30, or malfunctions or engine damage may occur.

As an alternative, you can also use motor oils with a viscosity grade of SAE 5W-30. ◀

The engine oil quality is critical for the life of the engine.

Approved oil types

You can add oils with the following specifications:

Specification

ACEA A3/B4.

API SK/CF or superior grade specification.

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:

Specification

ACEA A3/B3.

API SK or superior grade specification.

BMW recommends 

Low ambient temperatures

From the factory, types of oil are used for the vehicle that can be employed in practically all ambient temperatures.

If the vehicle is used for a longer period at temperatures below $-4^{\circ}\text{F}/-20^{\circ}\text{C}$, ask the service center about suitable oil types.

Engine oil change:

The vehicle manufacturer recommends that you let the service center change the motor oil.

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.

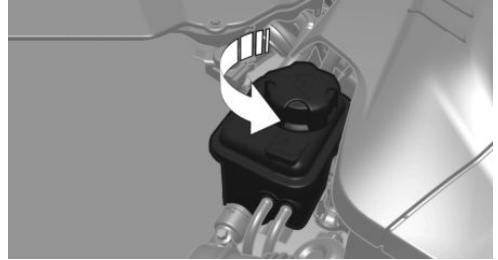
Not all commercially available additives are suitable for the vehicle. Information about the suitable additives are available from the service center.

Coolant level

Checking

1. Let the engine cool.
2. Turn the cap of the coolant reservoir slightly counterclockwise to allow any ex-

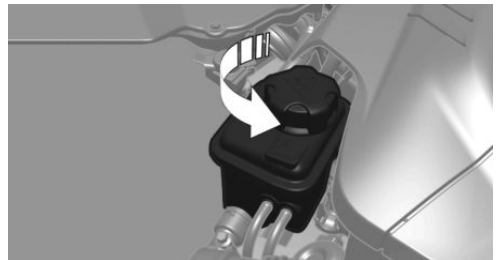
cess pressure to dissipate, and then open it.



3. Open the coolant reservoir cap.
4. The coolant level is correct if it lies between the minimum and maximum marks in the filler neck.

Adding

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.

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 83, 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

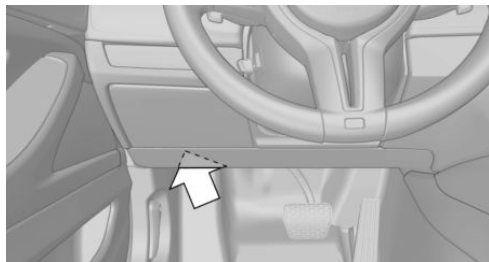


Socket for Onboard Diagnosis

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

correspondingly trained personnel and other authorized persons. Otherwise, use may result in operating problems for the vehicle.◀

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.

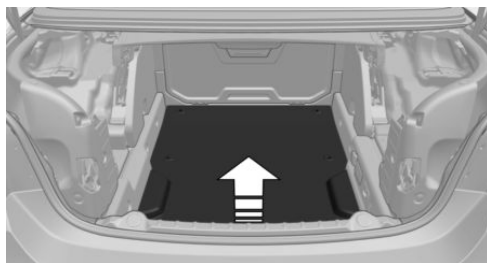
Reduce the vehicle speed and have the system checked immediately; otherwise, serious engine misfiring within a brief period can seriously damage emission control components, in particular the catalytic converter.

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 located under the cargo floor panel.

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 69, 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.

**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)

Some items of equipment use light-emitting diodes installed behind a cover as a light source.

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. ◀

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**Xenon headlamps****Xenon headlamps**

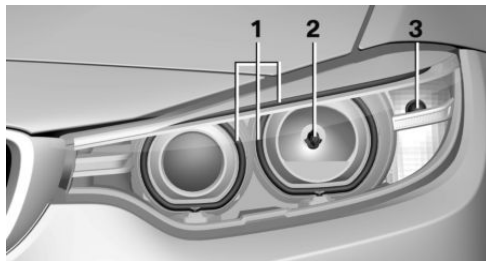
Because of the long life of these bulbs, the likelihood of failure is very low. Switching the lamps on and off frequently shortens their life.

**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.

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

Follow general instructions, refer to page 189.

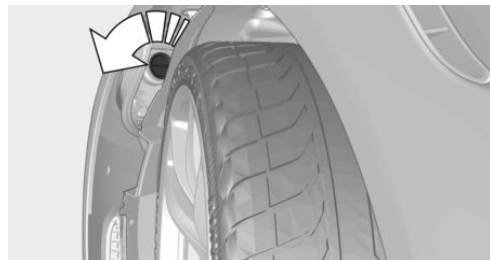
21-watt bulb, PY21W

1. In the wheel house, unscrew both screws using the screwdriver from the onboard vehicle tool kit, arrow 1.



2. Lift the wheel house panel and firmly hold it, arrow 2.

3. Turn the bulb holder counterclockwise and remove.



4. Press the bulb gently into the socket, turn counterclockwise and remove.
5. Install the new bulb and bulb holder in reverse order of removal.
6. Refasten the wheel house panel.

LED headlamps

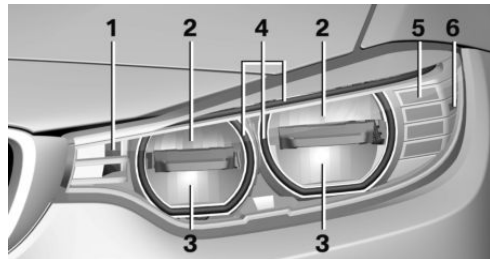
Light-emitting diodes (LEDs)

Follow general instructions, refer to page 189.

With LED headlamps, all front lamps and side indicators are designed with LED technology.

Contact your service center in the event of a malfunction.

Headlamps



- 1 Daytime running lights
- 2 Low beams/headlamp flasher
- 3 High beams/headlamp flasher
- 4 Parking lamps / daytime running lights
- 5 Turn signal
- 6 Side marker lights

Contact your service center in the event of a malfunction.

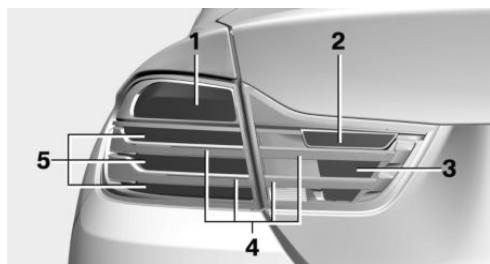
Turn signal in exterior mirror

Follow general instructions, refer to page 189.

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 Reversing lamp
- 3 Inside brake lamp
- 4 Rear lamps
- 5 Outside brake lamp

Bulb replacement, exterior tail lamps

General information

Follow general instructions, refer to page 189.

Turn signal: 21-watt bulb, P21WLL.

Outer brake lamp: 21-watt bulb, H21W.

The tail lamps feature LED technology. Contact your service center in the event of a malfunction.

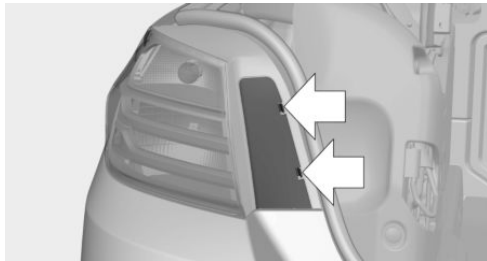


Use caution when replacing the bulb

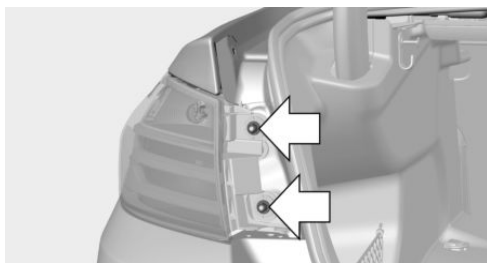
Use caution and proceed one step at a time when replacing the bulbs to prevent damage to the tail lamps or vehicle.◀

Removing the exterior tail lamp

1. Open trunk lid.
2. Use a screwdriver out of the onboard vehicle tool kit to depress the catch fittings, arrows, and take off the cover.

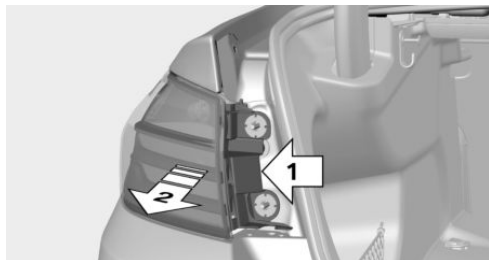


3. Loosen the two nuts with the screwdriver handle, arrows.



4. Grasp the inner edge of the tail lamp, arrow 1, and carefully pull it backward and out, arrow 2. Use your free hand to hold it in place in order to prevent the tail lamp from coming loose suddenly. Make sure

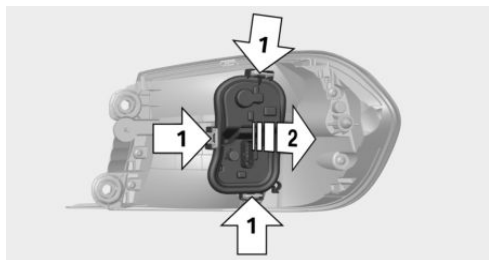
that the foam rubber sealing ring is on the centering pin.



5. Release the catch at the top on the connector of the connecting line and remove the connector from the bulb holder.

Replacing the bulbs

1. Loosen the three fasteners, arrows 1, on the bulb holder and remove the bulb holder from the tail lamp, arrow 2.



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. Make sure that the bulb holder engages in all fasteners.

Installing the tail lamp

1. Connect the connecting line to the tail lamp and secure the bulb holder in the clip.
2. Make sure that the foam rubber sealing ring is on the centering pin, arrow 2, and is not damaged.
3. Position and firmly press the outer part of the tail lamp onto the rubber mount, ar-

row 1 and the inner part onto the centering component, arrow 2. Make sure that the tail lamp engages in the rubber mount.



4. Screw the tail lamp on with the two nuts.
5. Mount the cover.

Lamps in the trunk lid

General information

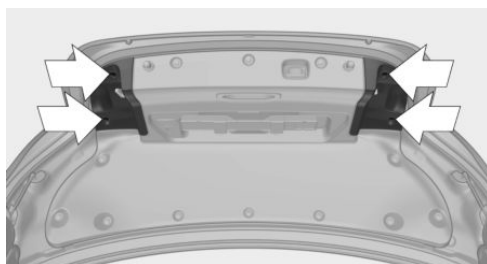
Follow general instructions, refer to page 189.

Reversing lamps: 16-watt bulb, PW16W.

Inner brake lamps: 21-watt bulb, H21W

Accessing the lamps

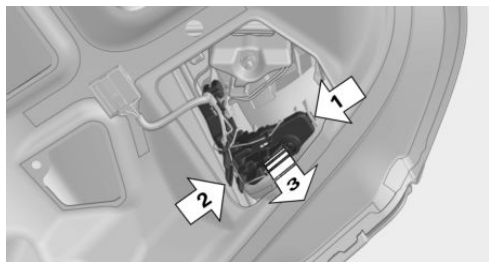
1. Use the screwdriver from the onboard vehicle tool kit to loosen and completely remove the two screws on the cover, arrow.



2. Remove the released cover.

Replacing the reversing lamp and inner brake lamp

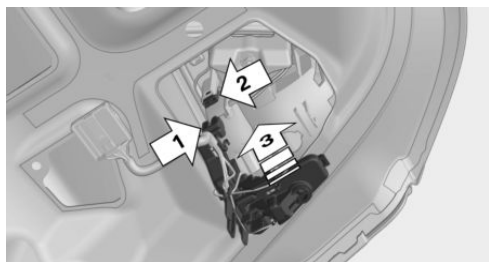
1. Loosen the bottom holder, arrow 1.



2. Loosen the top holder, arrow 2. To do so, press in the middle latch and then press out both outside latches.
Remove the lamp holder, arrow 3.
3. Unscrew the defective bulb of the reversing or brake lamp from its socket counter-clockwise.
4. Insert the new bulb.

Installing the bulb holder

1. Insert the two contacts, arrow 1, into the connections, arrow 2.



2. Press on the bulb holder, arrow 3. Make sure that the two exterior holders latch into place.
3. Reattach the two covers to the trunk lid.

Rear lamp, license plate lamp and central brake lamp

Follow general instructions, refer to page 189.

These lamps are made using LED technology. Contact your service center in the event of a malfunction.

Changing wheels

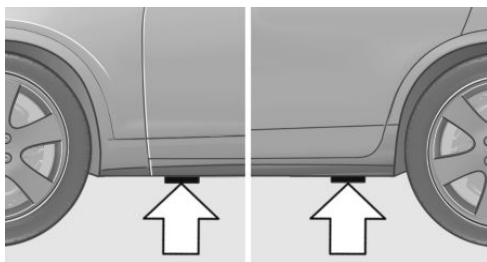
Hints

When tire sealants are used, an immediate wheel change when there is a loss of tire inflation pressure in the event of a flat tire is unnecessary.

Which is why no spare tire is available.

The tools for changing wheels are available as accessories from your service center.

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.

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



Use approved chargers only

Only use chargers that have been approved by the manufacturer of your vehicle, otherwise your vehicle may be damaged. Do not exceed the maximum charge voltage of 14.4 Volt. ◀



Do not connect charging devices to the 12 volt socket in the vehicle

Do not connect battery chargers to the factory-installed 12 volt sockets in the vehicle as this may damage the vehicle battery due to an increased power consumption. ◀

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 199, 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.

Fuses

Hints



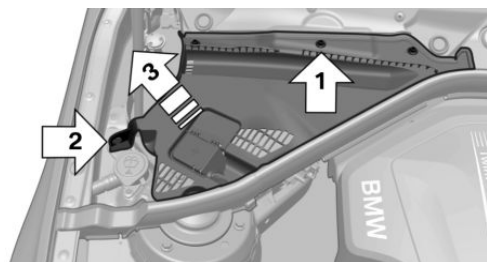
Replacing fuses

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. ◀

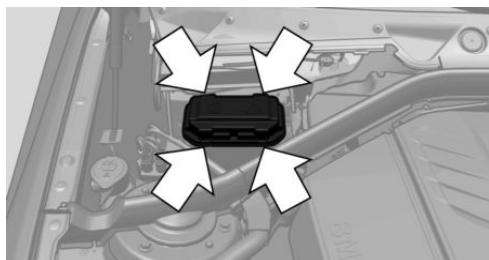
Plastic tweezers and information on the fuse types and locations are stored in the fuse box in the cargo area.

In the engine compartment

1. Use the onboard vehicle tool kit to loosen the three cover screws, arrow 1.

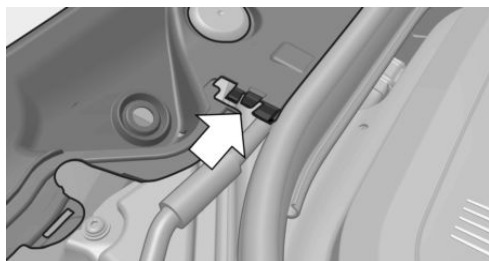


2. Pull up the holder, arrow 2.
3. Remove the cover from one side, arrow 3.
4. Press the four fasteners and remove the cover.



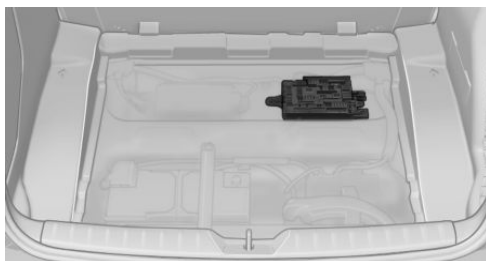
Attaching the covers

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.

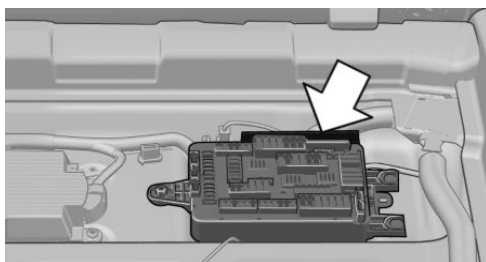


3. Press down on the holder and tighten the three screws.

In the cargo area



Raise the cargo floor panel.



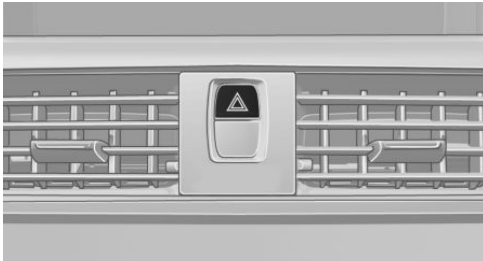
Information on the fuse types and locations is found on a separate sheet.

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

The concept

In case of an emergency, an Emergency Request can be made through this system.

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. ◀

At a glance



SOS button in the headliner

Requirements

- ▷ The SIM card integrated in the vehicle has been activated.
- ▷ The radio ready state is switched on.
- ▷ The Assist system is functional.

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.

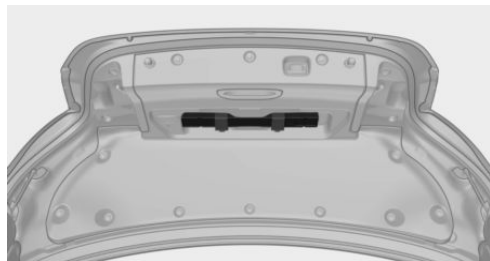
For this, data are transmitted to the BMW Response Center which serve to determine the necessary rescue measures. For example, the current position of the vehicle, if it can be established.

- ▶ 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.

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.

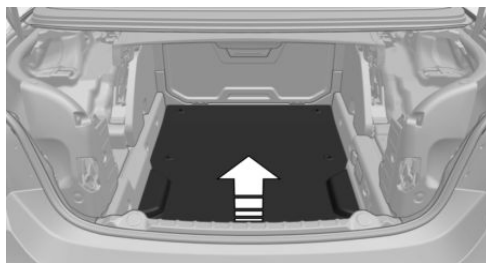
To remove, loosen the bracket.

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 a compartment under the cargo floor panel.

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. ◀

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

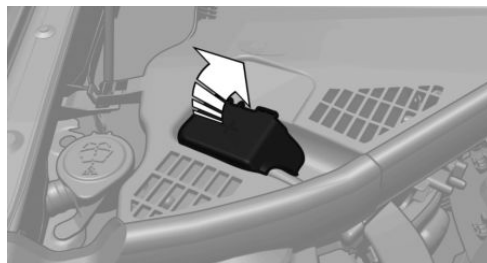
Make sure that there is no contact between the bodywork of the two vehicles; otherwise, there is the danger of short circuits. ◀

Starting aid terminals



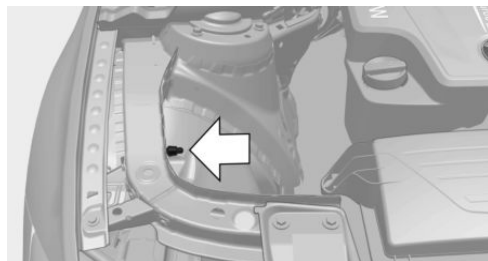
Connecting order

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. ◀

Switching off Intelligent Safety systems, refer to page 104.

Manual transmission

Gearshift lever in neutral position.

Towing

 Follow the towing instructions

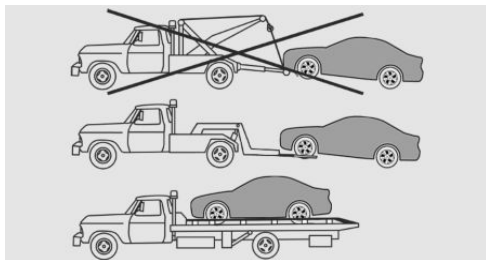
Follow all towing instructions; otherwise, vehicle damage or accidents may occur. ◀

- ▷ 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.

Tow truck

With rear-wheel drive



Your vehicle should be 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. ◀

Double-clutch transmission: transporting your vehicle

Note

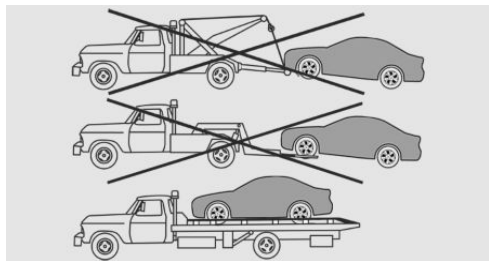
Your vehicle is not permitted to be towed. Therefore, contact a service center in the event of a breakdown.



Do not have the vehicle towed

Have your vehicle transported on a loading platform only; otherwise, damage may occur. ◀

Tow truck



The vehicle should only be transported on a loading platform.



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.

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.



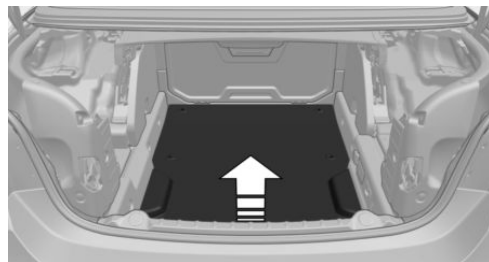
Attaching the tow rope correctly

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.



The tow fitting is located in a compartment under the cargo floor panel.



Tow fitting, information on use

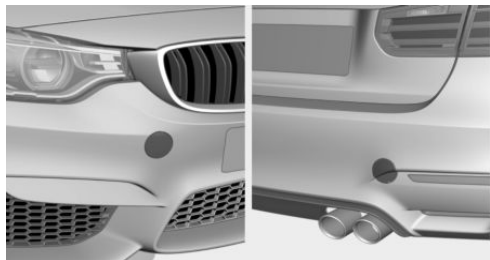
- ▷ Use only the tow fitting provided with the vehicle and screw it all the way in.
- ▷ Use the tow fitting for towing on paved roads only.

- 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. ◀

5. Stop at a suitable location, remove the tow bar or rope, and switch off the hazard warning system.
6. Have the vehicle checked.

Screw thread



Press out the cover at the recess using the screw driver from the onboard vehicle tool kit.

Tow-starting

Double-clutch transmission

Do not tow-start the vehicle.

Tow-starting the engine is not possible due to the double-clutch transmission.

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 198. 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 62, 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.

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

General information

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.

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.

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.

Follow the user's manual for the high-pressure washer. ◀



Cleaning sensors/cameras/hardtop with high-pressure washers

When using high-pressure washers, do not spray the seals of the lowerable hardtop, sensors and cameras external to the vehicle, e.g., Park Distance Control, for extended periods of

time and only from a distance of at least 12 in/30 cm. ◀

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 68, 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 42.



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.

Double-clutch transmission:

1. Drive into the car wash.

- Engage selector lever position N.
- Switch the engine off.

In this way, the ignition remains switched on, and a Check-Control message is displayed.

The vehicle cannot be locked from the outside when in selector lever position N. A signal is sounded when an attempt is made to lock the vehicle.

To start the engine with a manual transmission:

- Press on the clutch pedal.
- Press the Start/Stop button.

To start the engine with a double clutch transmission:

- Depress the brake pedal.
- Press the Start/Stop button.

Pressing the Start/Stop button without stepping on the brake turns the ignition off.

Selector lever position

Selector lever 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.

Lowerable hardtop

When the wet hardtop is opened, water droplets can run into the cargo area. Remove any objects in the cargo area beforehand to prevent water spotting or soiling.

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.

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. ◀

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.

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/monitors

Cleaning displays and screens

Do not use any chemical or household cleaning agents; otherwise, surfaces can be affected. ◀



Keeping out moisture

Keep all fluids and moisture away from the unit; otherwise, electrical components can be damaged. ◀



Avoid pressure

Avoid pressing too hard when cleaning and do not use abrasive materials; otherwise, damage can result. ◀

Clean with a clean, antistatic microfiber cloth.

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.



Reference

This chapter contains the technical data and an index that will quickly take you to the information you need.

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.

Note

The technical data and specifications in the Owner's Manual are used as the starting points. Detailed values can be found in the approval documents, on information signs on the vehicle or can be requested from the service center.

Dimensions

BMW M4 Convertible		
Width with mirrors	inches/mm	79.3/2,014
Width without mirrors	inches/mm	73.6/1,870
Height	inches/mm	54.6/1,386
Length	inches/mm	184.5/4,687
Wheelbase	inches/mm	110.7/2,812
Smallest turning circle diam.	ft/m	40/12.2

Weights

The values preceding the slash apply to vehicles with manual transmission; the values fol-

lowing the slash apply to vehicles with double clutch transmission.

BMW M4 Convertible		
Approved gross vehicle weight	lbs	4,800/4,840
	kg	2,177/2,195
Load	lbs	680
	kg	308
Approved front axle load	lbs/kg	2,315/1,050

BMW M4 Convertible

Approved rear axle load	lbs/kg	2,755/1,250
Cargo area capacity	cu ft	7.8–13.1
	L	220–370

Capacities

	US gal/liters	Notes
Fuel tank	15.8/60	Fuel quality, refer to page 168

Everything from A to Z

Index

A

ABS, Antilock Brake System **114**
Acceleration Assistant, refer to Launch Control **73**
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